

# GENERAL CATALOGUE 2 0 2 5

Manufacturers of  
lubrication and  
fluid management  
equipment

30°  
1994-2024



EXPERIENCE, QUALITY,  
COMPETENCE  
SINCE 1994

# Ompi, for over thirty years as a reliable fluid-handling brand.

**Fluid handling is a factor of primary importance** which requires specific expertise and purpose-designed professional instruments.

**For many years now, Ompi has specialized in making equipment for the extraction, distribution, mixing and metering of lubricating and non-lubricating fluids;** from oil to grease, from diesel fuel to water, right up to compressed air.

Grouped according to the type of fluid to be handled and the expected use, **Ompi offers a broad range of solutions** with manual, pneumatic or electronic operation suitable for use in heavy industry, manufacturing, agriculture and D.I.Y.

**The top quality of all our products is guaranteed thanks to each single component being manufactured 100% in-house,** with painstaking attention to detail and using only the very best materials available on the market.

**The result of this choice is highly efficient and accurate products providing regular and reliable operation over the years.** With our Oil Counter Approved products, precision is also officially certified (MID MI-005 certification): Ompi has designed and produced the first electronic flow meter for the officially approved dispensing and metering of industrial lubricating oils, in compliance with major international metrological standards.

**To adapt to new technologies, in recent years new systems for the management, monitoring and delivery of fluids** have been designed and developed in step with the continuous evolutions of the sector.

## OMPI incorporates its production and commercial headquarters with the well-established hydraulic division OFC-VILLA.

The plants, occupying a surface area of **3000m<sup>2</sup>**, have been prepared to meet the new needs arising from the increased production levels, and efficiency has been improved in the various company departments. The focus has been on complying with the most recent **energy efficiency and environmental protection regulations**, while maintaining safety in every sector as a priority.





# OMPI SRL. A real, proven quality.

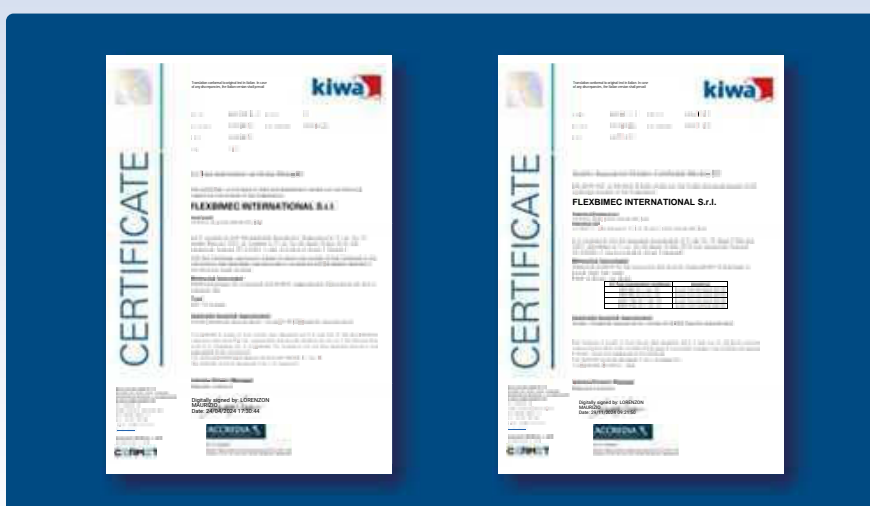
The quality of Ompi products, further testified by the **ISO certification awarded by the DNV institute**, is the result of a journey made through ongoing product research, the addition of constant technological innovation, the gradual extension of the production range and regular technical and aesthetic upgrading.



## MID MI-005 approved.

The **MID MI-005** standard governs continuous and dynamic measuring systems for liquids other than water, in particular lubricating oils. The OMPI range includes flow meter and management and dispensing kits that **conform to metrological standards and to the accuracy levels established by the Directive**, and therefore can be sold to the public.

The devices for detecting and eliminating air in the circuit are integrated with the pneumatic or electrical supply systems, **complying with the relevant technical and metrological requirements**.





1998



2002



2003



2005



2007



2010



2013



2016



2018



2021

30°  
1994-2024  




## MID MEASUREMENT SYSTEMS

Pag. 11

MID OIL SYSTEMS .....	PAG. 14-16
AIR ELIMINATION AND PUMP BLOCK DEVICES .....	PAG. 19
MID CERTIFIED DIGITAL FLOW METERS FOR LUBRICANT FLUIDS .....	PAG. 20
MULTI-DROP .....	PAG. 21
MID UREA SYSTEMS .....	PAG. 22
MID CERTIFIED DIGITAL FLOW METER FOR UREA/ADBLUE®/AUS32 .....	PAG. 23
ELECTRIC AND PNEUMATIC KIT FOR UREA/ADBLUE®/AUS32 .....	PAG. 24
REFUELING SYSTEM FOR UREA/ADBLUE®/AUS32 .....	PAG. 25

## OIL

Pag. 26

PNEUMATIC PISTON OIL PUMPS .....	PAG. 26-33
PNEUMATIC OIL DISPENSING KITS .....	PAG. 34
PNEUMATIC PISTON OIL PUMPS POWER BULL SERIES .....	PAG. 35-37
POWER BULL SERIES .....	PAG. 37
ACCESSORIES FOR PNEUMATIC OIL PUMPS "POWER BULL" SERIES .....	PAG. 38
ACCESSORIES FOR PNEUMATIC OIL PUMPS STANDARD SERIES .....	PAG. 39
PNEUMATIC AND ELECTRIC GEAR PUMPS .....	PAG. 40-41
ELECTRIC OIL DISPENSING KITS .....	PAG. 42
ELECTRIC OIL PUMPS .....	PAG. 43
PNEUMATIC DIAPHRAGM PUMPS .....	PAG. 44
MANUAL PUMPS FOR OIL, DIESEL AND ANTIFREEZE .....	PAG. 45
MANUAL OIL DISPENSING UNITS .....	PAG. 46
PNEUMATIC OIL DISPENSING UNITS .....	PAG. 47
OIL CONTROL GUNS .....	PAG. 48-49
ELECTRONIC OIL FLOW METERS NEW SERIES 2TT AND 4TT-PS .....	PAG. 50
ELECTRONIC OIL FLOW METERS SERIES 2TT NEPTUNE .....	PAG. 51
ELECTRONIC OIL FLOW METERS SERIES 4TT MARS - JUPITER .....	PAG. 52
ELECTRONIC OIL FLOW METERS WITH PRESET FUNCTION SERIES 4TTPS MERCURY - URANUS .....	PAG. 53
ELECTRONIC OIL FLOW METERS .....	PAG. 54-55
MECHANICAL AND DIGITAL OIL FLOW METERS .....	PAG. 56
ACCESSORIES FOR OIL CONTROL GUNS .....	PAG. 57-58
PULSE TRANSMITTERS .....	PAG. 59-60
WALL MOUNTED OIL DISPENSING UNITS .....	PAG. 61
SUCTION AND PRESSURE SYRINGES / FUNNELS .....	PAG. 62
MEASURING JUGS .....	PAG. 63
PNEUMATIC OIL DISPENSING KITS .....	PAG. 64-66
MOBILE OIL DISPENSING KITS .....	PAG. 67-71
STATIONARY PNEUMATIC DISPENSING KITS .....	PAG. 72-75
SPILL CONTAINMENT PALLETS .....	PAG. 76-79
SPILL CONTAINMENT PALLETS / GRAVITY TAPS .....	PAG. 80

## SERVICE STANDS

Pag. 81-83

## ELECTRONIC FLUID MONITORING SYSTEMS

Pag. 84

WIRELESS FLUID MANAGEMENT SYSTEM RF ACCESS 128AP .....	PAG. 84-89
GP SYSTEM 20 .....	PAG. 90
QB8 SYSTEM .....	PAG. 91
COMPONENTS RF ACCESS 128AP .....	PAG. 92-95
ELECTRONIC FLUID MONITORING SYSTEMS CONTROLLER 5.0 .....	PAG. 96
LEVEL GAUGES .....	PAG. 97

## WASTE OIL

Pag. 98

SUCTION PUMPS .....	PAG. 98
MOBILE WASTE OIL DRAINERS .....	PAG. 98-104
MOBILE WASTE OIL SUCTION SYSTEMS .....	PAG. 105
WASTE OIL/ANTIFREEZE DRAINERS .....	PAG. 106-107
WASTE OIL TREATMENT ACCESSORIES .....	PAG. 108
WASTE OIL STORAGE TANKS AND PNEUMATIC BRAKE BLEEDERS .....	PAG. 109
BRAKE BLEEDING ADAPTERS .....	PAG. 109

## GREASE

Pag. 110

PNEUMATIC PISTON GREASE PUMPS .....	PAG. 110-115
PNEUMATIC PISTON GREASE PUMPS INDUSTRIAL POWER BULL SERIES .....	PAG. 116-118
PNEUMATIC PISTON GREASE PUMPS MOTOMATIC SERIES .....	PAG. 119
ELECTRIC GREASE PUMPS .....	PAG. 120-126
MOBILE ELECTRIC GREASING KITS .....	PAG. 127
KIT AND ACCESSORIES FOR ELECTRIC PISTON GREASE PUMPS .....	PAG. 128
MOBILE PNEUMATIC DISPENSING UNITS FOR GREASE .....	PAG. 129-132
PNEUMATIC GREASE SUPPLY KITS .....	PAG. 133
SPRAYER SYSTEM FOR GREASE .....	PAG. 133
FORCED LIFTING GREASE SUPPLY SYSTEM .....	PAG. 134-135
ELECTRONIC SYSTEMS FOR GREASE MONITORING CONTROLLER 5.0 .....	PAG. 136
MANUAL GREASE SUPPLY KITS .....	PAG. 137-140
MANUAL AND PNEUMATIC CARTRIDGE GREASE GUNS .....	PAG. 141
MANUAL AND ELECTRIC CARTRIDGE GREASE GUNS .....	PAG. 142
GREASE DISPENSING GUNS .....	PAG. 143
ACCESSORIES FOR GREASE LUBRICATION .....	PAG. 144
NEW LINE OF ELECTRONIC FLOW METERS FOR GREASE SERIES 2TT - 4TT .....	PAG. 146-147
ACCESSORIES FOR GREASE PUMPS AND KITS .....	PAG. 148
ACCESSORIES FOR INDUSTRIAL PUMPS POWER BULL SERIES .....	PAG. 149

<b>DIESEL</b>	<b>Pag. 150</b>
<p>PNEUMATIC DIESEL PUMPS AND DIESEL TRANSFER KITS ..... PAG. 151</p> <p>OMPI FUEL - VEHICLE LICENSE PLATE RECOGNITION TOWER FOR DIESEL ..... PAG. 152</p> <p>ELECTRIC DIESEL PUMPS 12/24 VDC ..... PAG. 153</p> <p>ELECTRIC DIESEL PUMPS 230/400 VAC ..... PAG. 154</p> <p>ELECTRIC DIESEL TRANSFER KITS ..... PAG. 155</p> <p>DIESEL DISPENSING NOZZLES AND ACCESSORIES ..... PAG. 156</p> <p>DIESEL FILTERS AND FOOT VALVES ..... PAG. 157</p> <p>MECHANICAL, DIGITAL AND TURBINE FLOW METERS FOR DIESEL ..... PAG. 158</p>	
<b>PETROL</b>	<b>Pag. 159</b>
<p>PNEUMATIC AND ELECTRIC PETROL PUMPS ..... PAG. 159</p> <p>JERRYCANS ..... PAG. 160</p>	
<b>SYSTEMS FOR AdBlue®</b>	<b>Pag. 161</b>
<p>OMPI UREA - VEHICLE LICENSE PLATE RECOGNITION TOWER FOR ADBLUE®/DEF/AUS32 ..... PAG. 161</p> <p>ELECTRIC TRANSFER PUMPS FOR ADBLUE®/DEF/AUS32 ..... PAG. 162</p> <p>PNEUMATIC AND ELECTRIC KITS FOR ADBLUE®/DEF/AUS32 ..... PAG. 163-165</p> <p>FLOW METERS FOR ADBLUE®/DEF/AUS32 SERIES 2TT ..... PAG. 166</p> <p>DIGITAL FLOW METERS FOR ADBLUE®/DEF/AUS32 SERIES 4TT MARS - JUPITER ..... PAG. 167</p> <p>ELECTRONIC TURBINE FLOW METER, DISPENSING NOZZLES AND ACCESSORIES FOR ADBLUE®/DEF/AUS32 ..... PAG. 168</p>	
<b>HOSE REELS</b>	<b>Pag. 169</b>
<p>AUTOMATIC REWIND, SPRING - DRIVEN HOSE REELS ..... PAG. 176-187</p> <p>PAINTED STEEL MANUAL HOSE REELS ..... PAG. 188</p> <p>STAINLESS STEEL MANUAL HOSE REELS ..... PAG. 189</p> <p>PAINTED STEEL AUTOMATIC REWIND SPRING-DRIVEN HOSE REELS ..... PAG. 190</p> <p>HOSE REELS FOR COMPRESSED AIR EASY ROLLER SERIES ..... PAG. 191</p> <p>HOSE REELS FOR TWIN HOSE ..... PAG. 192</p> <p>SMART SOLUTIONS FOR INDUSTRY 4.0 - HOSE REELS UNIVERS SERIES ..... PAG. 193</p> <p>AUTOMATIC REWIND SPRING-DRIVEN HOSE REELS "ADROMEDA" SERIES ..... PAG. 196-203</p> <p>MANUAL HOSE REELS "ORION" SERIES ..... PAG. 204-209</p> <p>ELECTRIC MOTOR OPERATED HOSE REELS "SIRIO" SERIES ..... PAG. 210-213</p> <p>ELECTRO-HYDRAULIC MOTOR DRIVEN HOSE REELS "GEMINI" SERIES ..... PAG. 214-215</p> <p>AUTOMATIC SPRING DRIVEN HOSE REELS "TITANO" SERIES ..... PAG. 216-219</p> <p>SPECIAL HOSE REELS "THIN REEL" SERIES ..... PAG. 220-221</p> <p>VACUUM / SUCTION HOSE REELS ..... PAG. 222</p> <p>SWIVEL JOINTS FOR HOSE REELS ..... PAG. 223</p> <p>SWIVEL JOINTS FOR HOSE REELS ..... PAG. 224</p> <p>CURVE AND ADAPTERS FOR HOSE REEL ..... PAG. 225</p> <p>TECHNICAL NOTES FOR CHOOSING THE HOSE REEL ..... PAG. 226</p> <p>HOSE REEL ACCESSORIES ..... PAG. 227</p> <p>FITTINGS AND COUPLERS ..... PAG. 228</p>	
<b>HOSES</b>	<b>Pag. 229-231</b>
<b>WASHING</b>	<b>Pag. 232</b>
<p>PRESSURE SPRAYERS IN PAINTED STEEL ..... PAG. 232</p> <p>PRESSURE SPRAYERS IN STAINLESS STEEL ..... PAG. 233</p> <p>PRESSURE SPRAYERS/FOAMERS IN STAINLESS STEEL ..... PAG. 234-235</p> <p>WASHING AND SPRAYING ACCESSORIES ..... PAG. 236-237</p> <p>MOBILE PARTS CLEANERS ..... PAG. 238</p> <p>PARTS CLEANER ..... PAG. 239</p>	
<b>STAINLESS STEEL</b>	<b>Pag. 240</b>
<p>PNEUMATIC STAINLESS STEEL PUMPS ..... PAG. 240</p> <p>PNEUMATIC STAINLESS STEEL PUMPS INDUSTRIAL SERIES ..... PAG. 241</p> <p>ACCESSORIES FOR PNEUMATIC STAINLESS STEEL PUMPS ..... PAG. 242</p> <p>MANUAL STAINLESS STEEL PUMPS ..... PAG. 243</p>	
<b>COMPRESSED AIR</b>	<b>Pag. 244</b>
<p>TYRE INFLATORS ..... PAG. 244</p> <p>COMPRESSED AIR ACCESSORIES ..... PAG. 245</p> <p>COMPRESSED AIR TREATMENT COMPONENTS ..... PAG. 246</p> <p>SCREW COMPRESSORS ..... PAG. 247-248</p> <p>ACCESSORIES FOR COMPRESSED AIR ..... PAG. 249</p>	
<b>FLUID MIXING</b>	<b>Pag. 250</b>
<p>FLUID MIXING EQUIPMENT DOSAMIX 5000 ..... PAG. 250-251</p> <p>FLUID MIXING EQUIPMENT DOSAMIX ADVANCED 6000 ..... PAG. 252</p>	
<b>END-OF-LIFE VEHICLE DRAINAGE</b>	<b>Pag. 253</b>
<p>END - OF - LIFE VEHICLE DRAINAGE EQUIPMENT ..... PAG. 253-262</p>	
<b>TROLLEYS</b>	<b>Pag. 263</b>



ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE
011 KIT SONDE	108	14225	58	2001.0166	128	30003	119	31266	32	35236	64
065420	148	14230	58	2001.0218	93	30004	119	31267	29	35300	177
065420-33	148	14234	57	2001.0219	95	30005	119	31268	30	35300B	177
065420-50	39	14238	57	2001.0220	95	30006	119	31270KIT	66	35400	177
065420-55	39	14240	58	2001.0221	95	30007	119	31280	44	35600	177
10400	247	14250	242	2001.0229	93	30008	119	31280	44	35810	191
10450	247	14251	242	200XX	229	3105.0004	243	31285	44	35812	191
10500	247	14252	58	210XX	230	3105.0028	58	31285	44	35815	191
10500-E	247	14253	58	211XX	231	310XX	229	31290	44	35820	191
10520	249	14253-A	58	21255EVO	241	31190	241	31295	44	35856	64
10525	249	14253-NPT	58	22044	240	31191	241	31295	44	36100	187
10532	249	14254	57	22044-V	240	31193	241	31310	97	36150	186
10540	249	14255	57	22045-TF	240	31195	241	31320KIT	97	36200	187
10600	247	14256	57	22050	240	31221	40	31365	67	36200B	182
10620	249	14258	242	22050-TF	240	31221OT	40	31370	68	36212	185
10625	249	14260	242	22050-V	240	31221TEFLON	40	31480	68	36213	185
10632	249	14261	57	22060	240	31231	29	31481	68	36215	182
10640	249	14300	49	22060-V	240	31233	29	316XX	229	36217	185
10650	248	14300-A	49	22070	240	31233-130	29	31856	64	36218	185
10650-E	248	14310	49	22070-TF	240	31233TWDE	31	3206.0022	96	36270	190
10700	248	14310-A	49	22070-V	240	31234	29	3206.0036	128	36271	190
10700-E	248	14315	49	22071	242	31234TWDE	31	3206.0049	96	36272	190
10720	249	14315-A	49	22071-07	242	31235	30	32100	36	36300	186
10725	249	14350	57	22071FE	39	31235-130	30	32105	37	36400	187
10732	249	14350-A	57	22072	242	31235-A	30	32110	35	36425	183
10740	249	15500	54	22072FE	39	31235TWDE	31	32115	36	36445	185
10820	249	15550	54	22073FE	39	31236	64	32121	37	36470	179
10825	249	15600	23	22077	240	31237	28	32125	37	36471	179
10832	249	15720	23	22077-V	240	31237FVN	98	32126	36	36472	179
10840	249	15863	56	22079	242	31238	28	32135	36	36473	183
1093	225	15865	56	22080	243	31238	26	32140	35	36475	183
1093L	225	15867	56	22083	242	31239	30	32150	36	36483	184
1094	225	15870	56	22095	243	31239TWDE	31	32155	35	36484	184
1094L	225	15897	45	22095UR	243	31240	30	32160	35	36485	184
1190	225	15899	20	22100	168	31240-130	30	32200	38	36800	182
1190L	225	15950	56	22110	168	31240KIT	65	32200-50	149	37001	227
1191	225	15951	56	2261	228	31240TWDE	32	32210	38	37002	227
1191L	225	15952	56	2261F	228	31242	29	32214	149	37003	227
1192	225	16100	53	2261F-NPT	228	31242-130	29	32215	149	37004	227
1192L	225	16100-RF	53	2261M	228	31242-A	29	32216	38	37005	227
12005	235	16110	53	2261M-NPT	228	31242A-130	29	32217	38	37114	178
14100	48	16110-RF	53	2262	228	31242BR	39	32218	38	37115	176
14101	48	16120	53	2262F	228	31242PM	29	32219	38	37115B	178
14102	48	16120-RF	53	2262F-NPT	228	31243	30	32219-130	38	37118	178
14103	48	16130	53	2262M	228	31243-130	30	32219-180	38	37119	178
14104	48	16130-RF	53	2262M-NPT	228	31243PM	30	32220	38	37120	176
14105	48	16200	51	2263	228	31244	28	32220-70	149	37120B	178
14106	48	16201	51	2263F	228	31244-L	28	32230	38	37125	176
14107	48	16202	51	2263F-NPT	228	31247	28	32240	44	37125B	178
14108	48	16202-A	51	2263M	228	31247FE	98	32250	44	37130	178
14109	48	16203	51	2263M-NPT	228	31247-L	28	32260	44	37140	178
14110	48	16204	51	2264	228	31248	28	33150	19	37141	186
14112	48	16205	51	2264F	228	31248FVN	98	33200	19	37142	179
14113	237	16205-A	51	2264F-NPT	228	31249	29	33200	19	37143	183
14114	48	16300	52	2264M	228	31250	30	33250	19	37145	186
14116	48	16300-RF	52	2264M-NPT	228	31250	26	33250	19	37146	187
14150	49	16301	52	230XX	229	31250KIT	66	33250KIT	42	37148	184
14151	49	16301-RF	52	240XX	229	31250TWDE	31	33300	19	37150	182
14152	49	16302	52	260XX	229	31251	30	33300	19	37151	185
14153	49	16302-RF	52	270XX	230	31251TWDE	32	33300KIT	34	37153	178
14160	57	16305	52	288XX	230	31252	30	33301	19	37155	182
14208	58	16305-RF	52	28971	168	31254	33	33301KIT	42	37156	184
14209	58	16400	167	2897XX	230	31255	33	33750	34	37157	178
14210	58	16400-RF	167	290XX	230	31255EVO	33	33800	42	37158	179
14211	58	16405	167	2973MID	14	31256EVO	33	33810	42	37159	179
14216	58	16405-RF	167	2978MID	15	31256EVO-PM	33	33820	42	37160	182
14218	58	16710	166	2979MID	16	31258	39	33830	42	37161	183
14219	58	16850	56	30000	119	31260KIT	65	33840	42	37162	183
14220	58	2001.0148	94	30001	119	31262	33	33900KIT	136	37163	184
14222	58	2001.0153	94	30002	119	31264	33	33950	96	38100	189

ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE
38110	189	40611	236	49830-7	83	50601	61	52400-100	238	70899	162
38115	189	40612	245	49830-8	83	50606	61	52404	239	70950	128
38120	189	40613	236	49840-1	82	50607	61	52405	239	70955	128
38120	189	40614	245	49840-2	82	50800	45	52406	239	70960	128
38130	189	40630	245	49840-3	82	50806	45	52450	239	70970	128
38150	188	40636	245	49840-4	82	50820	45	52460	238	70975	128
38155	188	420XX	231	49840-5	82	50821	140	52500	238	70980	43
38160	188	4222	228	49855-1	82	50821-CL	140	610XX	231	70981	43
38165	188	4222F	228	49855-2	82	50822	140	620XX	231	71000	165
38180	188	4222F-NPT	228	49855-3	82	50822-CL	140	650XX	229	71000-P	165
38180	188	4222M	228	49855-4	82	50823	140	65420	39	71061	60
38190	188	4222M-NPT	228	49855-5	82	50823-CL	140	65421	39	71063	60
38200	176	4223	228	49855-6	82	50840	45	65492	148	71070	60
38210	176	4223N	228	49860-4	83	50846	46	65556	157	71075	60
38300	176	4229	228	49860-5	83	50860	45	6882	237	71080	59
38310	177	4229N	228	49860-6	83	50860-SP	45	6883	237	71080	59
38320	177	4231	228	49860-7	83	50870	45	6884	237	71081	59
38330	177	4231N	228	49860-8	83	50880	45	6885	237	71085	59
38340	177	4232	228	49865-4	83	50924	70	70020	164	71090	59
38350	186	4232N	228	49865-5	83	50928	70	70050	165	710XX	231
38360	187	430XX	245	49865-6	83	50960	63	70070	163	71300	168
38361	187	4351	263	49865-7	83	50961	63	70100	163	71301	168
38400	186	4352	263	49865-8	83	50962	63	70120	164	71315	168
38500	220	440XX	231	49870-4	83	50963	63	70140	163	71400	156
38600	220	450XX	231	49870-5	83	50964	63	70145	163	71400-F	156
38700	221	460XX	231	49870-6	83	50965	63	70145-200	163	71450	156
38700M	221	49540	262	49870-7	83	50966	63	70250	24	71451	223
39140	189	49550	262	49870-8	83	50967	63	70300	24	71452	237
39400	192	49551	262	5000	250	50968	63	70400	24	7145201	237
39400	192	49557	262	5004	250	50969	63	70450	24	71453	223
39410	192	49650	39	5005	250	50970	63	70495-12	153	71454	223
39420	192	49700	133	5010	250	50972	63	70495-24	153	71455	156
39500	182	49710	76	50105	235	50973	63	70497	153	71458	223
39502	182	49715	76	50106	237	50975	63	70497-24	153	71459	39
39505	183	49716	76	50107	236	50976	63	70499	157	71461	223
39507	177	49717	76	50110	236	50977	63	70500	157	71476	155
39508	177	49718	74	50111	236	50978	63	70501	157	71478	154
39535	176	49720	74	50120	236	50979	63	70505-10	160	71479	155
39600	176	49721	61	50121	236	51100	109	70505-20	160	71482	155
39601	176	49724	71	50122	236	5110004	109	70505-X	160	71487-12	153
39602	182	49724-A	71	50123	235	5110008	109	70506-10	160	71487-24	153
39604	188	49730	76	50124	233	5110025	109	70506-20	160	71490	156
39605	179	49740	77	50125	232	51101	109	70506-5	160	71501	157
39608	187	49740CA	70	50126	233	51102	109	70506-F	160	71504	157
39700	222	49750	77	50127	234	51103	109	70506-X	160	71521	157
39750	222	49750CA	70	50129	232	51104	62	70507-10	160	71525	157
39750	222	49750-SE	77	50130	237	51105	109	70507-20	160	71551	157
400XX	229	49760	75	50132	236	51106	62	70507-5	160	71552	157
40300	246	49770	75	50133	236	51107	62	70507-X	160	716XX	231
40302	246	49780	78	50134	236	51111	151	70624	40	71704	162
40303	246	49780-SP	78	50135	237	51112	151	70625	40	71706	162
40305	246	49781	79	50136	236	51113	159	70627	40	71707	162
40306	246	49782	79	50138	237	51114	159	70628	40	71711	162
40360	246	49783	79	50152	233	51115	159	70629	40	71712	162
40400	246	49784	79	50155	234	51116	151	70648	40	71720	158
40420	246	49785	79	50156	233	51117-12	153	70700	40	71721	158
40430	246	49786	79	50157	234	51117-24	153	70710	40	71723	158
40434	246	49787	79	50200	47	51119	159	70860	162	71724	159
40435	246	49790	78	50210	47	51123	262	70870	41	71725	159
40436	246	49791	78	50225	47	51240	62	70882	43	71900	154
40437	246	49795	80	50226	47	51300	62	70884	43	71901	154
40450	61	49796	80	50311	244	51301	62	70884-60HZ	43	71902	154
40451	79	49797	80	50315	244	51302	62	70884KIT	43	72004	78
40452	79	49800	80	50320	244	51303	62	70885	43	72005	78
40453	79	49801	108	50400	46	51304	62	70885-60HZ	43	72101	38
40602	245	49803	108	50450	46	51340	62	70886	43	72310	166
40603	245	49804	79	50458	46	51390	62	70887	43	72730	55
40604	245	49830-4	83	50460	67	51390-F	62	70894	41	72730-G	158
40605	245	49830-5	83	50500	251	52300	238	70895	41	72735	55
40610	236	49830-6	83	50510	251	52400	238	70896	41	72735-G	158



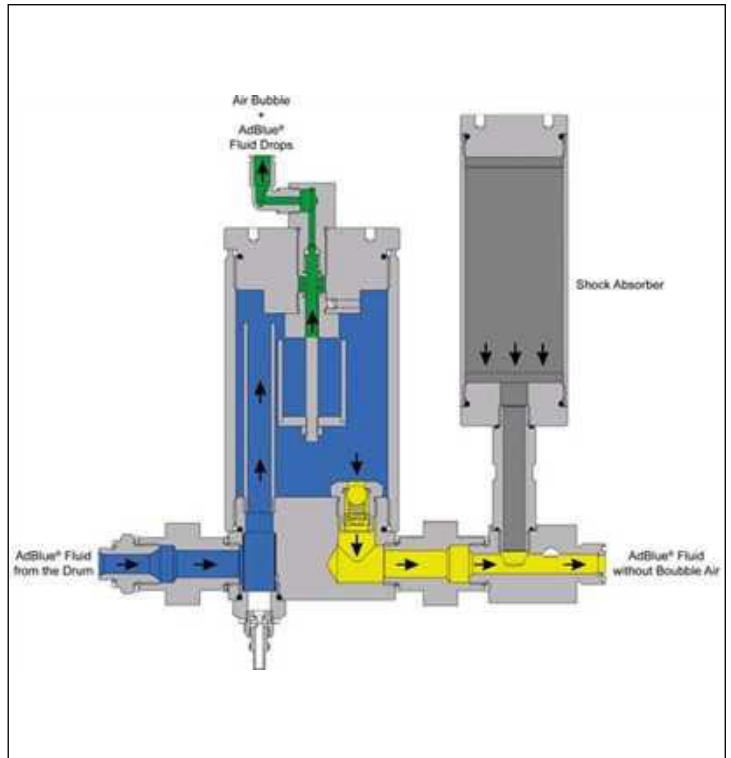
ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE
72740	55	81715	117	83400	121	90030	99	98213	73	9964-NPT	227
72745	55	81720	117	83400-20	121	90050	102	98213KIT	73	9966T.F	224
73500	25	81725	116	83400-60	121	90053	102	98250	72	9967	224
740XX	229	81730	116	83450	121	90060	224	9901	228	9968	224
74560	242	81735	118	83450-20	121	90061	224	9901N	228	9970	224
74561	242	81736	118	83450-60	121	90079	103	9902	228	9970F	227
74562	168	81737	118	83600	123	90080	101	9902N	228	9970-NPT	227
76500	92	81738	118	83600-20	123	90081	103	9903	228	9974	227
76500-915	92	81739	118	83600-60	123	90083	98	9903N	228	9975	225
76868	92	81740	117	83650	123	90088	98	9904N	228	9975L	225
76868-915	93	81745	118	83650-20	123	90089	104	9905	228	9976	225
76869	93	81746	118	83650-60	123	90090	104	9905N	228	9976L	225
76869-915	93	81747	118	83800	127	90095	101	9906	228	9977	227
770XX	229	81748	118	83800-60	127	90096	100	9906N	228	9978	227
780XX	229	81749	118	83950	122	90100	106	9907	228	9979	227
80250	137	81755	118	83955	124	90110	106	9907N	228	9981	224
80250-335	137	81765	118	83960	124	90110-110	106	9908	228	9981F	227
80250-360	137	81800	149	84000	138	90120	106	9908N	228	9981N	227
80250LQ	137	81815	129	84008	138	90120-110	106	9909	228	9981NPT	227
80400	142	81817	129	84050	138	90122	107	9909N	228	9981-STM	227
80512	148	81818	129	850XX	229	90122-110	107	9910	228	9984	227
80520	148	81818-P	112	860XX	229	90124	107	9910N	228	9987	224
80530	148	81819	113	88200	143	90127	107	9911	228	9988	227
80560	148	81819TWDE	114	88201	143	90205	108	9911N	228	9989	227
80580	148	81820	112	88310	143	90206	108	9912	228	9993	225
80590	149	81821	113	88400	139	90207	108	9912N	228	9993L	225
80590-50	149	81821TWDE	114	88410	143	90207-20	108	9915	228	9995	227
80600	142	81822	111	88415	143	90208	108	9915N	228	9996	224
80610	148	81840	130	88416	143	90226	108	9916A	228	9997	224
80612	148	81840-E	130	88420	143	90292	108	9916N	228	9998	225
80628-Ø40	148	81850	149	88440	144	90293	108	9917	228	9998L	225
80628-VU	148	81860	112	88441	144	92000	258	9917N	228	9999	228
80629	148	81861	113	88442	143	92050	258	9919	228	9999N	228
80630	148	81861TWDE	114	88443	144	92100	258	9919N	228	AF4213150	197
80631	148	81862	111	88444	144	92111	256	9920	228	AF4213151	197
80634-Ø40	148	81880	112	88445	144	92111-T	256	9920N	228	AF4213200	197
80634-VU	148	81881	113	88446	144	92112	255	9924	228	AF4213250	197
80684-VU	148	81881TWDE	114	88447	144	92113	255	9924N	228	AF4219151	197
80690	149	81883	111	88448	144	92114	255	9925	228	AF4219200	197
80690-50	149	81886	111	88450	144	92117	261	9927	228	AF4219250	197
80722	263	81886-20	111	88451	144	92117KIT	261	9927N	228	AF4226151	197
80723	263	81886-60	111	88452	144	92118KIT	261	9928A	228	AF4226201	197
80726	127	81887	111	88454	144	92118-P	261	9928N	228	AF5213200	198
80782	263	81887-20	111	88456	143	92119	255	9939A	228	AF5213201	198
80783	263	81887-60	111	88460	144	92120	255	9939N	228	AF5213250	198
80785	263	81888	115	88500	139	92121	256	9942	225	AF5219201	198
80791	132	81889	115	88510	139	92122	257	9942L	225	AF521925H501	198
80793	69	81900	133	88700	143	92122-C	257	9943	225	AF522625H501	198
80794	69	81900	133	88910	260	92123	257	9943L	225	AF5313200	199
80795	263	81905	133	88910 + 90022	260	92123-C	257	9945	225	AF5313201	199
80798	71	81905	133	89300	146	92124	257	9946	225	AF5313350	199
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80800-400	141	81921	130	89350	146	92125	257	9950	225	AF5319350	199
80800-600	141	81940	132	89350-RF	146	92126	257	9951	223	AF5319351	199
80850	135	81960	131	89351	147	92127	257	9951-NPT	227	AF5326350	199
80850-200	134	820XX	229	89351-RF	147	92129	260	9951-RF	223	AF5326351	199
80850-30	134	83001	127	89352	147	92130	260	9952	223	ASGF4213150	201
80850-60	134	830XX	229	89352-RF	147	92200	258	9952-NPT	227	ASGF4213151	201
80850-EL	135	83300	125	89360	146	92250	258	9954	227	ASGF4213200	201
80850-SP	134	83300-20	125	89360-RF	146	92500	259	9956	227	ASGF4213250	201
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80900-400	141	83350	125	89370-RF	147	92550	259	9960K	224	ASGF4219200	201
80900-C	141	83350-20	125	89375	147	930XX	230	9960K-400	227	ASGF4219250	201
80904	142	83350-60	125	89375-RF	147	940XX	230	9961	224	ASGF4226151	201
80905	142	83390	126	90001	105	950XX	230	9962	224	ASGF4226201	201
80905-C	142	83390-20	126	90002	256	98208	72	9962-600TF	227	ASGF5213200	202
80950	141	83390-60	126	90006	105	98210	72	9962N	227	ASGF5213201	202
80955	142	83395	126	90018	100	98211	73	9962-ST	227	ASGF5213250	202
810XX	229	83395-20	126	90020	99	98211KIT	73	9964	224	ASGF5219201	202
81710	117	83395-60	126	90022	99	98212	72	9964-400	227	ASGF521925H501	202

ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE	ART. NO.	PAGE
ASGF522625H501	202	GF2363262	215	OPF42261	208	SF2442130	212	SXPN42190	212	TX1263401	219
ASGF5313200	203	GF2363263	215	OPF52190	208	SF2442131	212	SXPN42191	212	TX1263402	219
ASGF5313201	203	GF2452190	215	OPF52191	208	SF2442190	212	SXPN42260	212	TX1263403	219
ASGF5313350	203	GF2452191	215	OPF52260	208	SF2442191	212	SXPN42261	212	TX1263601	219
ASGF5319201	203	GF2452260	215	OPF52261	208	SF2442260	212	SXPN52130	213	TX1263602	219
ASGF5319350	203	GF2452261	215	OPSGF42260	208	SF2442261	212	SXPN52131	213	TX1263603	219
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ASGF5326350	203	GF2463261	215	OPSGF52190	208	SF2452131	213	SXPN52191	213	TX2352401	218
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ASGX4213250	201	GFGSA52260	215	OPSGX42261	208	SFID42190	212	TF1253402	218	TX2362401	219
ASGX4219151	201	GFGSA52261	215	OPSGX52190	208	SFID42191	212	TF1253403	218	TX2363401	219
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ASGX4226151	201	GFGSA63262	215	OPSGX52261	208	SFID52130	213	TF1263402	219	TX2363601	219
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ASGX5213200	202	GP SYSTEM 20	92	OPX42261	208	SFID52190	213	TF1263601	219	TX2363603	219
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ASGX521925H501	202	GX1252261	215	OPX52261	208	SFPN42131	212	TF2352401	218	TX2453401	218
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ASGX5319201	203	GX2352190	215	OSGF42260	205	SFPN52130	213	TF2362401	219	TX2463402	219
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AX4213150	197	GX2363261	215	OSGF52261	206	SJ9005	223	TF2363602	219	TX6340202	216
AX4213151	197	GX2363262	215	OSGX42130	205	SJ9006	223	TF2363603	219	TX6340203	216
AX4213200	197	GX2363263	215	OSGX42131	205	SJ9007	223	TF2452400	218	TX6340351	216
AX4213250	197	GX2452190	215	OSGX42190	205	SJ9009	223	TF2452401	218	TXSGA52400	218
AX4219151	197	GX2452191	215	OSGX42191	205	SJL04	223	TF2453400	218	TXSGA52401	218
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AX4226201	197	GX2463261	215	OSGX52261	206	SX1242191	212	TF2462401	219	TXSGA53403	218
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AX5213250	198	GXSGA52190	215	OX42190	205	SX1252130	213	TF2463403	219	TXSGA63402	219
AX5219201	198	GXSGA52191	215	OX42191	205	SX1252131	213	TF2463601	219	TXSGA63403	219
AX521925H501	198	GXSGA52260	215	OX42260	205	SX1252190	213	TF2463602	219	TXSGA63601	219
AX522625H501	198	GXSGA52261	215	OX42261	205	SX1252191	213	TF2463603	219	TXSGA63602	219
AX5313200	199	GXSGA63260	215	OX52130	206	SX2442130	212	TF6340202	216	TXSGA63603	219
AX5313201	199	GXSGA63261	215	OX52131	206	SX2442131	212	TF6340203	216		
AX5313350	199	GXSGA63262	215	OX52191	206	SX2442190	212	TF6340351	216		
AX5319201	199	GXSGA63263	215	OX52261	206	SX2442191	212	TFSGA52400	218		
AX5319350	199	OEF42400	209	QBB SYSTEM	92	SX2442260	212	TFSGA52401	218		
AX5319351	199	OEF42401	209	SCF1242130	211	SX2442261	212	TFSGA53400	218		
AX5326350	199	OEF53400	209	SCF1242131	211	SX2452130	213	TFSGA53401	218		
AX5326351	199	OEF53401	209	SCF2442130	211	SX2452131	213	TFSGA53402	218		
DOSAMIX 5000	250	OEX42400	209	SCF2442131	211	SX2452190	213	TFSGA53403	218		
GF1252190	215	OEX42401	209	SCX1242130	211	SX2452191	213	TFSGA62401	219		
GF1252191	215	OEX53400	209	SCX1242131	211	SXID42130	212	TFSGA63401	219		
GF1252260	215	OEX53401	209	SCX2442130	211	SXID42131	212	TFSGA63402	219		
GF1252261	215	OF42130	205	SCX2442131	211	SXID42190	212	TFSGA63403	219		
GF1263260	215	OF42131	205	SF1242130	212	SXID42191	212	TFSGA63601	219		
GF1263261	215	OF42190	205	SF1242131	212	SXID42260	212	TFSGA63602	219		
GF1263262	215	OF42191	205	SF1242190	212	SXID42261	212	TFSGA63603	219		
GF1263263	215	OF42260	205	SF1242191	212	SXID52130	213	TX1252400	218		
GF2352190	215	OF42261	205	SF1242260	212	SXID52131	213	TX1252401	218		
GF2352191	215	OF52130	206	SF1242261	212	SXID52190	213	TX1253400	218		
GF2352260	215	OF52131	206	SF1252130	213	SXID52191	213	TX1253401	218		
GF2352261	215	OF52191	206	SF1252131	213	SXID52260	213	TX1253402	218		
GF2363260	215	OF52261	206	SF1252190	213	SXPN42130	212	TX1253403	218		
GF2363261	215	OPF42260	208	SF1252191	213	SXPN42131	212	TX1262401	219		





**OMPI** provides a document to describe the design and certification evolution that has taken place from 2016 to today, regarding MID certified equipment, according to directive 2014/32/EU.



## DIRECTIVE 2014/32/UE

**Measuring Instruments Directive** applies to metric instruments for legal measurement.  
The purpose of the directive is to protect the consumer and the market.

### DIRECTIVE IMPLEMENTATION IN ITALY

LEGISLATIVE DECREE 19 May 2016, n. 84 Implementation of Directive 2014/32/EU concerning the harmonisation of legislation.

### Definitions according to DIR 2014/32/UE MID (Italian implementation of DLGS 19 May 2016, n. 84):

- **«Measuring instrument»** An instrument intended to continuously measure, store and display, under measuring conditions, the quantity of liquid passing through the measuring transducer in a closed, fully loaded conduit.
- **«Measuring system»** A system that includes the flow meter itself and all devices necessary to ensure correct measurement or intended to facilitate measuring operations.
- **«Putting into use»:** means the first use of a measuring instrument intended for the end-user for the purposes for which it was intended;

- **«Manufacturer»:** means any natural or legal person who manufactures a measuring instrument or has a measuring instrument designed or manufactured, and markets that measuring instrument under his name or trade mark or puts it into use for his own purposes;
- **«Authorised representative»:** means any natural or legal person established within the Union who has received a written mandate from a manufacturer to act on his behalf in relation to specified tasks;

### Definitions according to DIR 2014/32/UE MID (Italian implementation of DLGS 19 May 2016, n. 84):

- **«Distributor»:** means any natural or legal person in the supply chain, other than the manufacturer or the importer, who makes a measuring instrument available on the market;
- **«CE marking»:** means a marking by which the manufacturer indicates that the measuring instrument is in conformity with the applicable requirements set out in Union harmonisation legislation providing for its affixing.

### Definitions according to Ministerial Decree 93/2017

- **«Legal measurement function»**, means a measure-

ment function justified by reasons of public interest, public health, public safety, public order, environmental protection, consumer protection, imposition of taxes and duties and fair commercial transactions;

- «**Instrument owner**», means the natural or legal person who owns the measuring instrument or who otherwise has responsibility for the measuring activity;

- «**Seals**», the protective seals, including electronic ones, applied to instruments to guarantee their integrity by notified bodies and manufacturers, when verifying conformity, and by periodic verification bodies that have submitted a certified notification of commencement of activity to Unioncamere and by the Chambers themselves and by other bodies authorised to carry out verifications during the transitional period referred to in Article 18 and previously.

## MID

- With reference to the national and European legal requirements to which measuring instruments used for commercial transactions are subject or as better defined by the reference regulations;
- **The instruments used for legal measurement functions**, OMPI with the aim of supporting its partners so that they do not incur administrative sanctions or even criminal proceedings, would like to clarify the following.
- **OMPI** has been selling measuring instruments with legal functions for several years (first certificate in 2016) and for different types of liquids (oils, Urea, coolant, etc.).
- In developing its products, **it initially developed specific meters** for different types of liquids and some **essential components** of the measuring systems (air elimination devices, flow regulators, pumps, valves, etc.) and subsequently made **complete measuring systems** available on the market.
- In both cases (instruments or measurement systems) it has submitted them to the delicate approval process at a recognized international body, obtaining the relevant certifications (**MID Module B**) and which, thanks to a further company certification (**MID Module D**), is able to market in compliance with all that is provided by European regulations.
- As specified in the introduction, in order to support its partners and especially the users of these instruments, it is important to specify that the latter have different obligations that vary substantially depending on the type of installation planned.
- The first important distinction is related to the use of a **"system" certified and marked at the origin**



**by the manufacturer** or of a system containing "components" certified at the origin but which CANNOT be certified as a whole given the impossibility of the manufacturer to know many of the necessary aspects, not least the set of components as well as compliance with the operating conditions and much more.

- In the latter case, it is therefore essential that the user requests the intervention of a recognised notified body to carry out further tests and certify their suitability before putting them in function.
- OMPI will provide all the necessary support for the certification of the system including the certification of the essential components supplied. This type of conformity assessment is provided by **Annex II of the MID Directive according to Module G** and in this specific case the manufacturer would no longer be OMPI but rather the one who created the system and prepared everything necessary for the definition of the certification practice.
- In the first case, however, OMPI (provider of the complete system), thanks to the provisions of the MID directive in terms of **Conformity assessment according to Annex II of the MID Directive**



- **Module B + D**, is able to provide all the documentation necessary so that the user can proceed directly to commissioning the instrument.
- Please note that the latter (commissioning) may have significant differences depending on the EU Member State in which it takes place.
- In Italy, it is necessary to refer to the provisions of **the competent Chambers of Commerce**, which require a written communication accompanied by the personal data of the instrument and references to the place of use.
- Note: Even in the simple case in which this is changed, that is, the instrument is transferred to another location, it is necessary to communicate the change to the respective chambers of commerce of competence (Art. 13. DM 93).
- Finally, given the user's responsibilities, article 8 of Ministerial Decree 93 is reported in full, which defines the obligations in relation to the maintenance of the instrument after it has been put into service.

## OBLIGATIONS OF OWNERS OF END USER INSTRUMENTS

- 1. Owners of measuring instruments subject to the obligation of periodic verification:
  - a) **communicate within 30 days to the Chamber of Commerce** of the district in which the instrument is in service the date of start of use of the instruments and the date of end of use and other elements referred to in Article 9, paragraph 2;
  - b) maintain the integrity of the mark affixed during periodic verification, as well as any other mark, seal, including electronic ones, or protection element;
  - c) they ensure the integrity of the temporary seals applied by the repairer;
  - d) they keep the metrological booklet and any other required documentation;
  - e) they ensure the correct functioning of their instruments and do not use them when they are clearly defective or unreliable from a metrological point of view
- 2. The obligations referred to paragraph 1, letters b), c), d) and e), are excluded in the event of unforeseeable episodes or events over which there is no effective control according to normal criteria of diligence.

## MID INSTRUMENTS

First registered certificate 21/03/2016

EU TYPE EXAMINATION CERTIFICATE	NB	MODEL	CATEGORY
MID 89_B_1 rev. 02	0476 KIWA	MID Oil Counter 15899	Lubricating and hydraulic oil meter
MID 89_B_2 rev. 04	0476 KIWA	MIDBlue Counter 15600	Meter for water-based industrial fluids such as Urea/AUS32, antifreeze, windshield washer fluid
MID 156_B_1 rev. 02	0476 KIWA	MID Blue System (Art. 73060, 73500, 70450, 70300, 70250)	Measuring system for water-based industrial fluids (Urea/AUS32, antifreeze, windshield washer fluid)
MID 238_B_1 rev. 01	0476 KIWA	MID Oil System (Art. 2973MID, 2978MID e 2979MID)	Measuring system for lubricating and hydraulic oils

NOTIFIED BODY



Kiwa Cermet S.p.A.  
Company with sole shareholder, subject to the management and coordination of Kiwa Italia Holding Srl

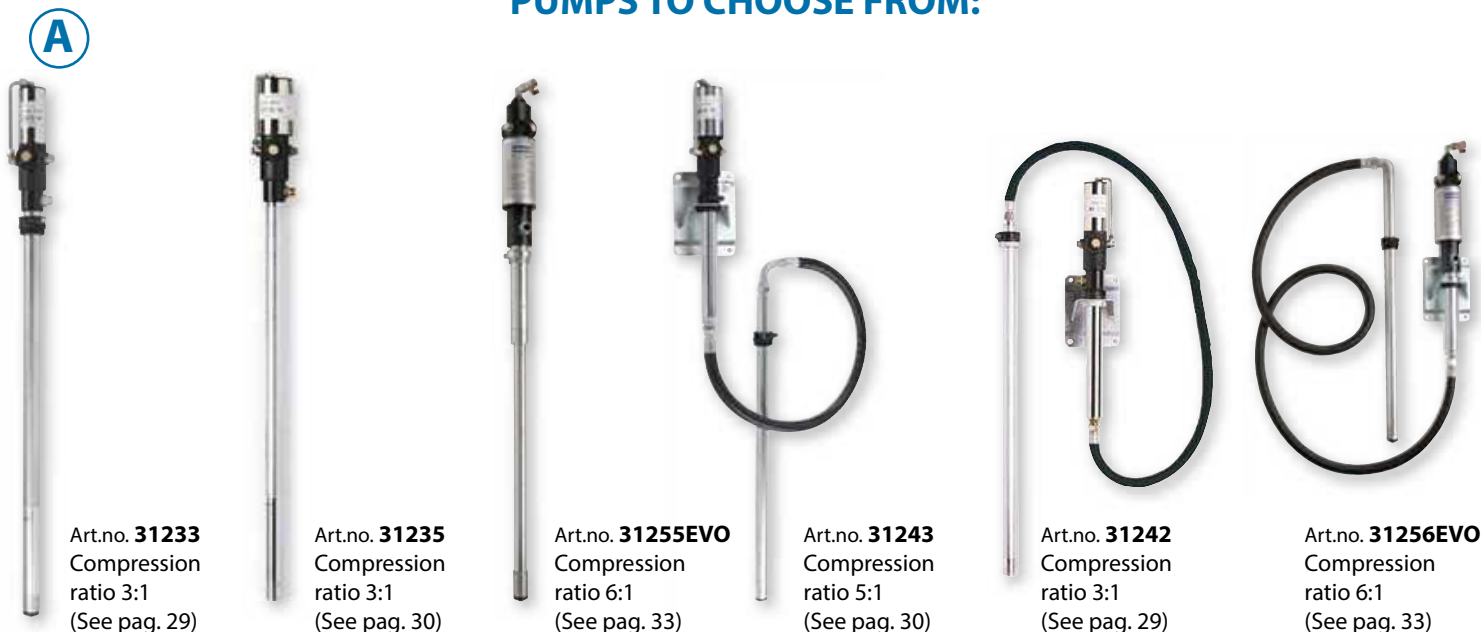
## PNEUMATIC MID OIL SYSTEM: 2973MID

The Kit must be composed of the following elements:

- A** Pump
- +
- B** Air elimination device
- +
- C** MID certified flow meter gun
- +
- D** Connections
- =
- Art.no. **2973MID**



### PUMPS TO CHOOSE FROM:



### DEGASSERS TO CHOOSE FROM:



### CHOICE OF CONNECTIONS

Ø 1/2" hoses up to a maximum suggested length of 30 m (see pag. 17)  
(The request for larger sizes will be evaluated at the offer stage).

**NO FINAL CERTIFICATION REQUIRED ACCORDING TO MODULE G**

## ELECTRIC MID OIL SYSTEM (230VAC): 2978MID



The Kit must be composed of the following elements:

- Ⓐ Pump
- +
- Ⓑ Air elimination device
- +
- Ⓒ MID certified flow meter gun
- +
- Ⓓ Connections
- =
- Art.no. **2978MID**

MID

### PUMP

Ⓐ



Art.no. **70894**

### DEGASSERS TO CHOOSE FROM:

Ⓑ



Art.no. **33250**  
with automatic stop



Art.no. **33301**

Ⓒ



Art.no. **15899**  
(See pag. 20)

Ⓓ

### CHOICE OF CONNECTIONS

**Ø 1/2" hoses up to a maximum suggested length of 30 m** (see pag. 17)  
(The request for larger sizes will be evaluated at the offer stage).

**NO FINAL CERTIFICATION REQUIRED ACCORDING TO MODULE G**

## ELECTRIC MID OIL SYSTEM (12/24VDC): 2979MID

The Kit must be composed of the following elements:

- A** Pump
- +
- B** Air elimination device
- +
- C** MID certified flow meter gun
- +
- D** Connections
- =
- Art.no. **2979MID**



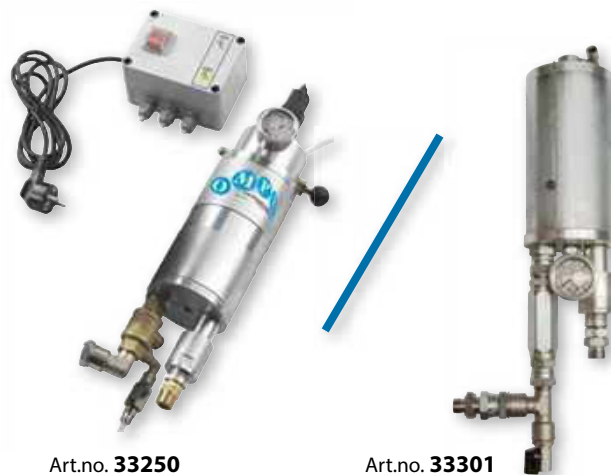
### **A** PUMPS TO CHOOSE FROM:



Art.no. **70700**  
12 VDC

Art.no. **70710**  
24 VDC

### **B** DEGASSERS TO CHOOSE FROM:



Art.no. **33250**  
With automatic stop

Art.no. **33301**

### **C**



Art.no. **15899**  
(See pag. 20)

### **D**

#### CHOICE OF CONNECTIONS

**Ø 1/2" hoses up to a maximum suggested length of 10 m** (see page 17)  
(The request for larger sizes will be evaluated at the offer stage).

**NO FINAL CERTIFICATION REQUIRED ACCORDING TO MODULE G**



## CONNECTION TYPES

D



Art.no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Length
<b>31003</b>	1/2"	12.7 mm	20.6 mm	160 bar	640 bar	180 mm	-40/+100°C	3 m
<b>31005</b>								5 m



Art.no. **37115B**  
(See pag. 178)



Art.no. **36471**  
(See pag. 179)



Art.no. **37115**  
(See pag. 176)



Art.no. **AF4219200**  
(See pag. 197)

### Hose reel hoses examples



Art.no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Length
<b>31010</b>	1/2"	12.7 mm	20.6 mm	160 bar	640 bar	180 mm	-40/+100°C	10 m
<b>31015</b>								15 m
<b>31020</b>								20 m
<b>31025</b>								25 m
<b>31030</b>								30 m

## ACCESSORIES



Art.no. **80785**



Art.no. **80792**



Art.no. **49710**



Art.no. **49730**

## CONFIGURATIONS EXAMPLES

MID



**CONTACT OUR SALES OFFICES FOR THE MOST SUITABLE  
CONFIGURATION FOR YOUR SPECIFIC CUSTOMIZATION NEEDS.**

**EUROPEAN PATENT**  
**19162312.3-1101**  
**102018000003982**

Patented automatic devices for discharging air that may be present in the oil distribution circuit with pump block with empty drum (Art.no. 33200 and 33250) or without pump block (Art.no. 33300 and 33301); complete with pressure gauge for monitoring the circuit pressure and non-return valve.

Connected to the pump outlet, they allow the elimination of air inside the circuit itself and the pressure peaks resulting from the operation of the pneumatic pumps, thus ensuring a constant oil flow.

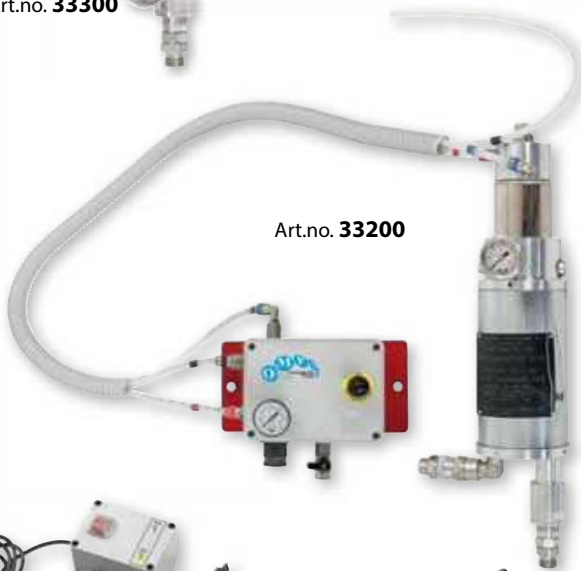
MID



Art.no. **33300**

Art.no. **33300**

Air elimination device suitable for pneumatic pumps.



Art.no. **33200**

Art.no. **33200**

Air elimination device suitable for pneumatic pumps with pump stop at empty tank.



Art.no. **33250**

Art.no. **33250**

Air elimination device suitable for 230 V electric pumps with pump stop at empty tank.



Art.no. **33301**

Art.no. **33301**

Air elimination device suitable for 230 V electric pumps.



Art.no. **33150**

Art.no. **33150**

Pulse damper device for pneumatic pumps ratio 1:1 and 3:1. Connected to the pump outlet it eliminates pressure peaks, thus ensuring a constant oil flow.

Art. no.	Material	Flow rate	Working pressure	Connections IN – OUT	Discharge connection	Weight	Dimensions (WxDxH) (mm)
<b>33300</b>	Brass / Aluminium	0.5 - 10 l/min	1 - 20 bar	1/2" BSP (F - M)	3/4" BSP (M)	3 kg	190x110x310
<b>33200</b>						4 kg	190x110x370
<b>33250</b>						4 kg	190x110x360
<b>33150</b>	Brass / Aluminium	-			-	1 kg	60x55x230

The **European Directive 2014/32/EU**, better known as Directive **MID** (Measuring Instruments Directive), is a community norm responding to reasons of public interest, safety and order, protection of the environment and the consumer, of levying taxes and duties and of fair trading. All these points affect directly and indirectly the daily life of citizens in many ways and require certified measuring systems subject to fiscal verification.

The **MID MI-005** involves measuring systems for continuous and dynamic measurement of quantities of liquids other than water, particularly lubricant oils.

The OMPI oil flow meter series **MID MI-005** complies with metrological standards and requirements concerning accuracy as defined in the a.m. Directive and can be used therefore as approved meters also in fiscal transactions.



Art.no. **15899**

Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID Directive 2014/32/EU**, with rubber protection guard, control gun, 1/2" BSP (M) inlet swivel, fluid flow transparent control tube and automatic anti drip nozzle.



Conformity assessment Art. 17 modules **B+D**



Type Approval certificate MID 89\_B\_1 - rev. 01

RATED OPERATING CONDITIONS	
Type of fluid	Lubricant oils
Flow rate range	Qmin 0.5 L/min ÷ Qmax 10 L/min
Minimum measurable quantity (MMQ)	0.5 l
Accuracy class	0.5
Working temperature	+ 5°C / + 40°C
Working pressure	1 – 20 bar
Display division	0.005 l
Mechanical environment class	M1
Electromagnetic environment class	E2
Checksum code	cksum E57E
Protection class	IP 64
Underlying CE directives	2004/108/CE 2006/95/CE
Underlying CE norms	CEI EN 61000-4-2 CEI EN 61000-4-2 A1 CEI EN 61000-4-2 A2 CEI EN 61000-4-3
Single operations data storing capacity	2000 data record
Composition of storable single operations data	<ul style="list-style-type: none"> <li>Serial number of single dispense</li> <li>Year of dispense</li> <li>Month and day of dispense</li> <li>Time of dispense</li> <li>Dispensed quantity of single operation</li> <li>Absolute total of dispensed quantities</li> </ul>



## MID OIL SYSTEM: MULTI-DROP

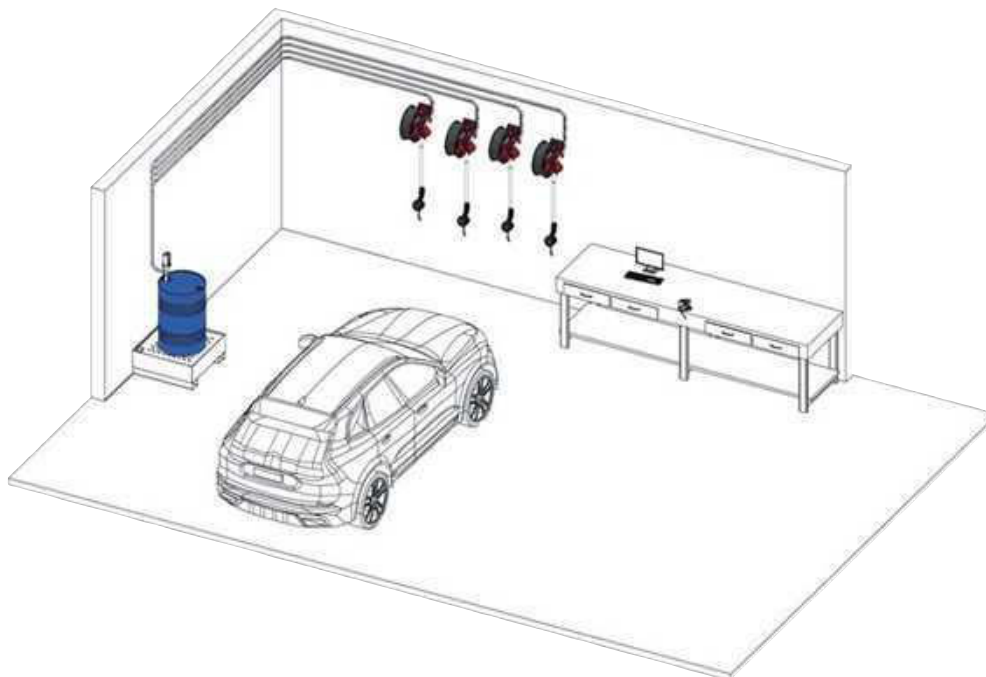
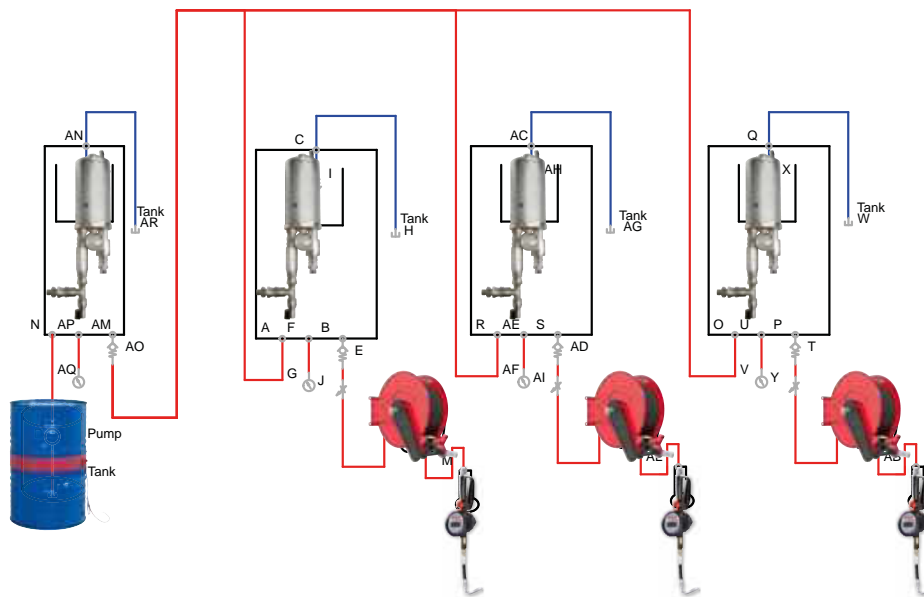
Multi-drop systems have a main booster pump that feeds a hydraulic circuit formed by multiple delivery points in series. The systems contain components certified at the origin suitable for the management and monitoring of fluids in automotive workshops. It is cus-

tomized according to the customer's needs and it is not necessary to request certification. They can be installed on existing centralized systems even if not certified.

**The intervention of our technicians is required for an on-site assessment of the system.**

MID

### EXAMPLES OF HYDRAULIC DIAGRAM



Flow rate:  
Minimum flow rate: 0.5 Liters/min  
Maximum flow rate: 10 Liters/min

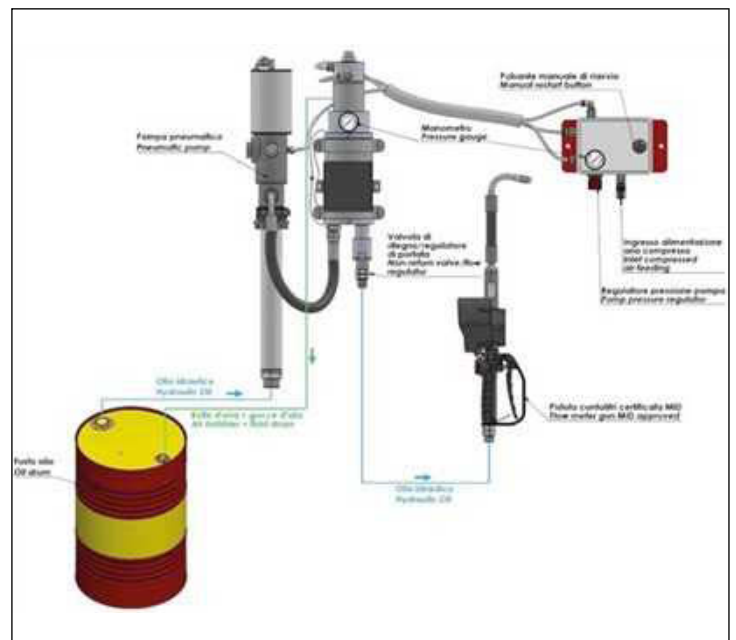
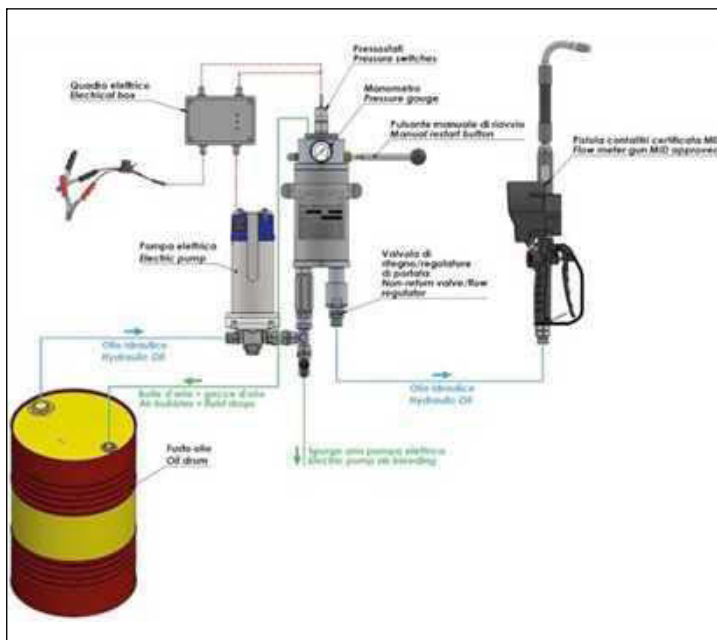
Pressure:  
• Minimum operating pressure at the delivery gun: 1 bar (carrier fluid pressure)  
• Maximum operating pressure at the delivery gun: 20 bar (carrier fluid pressure)  
• Maximum operating pressure at suction at the air elimination device: 40 bar (carrier fluid pressure)

## MID UREA SYSTEMS

Reg. No **MID 156\_B\_1**

First release **2019-08-07**

MEASUREMENT SYSTEM	DISPENSING GUN TYPE		
	15600	71301	71300
Art.no. 73500	–	X	X
Art.no. 70450	–	X	X
Art.no. 70300	X	–	–
Art.no. 70250	X	–	–



The **European Directive 2014/32/EU** better known as Directive **MID** (Measuring Instruments Directive), is a community norm responding to reasons of public interest, safety and order, protection of the environment and the consumer, of levying taxes and duties and of fair trading. All these points affect directly and indirectly the daily life of citizens in many ways and require certified measuring systems subject to legal verification.

The **MID MI-005** involves measuring systems for continuous and dynamic measurement of quantities of liquids other than water, among those also AdBlue®/DEF/AUS32.

The OMPI flow meter for AdBlue® series "MIDBlue" complies with metrological standards and requirements concerning accuracy defined in the a.m. Directive and can be used therefore as approved meters also in fiscal transactions.



MID



## MIDBlue Counter

Art.no. **15600**

Electronic oval gears flow meter for AdBlue(simbolomarchioregistrato), **approved for fiscal transactions according to MID Directive 2014/32/EU**, with rubber protection guard, plastic control gun, 1/2" BSP (M) stainless steel inlet swivel, fluid flow transparent control tube, Ø16 stainless steel rigid outlet and stainless steel automatic anti-drip nozzle.

Art.no. **15720**

Digital flow meter as mod. 15600 but without control gun and stainless steel outlet tube.



Conformity assessment Art. 17 modules **B+D**



Type Approval certificate MID 89\_B\_2 - rev. 1

RATED OPERATING CONDITIONS	
Type of fluid	DEF / Urea Solution / Windshield fluid / Anti-freeze fluid
Flow rate range	Qmin 0.5 L/min ÷ Qmax 10 L/min
Minimum measurable quantity (MMQ)	0.5 l
Accuracy class	0.5
Climatic environment class	-10° C / +40°C
Working pressure	1 – 4 bar
Display division	0.001 l
Mechanical environment class	M1
Electromagnetic environment class	E2
Checksum code	cksum E57E
Protection category	IP 64
Underlying CE directives	2004/108/CE - 2006/95/CE
Underlying CE norms	CEI EN 61000-4-2 CEI EN 61000-4-2 A1 CEI EN 61000-4-2 A2 CEI EN 61000-4-3
Single operations data storing capacity	2000 data records
Composition of storable single operations data	<ul style="list-style-type: none"> <li>- Serial number of single dispense</li> <li>- Year of dispense</li> <li>- Month and day of dispense</li> <li>- Time of dispense</li> <li>- Dispensed quantity of single operation</li> <li>- Absolute total of dispensed quantities</li> </ul>

Pneumatic and electric dispensing units for AdBlue® equipped with **MID approved** flow meter and an automatic air elimination device for discharging any air in the circuit. Both configurations comply with the metrological standards and accuracy required by **Directive 2014/32/EU** and can therefore be used for commercial transactions.

The following AdBlue® distribution kits are equipped with a support bracket for easy application both on walls and on tanks.

## Art.no. 70250

Pneumatic dispensing unit for AdBlue® **MID approved**, composed of: pneumatic pump, air elimination device, pulse dampener, pressure regulator, Ø1/2" - 3 mt. flexible EPDM hose and dispensing gun with digital flow meter



Art. no.	Compressed air supply	Max outlet pressure	Max. delivery	Weight	Dimensions (LxWxH) (mm)
<b>70250</b>	2-4 bar	4 bar	10 l/min	12 kg	400x370x250

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.

## Art.no. 70450

Electric dispensing unit for AdBlue® **MID approved**, composed of: 220 VAC - 370 W electric pump Art.no. 70899, air elimination device, pulse dampener, pressure switch, Ø1/2" - 3 mt. flexible EPDM hose, digital flow meter MID approved, dispensing gun with automatic release and thermal printer for printing individual dispensing reports.

## Art.no. 70300

Dispensing unit like Art.no. 70450 but with a 12 VDC electric pump and without thermal printer.

## Art.no. 70400

Dispensing unit like Art.no. 70450 but without thermal printer.



Art. no.	Voltage	Current drain	Power	Outlet pressure	Max. delivery	Weight	Dimensions (LxWxH) (mm)
<b>70450</b> <b>70400</b>	230 VAC - 50 Hz	3,8 A	370 W	4 bar	10 l/min	13 kg	400x370x250
<b>70300</b>	12 VDC	5 A	180 W			10 kg	

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.



## Speedy Blue MID

Electric mobile dispensing unit for AdBlue® suitable for 60 L and 200 L drums, equipped with **MID MI-005 approved** flow meter for commercial transactions.

The system is composed of a 12 Vdc stainless steel pump, an automatic air elimination device, a pressure switch for pump block, Ø 1/2" L. 2m delivery hose, dispensing gun with automatic stop, electronic flow meter and printer for issuing the receipt with the dispensing data.

The unit has been developed to be **completely autonomous** thanks to a long-lasting internal 12 Vdc battery and complete with a specific 230 V battery charger.



High-precision, electronic oval gears flow meter **approved for fiscal transactions according to MID MI-005 Directive 2014/32 / EU.**

Displays all the data of each single dispense (quantity, date/time, progressive number) and records up to 2000 data, which are easily accessible in case of subsequent checks.



System key switch to prevent unauthorized dispenses.

Emergency button.

Battery charge indicator.

Thermal printer, performs the printing of individual reports of all the data at the end of each dispense.

Conformity assessment Art. 17 module **B+D**



Type Approval MID 156\_B\_1 - rev. 0

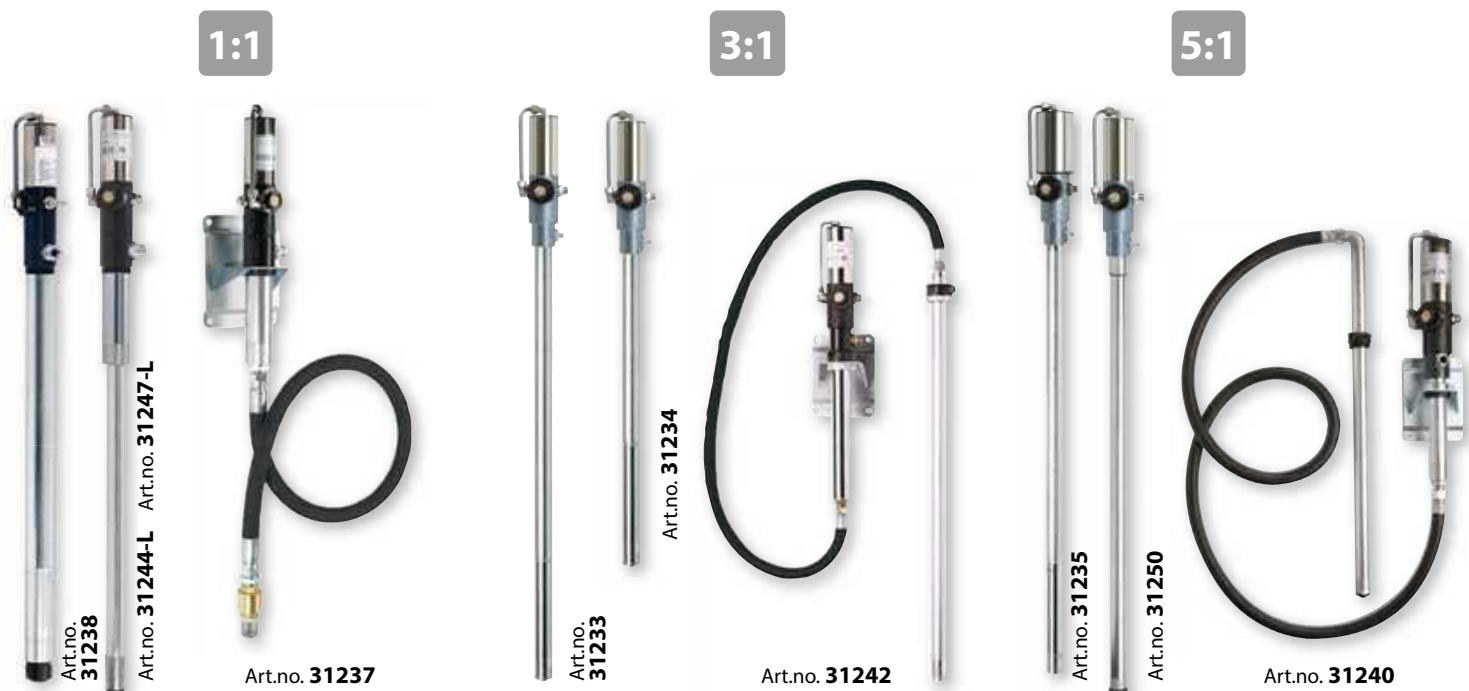
Art. no.	Suitable for drums of	Max. delivery	Max outlet pressure	Voltage	Current drain	Weight	Dimensions (LxWxH) (mm)
<b>73500</b>	200 l	10 l/min	4 bar	12 VDC	36 A	96 kg	650 x 900 x 1150

The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.

OMPI produces a wide range of pneumatic oil pumps that offers an appropriate solution for any kind of fluid viscosity, required delivery, pumping distance, necessary outlet pressure, ambient temperature as well as for simultaneous fluid supplies and any type of storage container.

In the following charts the essential data for selecting the adequate pump for the individual requirements are shown.

For more detailed information please see the following pages.



Art. no.	Flow rate	
31238	48 l/min	●
31244	35 l/min	● ●
31244-L	35 l/min	● ●
31237	35 l/min	● ●
31248	35 l/min	●
31247-L	35 l/min	●
31247	35 l/min	●

These pumps are recommended for the use

- at pumping distances up to 15 m,
- with low viscosity fluids.

Art. no.	Flow rate	
31233	23,7 l/min	● ●
31234	23,7 l/min	● ●
31231	16,7 l/min	● ●
31249	16,7 l/min	●
31242	21 l/min	● ●
31242-A	21 l/min	●
31242PM	21 l/min	● ●
31233TWDE	28 l/min	● ●
31234TWDE	28 l/min	● ●

These pumps are recommended for the use

- at pumping distances up to 100 m,
- with low and medium viscosity fluids.

Art. no.	Flow rate	
31252	9 l/min	● ● ●
31235	18 l/min	● ● ●
31239	18 l/min	● ● ●
31251	13 l/min	● ● ●
31250	13 l/min	● ● ●
31240	13 l/min	● ● ●
31243	18 l/min	● ● ●
31243PM	18 l/min	● ● ●
31235TWDE	22 l/min	● ● ●
31239TWDE	22 l/min	● ● ●
31250TWDE	17 l/min	● ● ●

These pumps are recommended for the use

- at pumping distances up to 200 m,
- with low and medium viscosity fluids,
- with high viscosity fluids at shorter pumping distances.

## Legend















Oil SAE 0/40	●	Oil SAE 90	●	Oil SAE 240	●	Waste oil	●	Antifreeze	●
--------------	---	------------	---	-------------	---	-----------	---	------------	---

The **OMPI** oil pump range is completed by the industrial pump series **"Power Bull"** with high delivery pumps for the supply of fluid lubricants in demanding conditions. These pumps are particularly recommended for the distribution of medium or high viscosity oils in applications or pipeworks where a simultaneous supply in different distribution points at high pressure and high delivery is required. The elevated quality of the used materials and the innovative constructional concept of the pneumatic motors of this line assure the following characteristics and advantages:

- Efficiency of a constant flow,
- Low noise level,
- Limited number of piston strokes,
- Low vibrations,
- Easy maintenance and interchangeability of components.

## Tapir series















Art. no.	Ratio	Flow rate	
31255EVO	6:1	32 l/min	  
31264	2:1	48 l/min	 
31254	5:1	18 l/min	  
31255	5:1	18 l/min	  
31256EVO	6:1	32 l/min	  

- These pumps are recommended
- to achieve high deliveries in the use with low viscosity fluids (art.no. 31264),
  - for the use with low and medium viscosity fluids at pumping distances of more than 300 m,
  - for the use with high viscosity fluids at long pumping distances (art. nos. 31255EVO and 31256EVO)
  - for simultaneous fluid supplies.

## Industrial pump series "Power Bull" Single acting models






















Art. no.	Ratio	Flow rate	
32100	10:1	27 l/min	  
32150	16:1	15 l/min	  
32115	5:1	42 l/min	 
32126	10:1	34 l/min	  
32135	1,5:1	122 l/min	

- These pumps are recommended
- to achieve very high deliveries in the use with low viscosity fluids (art. no. 32135),
  - for the use with low and medium viscosity fluids at pumping distances of more than 300 m,
  - for the use with high viscosity fluids at long pumping distances (art. nos. 32100, 32150, 32115, 32126),
  - for simultaneous fluid supplies.






## Industrial pump series "Power Bull" Double acting models



Art. no.	Ratio	Flow rate	
32155	10:1	27 l/min	  
32160	16:1	15 l/min	  
32140	3,5:1	64 l/min	 
32110	6:1	42 l/min	  
32105	7:1	40 l/min	  
32121	4:1	67 l/min	 
32125	6:1	55 l/min	  

- These pumps are recommended
- to achieve high deliveries in the use with low viscosity fluids,
  - for the use with low and medium viscosity fluids at pumping distances of more than 300 m,
  - for the use with high viscosity fluids at long pumping distances,
  - for simultaneous fluid supplies.

### Legend

Oil SAE 0/40		Oil SAE 90		Oil SAE 240		Waste oil		Antifreeze	
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Pneumatic pumps for the transfer of low viscosity oils and antifreeze at high delivery and short pumping distances.

**STANDARD  
SERIES**

**1:1**



Single acting - 35 l/min

Art.no. **31244**  
**Oil**  
**Waste oil**

Art.no. **31247**  
**Pure antifreeze**



Single acting - 35 l/min

Art.no. **31244-L**  
**Oil**

Art.no. **31247-L**  
**Pure antifreeze**



Double acting - 48 l/min

Art.no. **31238**  
**Oil**



Single acting - 35 l/min

Art.no. **31237** **Oil / Waste oil**

Art.no. **31248** **Antifreeze**

All kits are complete with pump, hose and valve.

Art. no.	31238	31244 31247	31237 31248	31244-L 31247-L
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	1:1			
Outlet pressure	10 bar (145 psi)	8 bar (116 psi)		
Flow rate	48 l/min	35 l/min		
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	3/4" BSP (M)			
Max air consumption with 8 bar pressure	210 l/min			
Length suction tube	950 mm	250 mm	-	950 mm
Diameter suction tube	55 mm			
Suitable for drums of	208 l	Any	Any	208 l
Weight	6.6 kg	4.4 kg	4.5 kg	5.2 kg
Dimensions (LxWxH) (mm)	95x95x1180	95x95x530	110x110x530	95x95x1180

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.



Pneumatic pumps for the supply of low and medium viscosity oils and antifreeze for the use in mobile kits or in pipeworks.

**STANDARD  
SERIES**

**3:1**



Single acting - 21 l/min

Art.no. **31267**  
**Oil**



Double acting - 23.7 l/min

Art.no. **31234**  
**Oil**



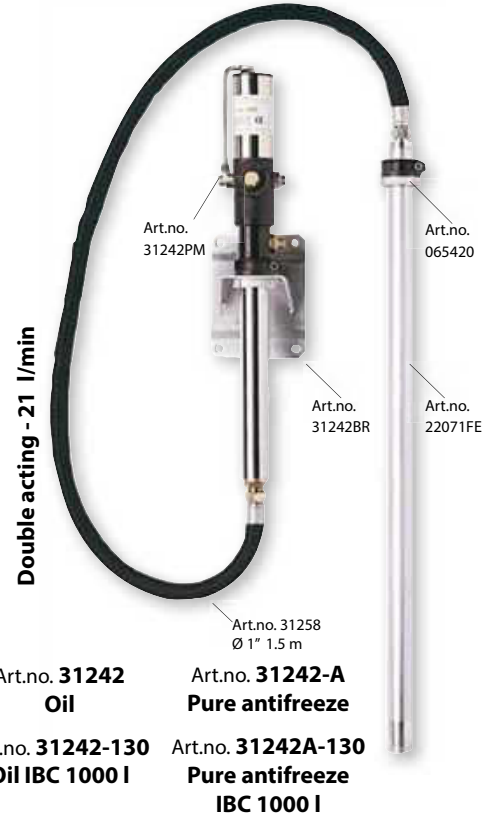
Double acting - 23.7 l/min

Art.no. **31233**  
**Oil**  
Art.no. **31233-130**  
**IBC 1000 l**



Single acting - 16.7 l/min

Art.no. **31231**  
**Oil**  
Art.no. **31249**  
**Pure antifreeze**



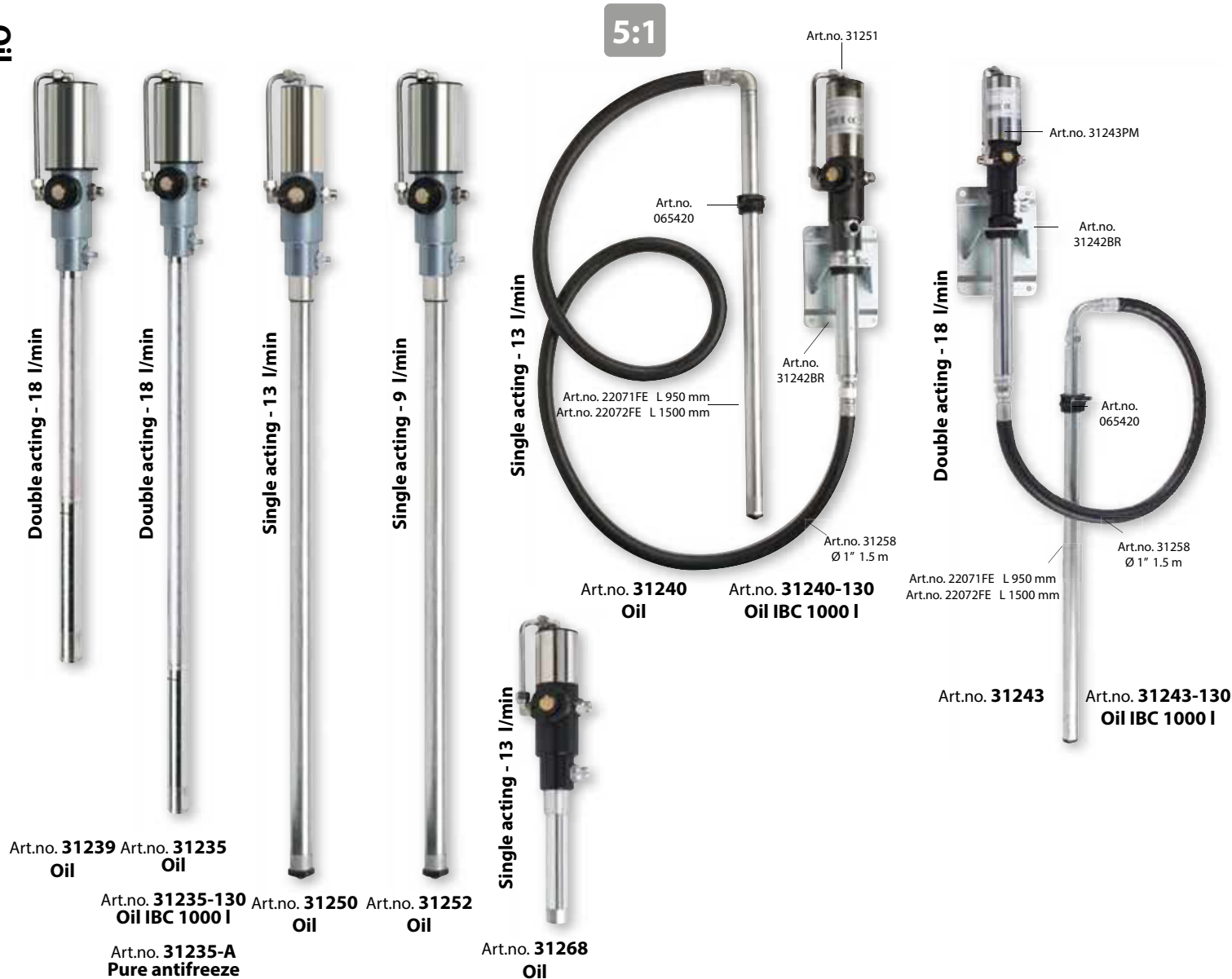
All kits are complete with pump, hose and valve.

Art. no.	31234	31233	31233-130	31231 31249	31242 31242-A	31242-130 31242A-130	31242PM	31267
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)							
Compression ratio	3:1							
Outlet pressure	24 bar (350 psi)							
Flow rate	23.7 l/min			16.7 l/min	21 l/min			
Connection compressed air	1/4" BSP (F)							
Connection lubricant outlet	1/2" BSP (M)							
Max air consumption with 8 bar pressure	210 l/min							
Length suction tube	750 mm	950 mm	1300 mm	950 mm		1300 mm	380 mm	176 mm
Diameter suction tube	40 mm							
Suitable for drums of	60 l	208 l	1000 l	208 l		1000 l	Any	Any
Weight	5 kg	6 kg	6.2 kg	9 kg	5.2 kg	5.4 kg	4.5 kg	3.7 kg
Dimensions (LxWxH) (mm)	95x95x1070	95x95x1270	95x95x1500	95x95x1270	95x95x530	95x95x1500	95x95x700	95x95x415

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Pneumatic pumps for the supply of medium and high viscosity oils for the use in mobile kits or in pipeworks.

**STANDARD  
SERIES**



Art. no.	31239	31235 31235-130 31235-A	31243 31243-130	31250	31240 31240-130	31243PM	31251	31268	31252
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)								
Compression ratio	5:1								8:1
Outlet pressure	40 bar (580 psi)								64 bar (928 psi)
Flow rate	18 l/min			13 l/min		18 l/min	13 l/min		9 l/min
Connection compressed air	1/4" BSP (F)								
Connection lubricant outlet	1/2" BSP (M)								
Max air consumption with 8 bar pressure	210 l/min								
Length suction tube (mm)	750	950/1300		950	950/1300	260		160	
Diameter suction tube	40 mm					45 mm	40 mm		
Suitable for drums of	60 l	208/1000 l		208 l	208/1000 l	-	-	-	208 l
Weight	5.2 kg	5.8 kg	9 kg		5 kg	4.6 kg	4 kg	3.5 kg	9 kg
Dimensions (L xWxH) (mm)	95x95x1070	95x95x1270			95x95x950	95x95x700	95x95x560	95x95x430	95x95x1270

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C Compressed air pressure 8 bar - free flow outlet.

Pneumatic oil pumps with double compressed air outlet distributor, assuring higher delivery rates compared to the standard versions.

**TWDE  
SERIES**

oil

**3:1**



Double acting - 28 l/min

Art.no. **31234TWDE**



Double acting - 28 l/min

Art.no. **31233TWDE**

**5:1**



Double acting - 22 l/min

Art.no. **31239TWDE**



Double acting - 22 l/min

Art.no. **31235TWDE**



Single acting - 17 l/min

Art.no. **31250TWDE**

Art. no.	31233TWDE	31234TWDE	31235TWDE	31239TWDE	31250TWDE
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)				
Rapporto compressione	3:1		5:1		
Pressione di uscita	24 bar (350 psi)		40 bar (580 psi)		
Flow rate	28 l/min		22 l/min		17 l/min
Connection compressed air	3/8" BSP (F)				
Connection lubricant outlet	1/2" BSP (M)				
Max air consumption with 8 bar pressure max	230 l/min		260 l/min		230 l/min
Length suction tube	950 mm	650 mm	950 mm	650 mm	950 mm
Diameter suction tube	40 mm				
Suitable for drums of	208 l	60 l	208 l	60 l	208 l
Weight	5.5 kg	5 kg	5.7 kg	5.3 kg	4 kg
Dimensions (LxWxH) (mm)	95x95x1270	95x95x1070	95x95x1270	95x95x1070	95x95x1270

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Pneumatic oil pumps with double compressed air outlet distributor, assuring higher delivery rates compared to the standard versions.

Pneumatic pumps for the supply of medium and high viscosity oils for the use in mobile kits or in pipeworks.

## TWDE SERIES

5:1

Art.no. 31251TWDE



Single acting - 17 l/min

Art.no. 31240TWDE

## TAPIR SERIES

2,5:1



Double acting - 35 l/min

Art. no.	31240 TWDE	31251 TWDE
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)	
Compression ratio	5:1	
Outlet pressure	40 bar (580 psi)	
Flow rate	17 l/min	
Connection compressed air	3/8" BSP (F)	
Connection lubricant outlet	1/2" BSP (M)	
Max air consumption with 8 bar pressure	230 l/min	
Length suction tube	950 mm	
Diameter suction tube	32 mm	
Suitable for drums of	208 l	
Weight	5.9 kg	4 kg
Dimensions (LxWxH) (mm)	95x95x950	95x95x560

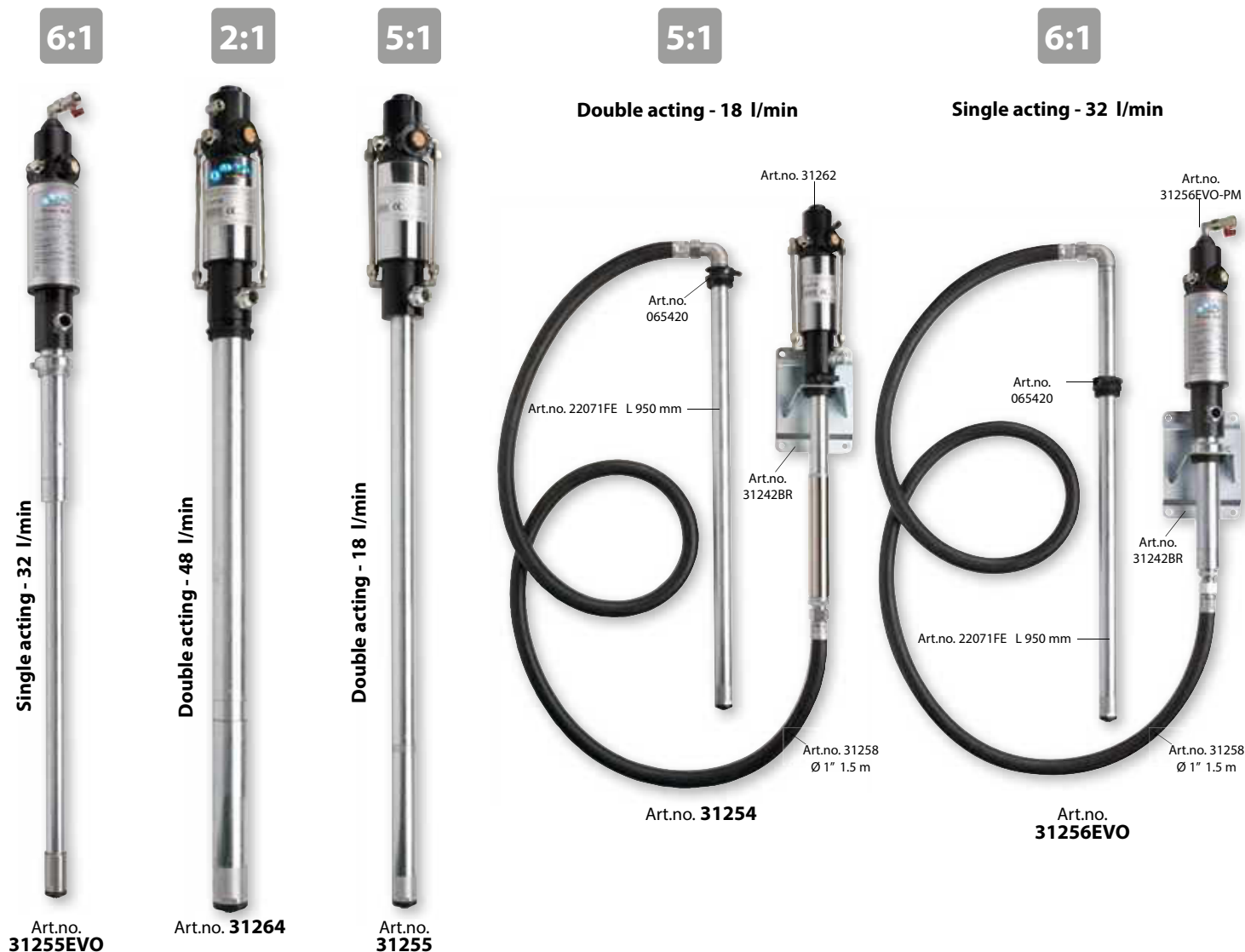
Art. no.	31266
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)
Compression ratio	2.5:1
Outlet pressure	20 bar (290 psi)
Flow rate	35 l/min
Connection compressed air	3/8" BSP (F)
Connection lubricant outlet	3/4" BSP (M)
Max air consumption with 8 bar pressure	220 l/min
Length suction tube	470 mm
Diameter suction tube	40 mm
Suitable for drums of	-
Weight	8.2 kg
Dimensions (LxWxH) (mm)	95x95x880

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.



Pneumatic pumps for the supply of medium and high viscosity oils for the use in mobile kits or in pipeworks.

**TAPIR  
SERIES**



Art. no.	31255EVO	31264	31254 31262	31255	31256EVO	31256EVO-PM
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)					
Compression ratio	6:1	2:1	5:1		6:1	
Outlet pressure	48 bar (700 psi)	16 bar (232 psi)	40 bar (580 psi)		48 bar (700 psi)	
Flow rate	32 l/min	48 l/min	18 l/min		32 l/min	
Connection compressed air	1/2" BSP (F)	1/4" BSP (F)			1/2" BSP (F)	
Connection lubricant outlet	3/4" BSP (M)					
Max air consumption with 8 bar pressure	260 l/min	220 l/min			260 l/min	260 l/min
Length suction tube	950 mm					240 mm
Diameter suction tube	40 mm	55 mm	40 mm			-
Suitable for drums of	208 l					Any
Weight	11 kg	8.5 kg	9.2 kg	8.2 kg	12.5 kg	7.8 kg
Dimensions (LxWxH) (mm)	95x95x1270		95x95x1500	95x95x1270	95x95x1500	95x95x700

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.



Art.no. **33750**

Air-operated oil dispensing kit, composed of:

- double effect pneumatic pump ratio 5:1 art.no 31243PM;
- air separator device with pressure gauge for the check of the outlet oil pressure;
- automatic device for pump shutdown in case of empty drum;
- control panel with pushbutton and feeding cable;
- pressure regulator for pump air feeding.

Art.no.	Air supply	Adjustment range	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
<b>33750</b>	2 - 4 bar	2 - 20 bar	10 l/min	M 1/2" BSP	18 kg	460x730x260



Art.no. **33300KIT**

Air-operated oil dispensing kit, composed of:

- double effect pneumatic pump ratio 5:1 art.no 31243PM;
- air separator device with pressure gauge for the check of the outlet oil pressure.

Art.no.	Air supply	Adjustment range	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
<b>33300KIT</b>	2 - 4 bar	2 - 20 bar	10 l/min	M 1/2" BSP	18 kg	460x730x260

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

## POWER BULL SERIES

oil



Single acting - Flow rate 27 l/min

Art.no.  
**32155**



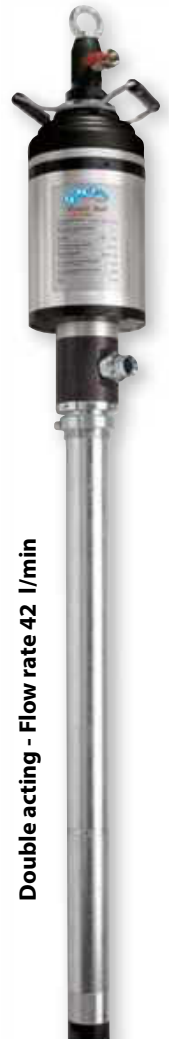
Single acting - Flow rate 15 l/min

Art.no.  
**32160**



Double acting - Flow rate 64 l/min

Art.no.  
**32140**



Double acting - Flow rate 42 l/min

Art.no.  
**32110**

Art. no.	32155	32160	32140	32110
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	10:1	16:1	3.5:1	6:1
Flow rate	27 l/min	15 l/min	64 l/min	42 l/min
Outlet pressure	80 bar (1160 psi)	128 bar (1860 psi)	32 bar (465 psi)	48 bar (700 psi)
Max frequency strokes/min	150	120	150	120
Max air consumption with 8 bar pressure	2.05 m³/min	1.92 m³/min	2.05 m³/min	1.92 m³/min
Diameter pneumatic piston	100 mm	125 mm	100 mm	125 mm
Diameter suction tube	50 x 40 mm	50 x 40 mm	55 x 50 mm	55 x 50 mm
Connection lubricant outlet	1" BSP (M)			
Connection compressed air	1/2" BSP (F)			
Suitable for drums of	208 l			
Weight	15 kg	16 kg	16 kg	17 kg
Dimensions (LxWxH) (mm)	158x160x1600			

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

## POWER BULL SERIES



Art.no. **32100**



Art.no. **32150**



Art.no. **32115**



Art.no. **32126**



Art.no. **32135**

Art. no.	32100	32150	32115	32126	32135
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)				
Compression ratio	10:1	16:1	5:1	10:1	1,5:1
Flow rate	27 l/min	15 l/min	42 l/min	34 l/min	122 l/min
Outlet pressure	80 bar (1160 psi)	128 bar (1860 psi)	48 bar (700 psi)	80 bar (1160 psi)	12 bar (175 psi)
Max frequency strokes/min	150	120			
Max air consumption with 8 bar pressure	2.05 m³/min	1.80 m³/min			1.92 m³/min
Diameter pneumatic piston	100 mm	125 mm	125 mm	160 mm	125 mm
Diameter suction tube	50 x 40 mm	50 x 40 mm	80 x 70 mm	80 x 70 mm	110 x 100 mm
Connection lubricant outlet	1" BSP (M)		1" BSP (F)		1" BSP (M)
Connection compressed air	1/2" BSP (F)				
Application	Wall mounted				
Weight	15 kg	16 kg	20 kg	23 kg	21 kg
Dimensions (LxWxH) (mm)	158x160x1070		158x160x800		158x160x1070

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.



Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

## POWER BULL SERIES



Double acting - Flow rate 40 l/min

Art.no. **32105**



Double acting - Flow rate 67 l/min

Art.no. **32121**



Double acting - Flow rate 55 l/min

Art.no. **32125**

Art. no.	32105	32121	32125
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)		
Compression ratio	7:1	4:1	6:1
Flow rate	40 l/min	67 l/min	55 l/min
Outlet pressure	56 bar (810 psi)	32 bar (465 psi)	48 bar (700 psi)
Max frequency strokes/min	120		60
Max air consumption with 8 bar pressure max a 8 bar	1.92 m³/min		1.80 m³/min
Diameter pneumatic piston	125 mm		160 mm
Diameter suction tube	55 x 50 mm	80 x 70 mm	
Connection lubricant outlet	1" BSP (M)		
Connection compressed air	1/2" BSP (F)		
Application	Wall mounted		
Weight	15 kg	20 kg	32 kg
Dimensions (LxWxH) (mm)	158x160x1300		

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar



**Art.no. 32200**

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. nos. 32100 – 32150. Dimensions: 290 x 290 x 250 mm – ø cylinder 50 mm. Distance between holes for wall fixing: 230 x 205 mm.

**Art.no. 32210**

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. no. 32105. Dimensions: 290 x 290 x 250 mm – ø cylinder 55 mm. Distance between holes for wall fixing: 230 x 205 mm.

**Art.no. 32220**

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. nos. 32121 – 32125 – 32115 – 32126. Dimensions: 290 x 290 x 250 mm – ø cylinder 80 mm. Distance between holes for wall fixing: 230 x 205 mm.

**Art.no. 32230**

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. no. 32135. Dimensions: 290 x 290 x 250 mm – ø cylinder 110 mm. Distance between holes for wall fixing: 230 x 205 mm.



**Art.no. 49717**

Metal bracket for wall mounting of pumps, length 1350 mm.

**Art.no. 32218**

Suction tube in galvanized steel, ø 55 mm, length 950 mm, 1 1/4" BSP (M) connection, with foot valve and metal bung adapter. Suitable for the use of wallmounted pneumatic oil pumps, series "Power Bull", with 208 l – drums.

**Art.no. 32218**

**Art.no. 32219**

**Art.no. 32219-130**

**Art.no. 32219**

Suction tube in galvanized steel, ø 55 mm, length 950 mm, 1 1/4" BSP (M) connection, with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series "Power Bull", with 208 l – drums.

**Art.no. 32219-130**

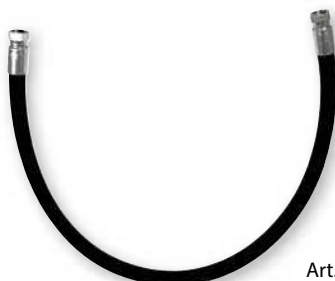
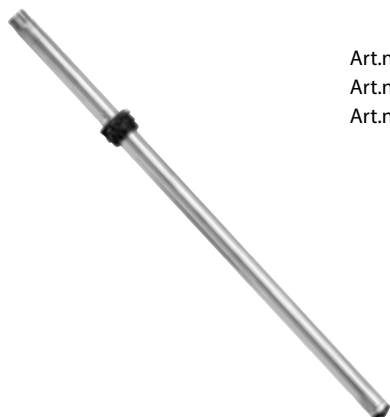
Suction tube in galvanized steel, ø 55 mm, length 1500 mm, 1 1/4" BSP (M) 1 1/4" BSP (M) connection, with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series "Power Bull", with 1000 l – IBC -tanks.

**Art.no. 32219-180**

Suction tube in galvanized steel, ø 55 mm, length 1800 mm, 1 1/4" BSP (M) connection, with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series "Power Bull".

**Art.no. 72101**

Rubber suction hose SAE 100 R1 AT, ø 1 1/4", connections 1 1/4" BSP (F-F), length 1500 mm.



**Art.no. 72101**

**Art.no. 32217**

Metal bung adapter for the fixation of pumps, series "Power Bull", on drums or tanks. Connection 2" BSP (M) x 50 mm. Suitable for art. nos. 32155 – 32160.

**Art.no. 32216**

Metal bung adapter for the fixation of pumps, series "Power Bull", on drums or tanks. Connection 2" BSP (M) x 55 mm. Suitable for art. nos. 32140 – 32110.





Art.no. **31242BR**

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps.

Dimensions: 170 x 140 x 235 mm.

Distances between holes for wall fixing: 140 x 200 mm.



Art.no. **22071FE**

Art.no. **22072FE**

Art.no. **22073FE**

Art.no. **22071FE**

Suction tube in galvanized steel,  $\varnothing$  40 mm, length 950 mm, 1" BSP (M) connection, with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series standard, TWDE and Tapir, with 208 l – drums.

Art.no. **22072FE**

Suction tube in galvanized steel,  $\varnothing$  40 mm, length 1100 mm, 1" BSP (M) connection, with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series standard, TWDE and Tapir, with 1000 l – IBC -tanks.

Art.no. **22073FE**

Suction tube in galvanized steel,  $\varnothing$  40 mm, length 1300 mm, 1" BSP (M) connection, with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series standard, TWDE and Tapir, with 1000 l – IBC -tanks.

Art.no. **31258**

Rubber suction hose SAE 100 R1 AT,  $\varnothing$  1", connections 1" BSP (F-F), length 1500 mm.



Art.no. **065420**  
Art.no. **065420-50**  
Art.no. **065420-55**

Art.no. **065421**

Art.no. **065420**

Plastic bung adapter for the fixation of pumps on drums, connection 2" BSP (M) x 40 mm.

Art.no. **065420-50**

Plastic bung adapter for the fixation of pumps on drums, connection 2" BSP (M) x 50 mm.

Art.no. **065420-55**

Plastic bung adapter for the fixation of pumps on drums, connection 2" BSP (M) x 55 mm for art. nos. 22060, 22077, 31264, 31238, 31244-L, 31247-L.

Art.no. **065421**

Plastic lock ring, 2", for bung adapter.



Art.no. **71459**

Hydraulic safety screw coupling assembly with 4 gaskets, suitable for the use in hydraulic suction and dispensing lines in combination with pneumatic oil pumps.

Ideal to prevent a potential risk of air suction in suction lines which are used continuously. Connection threads on coupling and connector 3/4" BSP (F), with enlarged internal circuit permitting an improved oil flow.



Art.no. **49650**

Connection adapter for 1000 l – IBC – tanks in PP,  $\varnothing$  70 mm, connection 1" BSP (M).



Pneumatic rotary gear pump for the transfer of low viscosity oil, antifreeze, diesel, water.

Stainless steel shaft and pump body, plastic gears and Viton® gaskets (Art. no. 31221), or brass gears and VITON® gaskets (Art. no. 31221OT) or brass gears and TEFLON gaskets (Art. no. 31221TEFLON)



Art. no.	Com. air supply	Outlet pressure	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
<b>31221OT</b>	4 bar	4 bar	10,5 l/min	3/8" BSP (F)	1.5 kg	165x160x80
<b>31221</b>						
<b>31221TEFLON</b>						

Electric gear pump for an intermittent use, for the transfer of low viscosity oil, antifreeze (A), diesel (D), water (W).

Protection category IP55. Pump body in brass, gears in bronze and pump shaft in stainless steel.

Electric cable and crocodile clamps not included.



Art. no.	Voltage	Current drain	Fluids	Flow rate	Outlet pressure	Connections	Weight	Dimensions (LxWxH) (mm)
<b>70624</b>	12 VDC	6 A	A - D - W	15 l/min	2 bar	3/8" BSP (F)	1.5 kg	165x160x80
<b>70625</b>		5 A	Oil	5.5 l/min	2 bar		2.5 kg	165x166x80
<b>70648</b>	24 VDC	3 A	A - D - W	15 l/min	2 bar		1.5 kg	165x160x80
<b>70627</b>	12 VDC	11 A	Oil	15 l/min	3 bar	1/2" BSP (F)	4.5 kg	180x230x83
<b>70628</b>	24 VDC	3 A	Oil	5.5 l/min	2 bar	3/8" BSP (F)	1.4 kg	165x166x80
<b>70629</b>		6 A	Oil	15 l/min	3 bar	1/2" BSP (F)	4.5 kg	180x230x83

Electric self-priming gear pump, for the supply of oil, antifreeze, diesel; guarantees a constant flow and a low noise level.

Pump body in stainless steel, gears in bronze and pump shaft in stainless steel.

Includes an adjustable bypass valve and 1.5 m - electric cable with crocodile clamps for battery connection.

Protection category IP 55.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
<b>70700</b>	12 VDC	240 W	30 A	3400	3 - 15 bar	10.5 l/min	1/2" BSP (M)	3.5 kg	260x130x140
<b>70710</b>	24 VDC		15 A						

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Electric self-priming gear pump, for the supply of oil, antifreeze, diesel; guarantees a constant flow and a low noise level.

Pump body in stainless steel, gears in bronze and pump shaft in stainless steel.

Includes an adjustable bypass valve and 1,5 m - electric cable with SCHUKO plug.

Protection category IP 55.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
<b>70895</b>	110 VAC - 60 Hz	550 W	8.7 A	3310	5 - 20 bar	10.5 l/min	1/2" BSP (M)	7.5 kg	240x290x180
<b>70894</b>	230 VAC - 50 Hz		3.8 A	2760					
<b>70896</b>	230/400 VAC - 50 Hz		2.8 A	2710					
	230/400 VAC - 60 Hz		2.4 A	3300					

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

Electric rotary pump, for the supply of oil, antifreeze, diesel, water for low pressure applications

Pump body in aluminium and NBR seals.



Art. no.	Voltage	Power	Outlet pressure	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
<b>70870</b>	230 VAC - 50 Hz	850 W (D) 920 W (O)	3,5 bar	30 l/min	3/4" BSP (F)	9 kg	380x280x200

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



## Art.no. 33250KIT

Electric oil dispensing kit composed of:

- Electric self-priming gear pump with brass gears art.no. 70894;
- Air separator device with pressure gauge for the check of the outlet oil pressure;
- Automatic device for motore shutdown in case of empty drum;
- Double pressure switch with electronic board for pump shutdown in case of dispensing gun release.

Complete with adjustable bypass valve and 1.5 m electric cable with SCHUKO plug.  
Protection category IP 55.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adj. range	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
<b>33250KIT</b>	230 VAC - 50 Hz	550 W	3.8 A	2760	5 - 20 bar	10 l/min	1/2" BSP (M)	13 kg	460x520x260

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



## Art.no. 33301KIT

Electric oil dispensing kit composed of:

- Electric self-priming gear pump with brass gears art.no. 70894;
- Air separator device with pressure gauge for the check of the outlet oil pressure;

Complete with adjustable by-pass valve and 1.5 m electric cable with SCHUKO plug.

Protection category IP 55.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adj. range	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
<b>33301KIT</b>	230 VAC - 50 Hz	550 W	3.8 A	2760	5 - 20 bar	10 l/min	1/2" BSP (M)	13 kg	460x520x260

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

Encased electric oil kit composed by:

- Electric, self-priming pump with body in stainless steel and brass gear;
- ON/OFF - switch;
- Control lights for function control;
- 1,5 m - electric cable with SCHUKO plug;
- Electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Adjustable bypass Bypass valve;
- Manometer for outlet pressure control;
- Pressure relief valve;
- Metal cabinet with wall-mounting bracket.

Protection category IP 55.

NOTE: Model 33820 requires the control panel art.no. 70960-2.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
<b>33810</b>	110 VAC - 60 Hz	550 W	3.8 A	3310	5 - 20 bar	10.5 l/min	1/2" BSP (M)	14 kg	300x260x480
<b>33840</b>					1 - 12 bar				
<b>33800</b>	230 VAC - 50 Hz			2760	5 - 20 bar				
<b>33830</b>					1 - 12 bar				
<b>33820</b>	380 VAC - 50 Hz				5 - 20 bar				

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Art.no. 70960-2  
380 VAC control panel for mod. 33820



Electric gear pump, self-priming, for the supply of oil under demanding conditions at medium pressure and with long pumping distances; guarantees a constant flow and delivery, even after long pumping distances or with simultaneous supplies.

Available with motors in 230 VAC, 400 VAC and 110 VAC. Models 70884 and 70885 are also available in the 60 Hz version (mod. **70884-60Hz** and mod. **70885-60Hz**)

Includes a bypass valve.

Electric cable with plug not included.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Flow rate	Connections IN - OUT	Weight	Dimensions (LxWxH) (mm)
<b>70882</b>	230/400 VAC - 50 Hz	2.2 kW	8 A	2870	28 bar	30 l/min	1" BSP (F) 1" BSP (F)	28 kg	450x180x250
<b>70884</b>	230 VAC - 50 Hz		14.6 A	1300				30 kg	
<b>70884-60Hz</b>	230 VAC - 60 Hz		14.6 A	1300					
<b>70885</b>	230/400 VAC - 50 Hz		9 A	1400					
<b>70885-60Hz</b>	230/400 VAC - 60 Hz		8.3 A	1680	10 bar	52 l/min	32 kg		
<b>70887</b>	230/400 VAC - 50 Hz		8 A	2870					

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Art.no. **70886**

Electric oil pump without motor.

Art.no. **70884KIT**

Electric pump art.no. 70884 complete with pump block system consisting of pressure switch, pressure accumulator, non-return valve, pressure gauge and connection fittings. The pump block system stops the pump motor when the maximum pressure set by the hydraulic circuit is reached, and then reactivates it when a new delivery is made, for example by activating the dispensing gun. The accumulator keeps the oil flow constant, thus avoiding continuous switching on and off that could damage the electric motor in the event of small deliveries or top-ups. Complete with by-pass valve calibrated at 28 bar, power cable not supplied.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Flow rate	Connections IN - OUT	Weight
<b>70884KIT</b>	230 VAC - 50 Hz	2.2 kW	14.6 A	1300	28 bar	30 l/min	1" BSP (M) 1" BSP (M)	33 kg

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Art.no. **70981**

Art.no. **70981**

Oil transfer kit as mod. 70884 KIT mounted inside a metal box and supplied complete with electrical panel.

Art.no. **70980**

Oil transfer kit as mod. 70981 but with pump art.no. 70887 flow rate 52 l/min and supplied complete with electrical panel.



Art.no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Flow rate	Connections IN - OUT	Weight	Dimensions (LxWxH) (mm)
<b>70981</b>	230 VAC - 50 Hz	2.2 kW	14,6 A	1300	28 bar	30 l/min	1" BSP (M) 1" BSP (M)	37 kg	600x500x300
<b>70980</b>	400 VAC - 50 Hz		10 A	2760	10 bar	52 l/min		39 kg	

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

Art.no. **70980**



## Art.no. 31280

Pneumatic double diaphragm pump, selfpriming up to 5 m suction lift, working also in dry running condition, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 3 mm size, body in PP, diaphragms in NBR + PTFE, balls in stainless steel, gaskets in EPDM, seats in PP. The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

## Art.no. 32240

Wall mounting bracket for pneumatic diaphragm pump.



EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
<b>31280</b>	20 l/min	5 m	2 - 8 bar	1/4" BSP (F)	3/8" BSP (F)	110 l/min	1.1 kg	146x93x164

## Art.no. 31285

Pneumatic double diaphragm pump, selfpriming up to 5 m suction lift, working also in dry running condition, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 3.5 mm size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, gaskets in Viton®, seats in aluminium. The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

## Art.no. 32250

Wall mounting bracket for pneumatic diaphragm pump.



EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
<b>31285</b>	55 l/min	5 m	2 - 8 bar	1/4" BSP (F)	1/2" BSP (F)	200 l/min	4 kg	234x156x245

## Art.no. 31290

## Art.no. 31295

Pneumatic double diaphragm pump, working also in dry running condition, selfpriming up to 5 m suction lift, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 4 mm (art.no. 31290) / 7,5 mm (art.no. 31295) size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, o-rings in Viton®, seats in aluminium. The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

## Art.no. 32250

Wall mounting bracket for pneumatic diaphragm pump art.no. 31290.

## Art.no. 32260

Wall mounting bracket for pneumatic diaphragm pump art.no. 31295.



EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
<b>31290</b>	100 l/min	5 m	2 - 8 bar	3/8" BSP (F)	3/4" BSP (F)	250 l/min	7 kg	265x175x245
<b>31295</b>	165 l/min			1/2" BSP (F)	1" BSP (F)	800 l/min	16 kg	370x222x364



Manual lever action drum pumps, available as single action or double action versions, made of carbon steel with components in aluminium and seals in Viton®.

Main fields of application: transfers and dispenses of small quantities of oil, diesel or antifreeze from drums.



Electronic flow meter art. no. 16205 with connection adapter for manual pumps, 1 m - outlet hose and rigid outlet with automatic anti-drip nozzle to be used with manual pumps with M 3/4" BSP connection.

Art. no.	50806	50800	50820	50840	50860	50870	50880	50860-SP
Flow rate	16 l/min	24 l/min	8 l/min	16 l/min	23 l/min	9 l/min	13,5 l/min	20 l/min
Flow rate/stroke	0.25 l	0.48 l	0.13 l	0.23 l	0.32 l	0.11 l	0.40 l	0.25 l
Connection lubricant outlet	3/4" BSP (M)				PTG 20 mm			
Length suction tube	1000 mm							
Dimensions LxWxH (mm)	80x80x1350				300x220x1070	100x100x944	120x120x1110	300x220x1070
Suitable for drums of	208 l							
Weight	2.3 kg	2.3 kg	2.2 kg	2.2 kg	3.8 kg	1.3 kg	2.2 kg	4., kg

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C -- free flow outlet

Manual oil dispensing units, consisting of a portable container with or without wheels and a lever action pump suitable for transfers and dispenses of small quantities of oil, in applications where no other power supply is available.



Art.no. **50400**

Portable oil dispensing unit, consisting of lever action oil pump, metal 16 l – container, 1.5 m – hose with curved rigid outlet pipe.

Art. no.	Flow rate	Flow rate/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
<b>50400</b>	8 l/min	0.13 l	16 l	7.3 kg	250x320x660



Art.no. **50450**

Mobile oil dispensing unit, consisting of lever action oil pump, metal 16 l – container, 1.5 m – hose with curved, rigid outlet pipe.

Art. no.	Flow rate	Flow rate/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
<b>50450</b>	8 l/min	0.13 l	16 l	10 kg	500x460x880



Art.no. **50846**

Mobile oil dispensing unit, consisting of lever action oil pump, metal 24 l – container with 2 wheels and level indicator, 1.5 m – hose with curved, rigid gear oil outlet pipe and anti-drip shut-off valve, particularly suitable for ATF – filling.

Art. no.	Flow rate	Flow rate/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
<b>50846</b>	8 l/min	0.13 l	24 l	12 kg	380x410x770



Art.no. **50458**

Wheeled barrel pump, 16L capacity, with digital flow meter and transparent hose.

Art. no.	Flow rate	Flow rate/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
<b>50458</b>	8 l/min	0.13 l	16 l	7.3 kg	500x460x880

Pneumatic oil dispensing units, consisting of a portable container with or without wheels that must be pressurized with compressed air, permitting an oil supply until the overpressure is carried to end. Suitable for transfers and dispenses of small quantities of oil.



Art.no. **50200**

Mobile oil dispensing unit, consisting of 24 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun, art. no. 14101, with rigid outlet and automatic anti-drip nozzle. Max pressure 7 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
<b>50200</b>	7 bar	24 l	9.8 kg	350x400x950



Art.no. **50225**

Mobile oil dispensing unit, consisting of 24 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun with electronic flow meter, art. no. 16200, with rigid outlet and automatic anti-drip nozzle. Max pressure 7 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
<b>50225</b>	7 bar	24 l	12 kg	350x400x950



Art.no. **50210**

Mobile oil dispensing unit, consisting of 40 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun, art. no. 14101, with rigid outlet and automatic anti-drip nozzle. Max pressure 5 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
<b>50210</b>	5 bar	40 l	18 kg	380x400x1010



Art.no. **50226**

Mobile oil dispensing unit, consisting of 40 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun with electronic flow meter, art. no. 16200, with rigid outlet and automatic anti-drip nozzle. Max pressure 5 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
<b>50226</b>	5 bar	40 l	18.5 kg	380x400x1010

Ø 1/2"

Art.no. 14100



Art.no. 14100

Oil control gun, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, connections 1/2" BSP (F), max flow 50 l/min, max pressure 70 bar.

Art.no. 14102



Art.no. 14102

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, flexible rubber outlet, Ø 1/2", with 80° stem and automatic anti-drip nozzle.

Art.no. 14103



Art.no. 14103

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, Ø16 mm rigid outlet and automatic anti-drip nozzle.

Art.no. 14104



Art.no. 14104

Oil control gun with 1/2" BSP (M) inlet swivel.

Art.no. 14105



Art.no. 14105

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, Ø12 mm curved rigid outlet and automatic anti-drip nozzle.

Art.no. 14106



Art.no. 14106

Control gun for pure **antifreeze** with **EPDM** seals, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, connections 1/2" BSP (F), max flow 50 l/min, max pressure 70 bar.

Art.no. 14107



Art.no. 14107

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, flexible rubber outlet, Ø 1/2", with 80° stem and manual anti-drip nozzle.

Art.no. 14108



Art.no. 14108

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, flexible rubber outlet Ø1/2" with 80° stem, oil flow transparent viewer and automatic anti-drip nozzle.

Art.no. 14109



Art.no. 14109

Control gun for pure **antifreeze**, with **VITON®** seals, 1/2" BSP (M) inlet swivel, flexible rubber outlet Ø1/2" with 80° stem, and manual anti-drip nozzle.

Art.no. 14110



Art.no. 14110

Control gun for pure **antifreeze**, body in anodized aluminium, **VITON®** seals, impact resistant, with trigger guard, cartridge filter, connections 1/2" BSP (F), max flow 50 l/min, max pressure 70 bar.

Art.no. 14101  
Art.no. 14112



Art.no. 14101

Oil control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, rigid outlet, Ø 12 mm and automatic anti-drip nozzle.

Art.no. 14116



Art.no. 14112

**Antifreeze** control gun, based on art. no. 14100, with 1/2" BSP (M) inlet swivel, rigid outlet, Ø 12 mm and automatic anti-drip nozzle, **VITON®** seals.

Art.no. 14114



Art.no. 14116

Oil control gun, based on art.no. 14101, but equipped with combined manual/automatic anti-drip nozzle, art.no. 14261.

Art.no. 14114

Oil control gun, based on art.no. 14102, but equipped with combined manual/automatic anti-drip nozzle, art.no. 14261.

Ø 3/4"

Art.no. **14150**



Art.no. **14150**

Oil control gun, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, connections 3/4" BSP (F), max. flow 100 l/min., max. pressure 70 bar.

Art.no. **14151**



Art.no. **14151**

Oil control gun, based on art.no. 14150, with 3/4" BSP (M) inlet swivel, rigid outlet, Ø 3/4", without automatic anti-drip nozzle.

Art.no. **14152**



Art.no. **14152**

Oil control gun, based on art.no. 14150, with 3/4" BSP (M) inlet swivel, rigid outlet, Ø 3/4", and automatic anti-drip nozzle.

Art.no. **14153**



Art.no. **14153**

Oil control gun, based on art.no. 14150, with 3/4" BSP (M) inlet swivel, flexible rubber outlet, Ø 3/4", and automatic anti-drip nozzle.

Ø 1"

Art.no. **14300**



Art.no. **14300**

High delivery oil control gun, body in anodized aluminium, impact resistant, connections 1" BSP (F), max. flow 150 l/min., max. pressure 100 bar.

Art.no. **14300-A**

High delivery control gun for **antifreeze**, based on art.no. 14300, with **VITON®** seals.

Art.no. **14315**



Art.no. **14315**

High delivery oil control gun, based on art.no. 14300, with 1" BSP (M) inlet swivel, flexible rubber outlet, Ø 1", with connections 1" BSP (M) and automatic anti-drip nozzle.

Art.no. **14315-A**

High delivery control gun for **antifreeze**, based on art.no. 14315, with **VITON®** seals.

Art.no. **14310**



Art.no. **14310**

High delivery oil control gun, based on art.no. 14300, with 1" BSP (M) inlet swivel, rigid outlet, Ø 20 mm, and automatic anti-drip nozzle.

Art.no. **14310-A**

High delivery control gun for **antifreeze**, based on art.no. 14310, with **VITON®** seals.



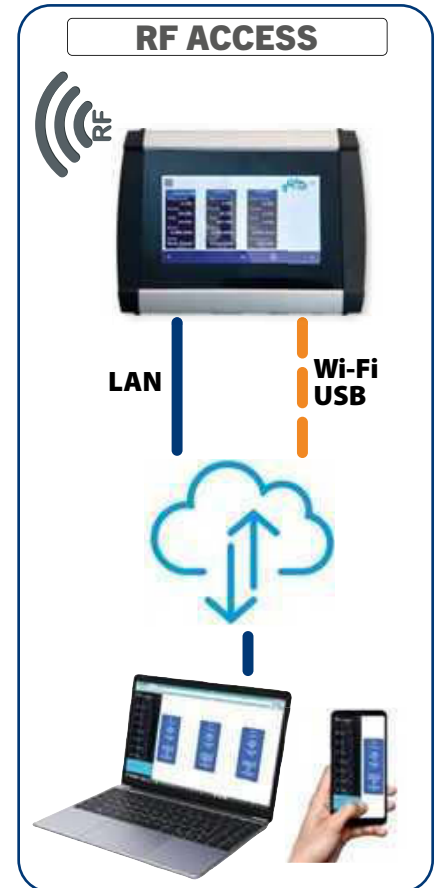
OMPI expands its range of electronic oil flow meters with 2 and 4-button new lines: 2TT and 4TT.

All models have been redesigned with a new generation hardware board and have been structurally improved to facilitate some operations such as battery replacement and easier reading thanks to the larger display.

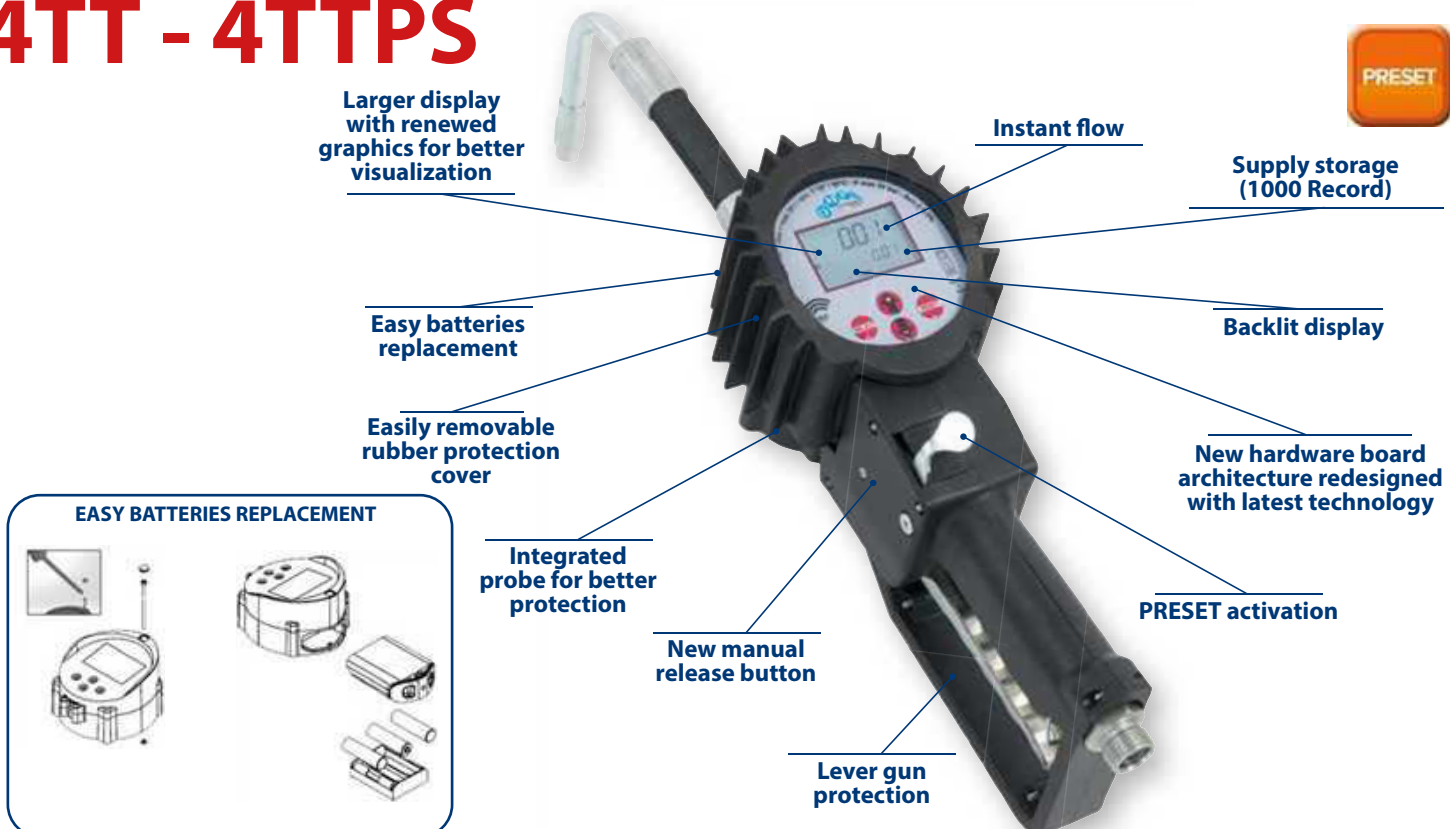
The models are available in two versions: with and without preset function.

The preset function allows to predetermine the quantity to be dispensed. All models are available with the option of radio frequency data transmission to be used in combination with RF ACCESS.

## 2TT



## 4TT - 4TTPS



## 2TT



Art.no. **16200**  
Oil  
Art.no. **16201**  
Antifreeze

Art.no. **16202**  
Oil  
Art.no. **16202-A**  
Antifreeze

Art.no. **16204**  
Oil

Art.no. **16203**  
Oil

Art.no. **16205**  
Oil  
Art.no. **16205-A**  
Antifreeze

The **new electronic flow meter series 2TT NEPTUNE** features the following characteristics:

- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component.
- The flow meter allows to display four different measurement results:
  - 1) the quantity of each individual fluid dispense: single operation measurement (resettable),
  - 2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
  - 3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable)
  - 4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable)
- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries through a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.

### Art.no. **16200**

Electronic oval gears flow meter for **oil**, series **NEPTUNE**, with control gun, rubber protection guard, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

### Art.no. **16201**

Electronic oval gears flow meter for **antifreeze**, series **NEPTUNE**, with control gun, rubber protection guard, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

### Art.no. **16202**

Electronic oval gears flow meter for **oil**, series **NEPTUNE**, with control gun, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

### Art.no. **16202-A**

Electronic oval gears flow meter for **antifreeze**, series **NEPTUNE**, with control gun, rubber protection guard, trigger guard, flexible rubber hose with 90° bended rigid outlet and manual anti-drip nozzle.

### Art.no. **16203**

Electronic oval gears flow meter for **antifreeze**, series **NEPTUNE**, with control gun, rubber protection guard, trigger guard, rigid outlet Ø 16 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

### Art.no. **16204**

Electronic oval gears flow meter for **oil**, series **NEPTUNE**, with control gun, rubber protection guard, trigger guard, flexible rubber hose with 90° bended rigid outlet and automatic anti-drip nozzle.

### Art.no. **16205**

Electronic oval gears flow meter for **oil**, series **NEPTUNE**, suitable for inline applications, connections 1/2" BSP (F).

### Art.no. **16205-A**

Electronic oval gears flow meter for **antifreeze**, series **NEPTUNE**, for inline uses.

Art. no.	16200	16201	16202 16202-A	16203	16204	16205 16205-A
Connections	M 1/2" BSP					F 1/2" BSP
Flow range	1 - 20 l/min					
Operating temperature range	+ 5°C / + 50°C					
Max working pressure	70 bar (1015 psi)					
Accuracy	± 0,5%					
Total max resettable	99999 l					
Total max non resettable	99999 l					
Voltage	3 x 1,5 V					
Weight	1,4 kg					0,83 kg

Not approved for fiscal transactions.



Ø 1/2"

## 4TT

oil



Art.no. **16300**  
Art.no. **16300-RF**  
Oil



Art.no. **16302**  
Art.no. **16302-RF**  
Oil



Art.no. **16305**  
Art.no. **16305-RF**  
Oil

Art. no.	16300 16300-RF	16301 16301-RF	16302 16302-RF	16305 16305-RF
Connections	M 1/2" BSP			F 1/2" BSP
Flow range	1 - 20 l/min			
Operating temperature range	+ 5°C / + 50°C			
Max working pressure	70 bar (1015 psi)			
Accuracy	± 0,5%			
Total max resettable	99999 l			
Total max non resettable	99999 l			
Voltage	3 x 1,5 V			
Weight	1,4 kg			0,60 kg

Not approved for fiscal transactions.

The **new electronic flow meter series 4TT** features the following characteristics:

- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component;
- the flow meter allows to display five different measurement results:
  - 1) the quantity of each individual fluid dispense: single operation measurement (resettable),
  - 2) **FLOW**: It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
  - 3) **TRIP**: the quantity of a sum of dispenses: partial totalizer (resettable),
  - 4) **TOTAL**: the total of all dispenses ever made: absolute totalizer (not resettable),
  - 5) **MEMORY**: traceability of operations up to 1,000 records with indication of the unit of measurement, date and time in which the delivery was performed.
- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries through a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.

Art.no. **16300**

Electronic oval gears flow meter for **oil**, series **MARS**, with control gun, rubber protection guard, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16301**

Electronic oval gears flow meter for **antifreeze**, series **MARS**, with control gun, rubber protection guard, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16302**

Electronic oval gears flow meter for **oil**, series **MARS**, with control gun, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16305**

Electronic oval gears flow meter for **oil**, series **MARS**, suitable for inline applications, connections 1/2" BSP (F).



**The flow meters of series JUPITER are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the OMPI TOUCH control unit.**

Art.no. **16300-RF**

Electronic oval gears flow meter for **oil**, series **JUPITER**, with control gun, rubber protection guard, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16301-RF**

Electronic oval gears flow meter for **antifreeze**, series **JUPITER**, with control gun, rubber protection guard, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16302-RF**

Electronic oval gears flow meter for **oil**, series **JUPITER**, with control gun, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **16305-RF**

Electronic oval gears flow meter for **oil**, series **JUPITER**, suitable for inline applications, connections 1/2" BSP (F).



## 4TTPS



Art.no. **16100**  
Art.no. **16100-RF**  
Oil

Art.no. **16110**  
Art.no. **16110-RF**  
Antifreeze

Art.no. **16120**  
Art.no. **16120-RF**  
Oil

Art.no. **16130**  
Art.no. **16130-RF**  
Oil

The **new electronic flow meter series 4TTPS** features the following characteristics:

- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component.
- The flow meter allows to display six different measurement results:
  - 1) the quantity of each individual fluid dispense: single operation measurement (resettable),
  - 2) **FLOW**: It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
  - 3) **TRIP**: the quantity of a sum of dispenses: partial totalizer (resettable)
  - 4) **TOTAL**: the total of all dispenses ever made: absolute totalizer (not resettable)
  - 5) **MEMORY**: traceability of operations up to 1,000 records with indication of the unit of measurement, date and time in which the delivery was performed.
  - 6) **PSET**: preselection of the quantity to be dispensed.
- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries through a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.

### Art.no. **16100**

Electronic oval gears preset flow meter for **oil**, series **MERCURY**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

### Art.no. **16110**

Electronic oval gears preset flow meter for **antifreeze**, series **MERCURY**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, manual anti-drip nozzle and inlet swivel 1/2" BSP (M).

### Art.no. **16120**

Electronic oval gears preset flow meter for **oil**, series **MERCURY**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

### Art.no. **16130**

Electronic oval gears preset flow meter for oil, series **MERCURY**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 16 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

**The flow meters of series URANUS are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the RF CONNECT control unit.**

### Art.no. **16100-RF**

Electronic oval gears preset flow meter for **oil**, series **URANUS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

### Art.no. **16110-RF**

Electronic oval gears preset flow meter for **antifreeze**, series **URANUS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, manual anti-drip nozzle and inlet swivel 1/2" BSP (M).

### Art.no. **16120-RF**

Electronic oval gears preset flow meter for **oil**, series **URANUS**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

### Art.no. **16130-RF**

Electronic oval gears preset flow meter for **oil**, series **URANUS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 16 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art. no.	<b>16100</b> <b>16100-RF</b>	<b>16110</b> <b>16110-RF</b>	<b>16120</b> <b>16120-RF</b>	<b>16130</b> <b>16130-RF</b>
Connections	M 1/2" BSP			
Flow range	1 - 20 l/min			
Operating temperature range	+ 5°C / + 50°C			
Max working pressure	50 bar (725 psi)			
Accuracy	± 0,5%			
Total max resettable	99999 l			
Total max non resettable	99999 l			
Voltage	3 x 1,5 V			
Weight	2 kg			

Not approved for fiscal transactions.



Art.no. 15500

Art.no. 15500

Electronic oval gears high delivery flow meter for oil, **series Oil Neptune HFlow**, with control gun Ø 3/4", trigger guard, rigid outlet, automatic anti-drip nozzle and 3/4" BSP (M) inlet swivel.

This high volume series allows to accelerate the oil supplies by the use of a flow meter that guarantees high accuracy measurement even at high flow rates.

Art.no. 3105.0028

Rubber protection guard, suitable for flow meters of high delivery series "Oil HFlow". Provides a good protection against any shocks.



Art.no. 15550

Art.no. 15550

Electronic oval gears high delivery flow meter for oil, **series Oil Neptune HFlow**, with control gun Ø 3/4", trigger guard, cartridge filter, flexible rubber outlet Ø 3/4", automatic anti-drip nozzle and 3/4" BSP (M) inlet swivel.

Art.no.	15500	15550
Connections	M 3/4" BSP	
Flow range	10 - 90 l/min	
Operating temperature range	+ 5°C / + 50°C	
Max working pressure	70 bar (1015 psi)	
Accuracy	± 1%	
Total max resettable	9999 l	
Total max non resettable	9999 l	
Voltage	3 x 1,5 V	
Weight	3,7 kg	

Not approved for fiscal transactions.



Ø 1"

Ø 1" 1/4

Art.no. **72740**

Electronic oval gears high delivery flow meter for oil, **series Oil Neptune HFlow**, with control gun Ø 1", trigger guard, rigid outlet Ø 20 mm, automatic anti-drip nozzle and 1" BSP (M) inlet swivel.

This high volume series allows to accelerate the oil supplies by the use of a flow meter that guarantees high accuracy measurement even at high flow rates.

oil



Art.no. **72730**  
Art.no. **72735**

Art.no. **72730**

Electronic oval gears high delivery flow meter for oil, **series Oil Neptune HFlow**, suitable for inline applications, connections 1" BSP (F).

Art.no. **72735**

Electronic oval gears high delivery flow meter for oil, **series Oil Neptune HFlow**, suitable for inline applications, connections 1" 1/4 BSP (F).

Art.no. **72745**

Electronic oval gears high delivery flow meter for oil, **series Oil Neptune HFlow**, with control gun Ø 1", trigger guard, cartridge filter, flexible rubber outlet Ø 1", automatic anti-drip nozzle and 1" BSP (M) inlet swivel.

Art.no.	72730	72735	72740	72745
Connections	F 1" BSP	F 1" 1/4 BSP	M 1" BSP	
Flow range	20 - 100 l/min	20 - 150 l/min	20 - 100 l/min	
Operating temperature range	+ 5°C / + 50°C			
Max working pressure	40 bar (580 psi)		100 bar (1450 psi)	
Accuracy	± 1%			
Total max resettable	9999 l			
Total max non resettable	9999 l			
Voltage	3 x 1,5 V			
Weight	1,6 kg	1,8 kg	3,9 kg	

Not approved for fiscal transactions.

Art.no. **15863**

Mechanical oval gears flow meter, with body in aluminium, for oil and antifreeze, with two totalizers suitable for inline applications.

Art.no. **15867**

Mechanical oval gears flow meter for oil, with control gun.



Art.no. **15863**

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
<b>15863</b>	1/2" BSP (F)	15	0°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	999.9 l	999999 l	0.68 Kg
<b>15867</b>	1/2" BSP (M)							1.1 Kg

AArt.no. **15865**

Mechanical, analogical flow meter for oil and antifreeze, with control gun, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
<b>15865</b>	1/2" BSP (M)	15	+10°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	0-10 l	9999 l	1.6 Kg

Art.no. **15870**

Mechanical, analogical preset flow meter for oil, with integrated control gun, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M). Preset values 0 – 60 l.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
<b>15870</b>	1/2" BSP (M)	15 l/min	+10°C / +50°C	50 bar (725 psi)	+ / - 0.5%	0-16 l 0-60 l	9999 l	1.6 Kg

Art.no. **16850**

Digital flow meter for oil **series Oil Neptune**, suitable for in-line use. Connections 1/4" BSP

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
<b>16850</b>	1/4" BSP (F)	0.2 - 2 l/min	+10°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	0-10 l	9999 l	1.6 Kg

Art.no. **15950**

Electronic oval gears flow meter for oil **series BLC**, with control gun with trigger guard, rubber protection guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **15951**

Electronic oval gears flow meter for **antifreeze, series BLC**, with control gun with trigger guard, rubber protection guard, rigid outlet ø 12 mm, manual anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **15952**

Electronic oval gears flow meter for oil, **series BLC**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art. no.	<b>15950</b>	<b>15951</b>	<b>15952</b>
Connections	1/2" BSP (M)		
Flow range	1 - 20 l/min		
Operating temperature range	+ 10°C / + 50°C		
Max working pressure	70 bar (1015 psi)		
Accuracy	+/- 0.5%		
Total max resettable	9999 l		
Total max non- resettable	9999 l		
Voltage	3x1,5 V		
Weight	1.5 kg		

Not approved for fiscal transactions.



Art.no. **14256**  
Automatic anti-drip nozzle  $\varnothing$  18 mm.  
Connection F 3/8" BSP.



Art.no. **14234**  
Manual anti-drip nozzle with screw shut-off  $\varnothing$  14 mm.  
Connection F - M12x1 mm.



Art.no. **14238**  
Manual anti-drip nozzle with screw shut-off  $\varnothing$  14 mm.  
Connection M - M12x1 mm.



Art.no. **14255**  
Automatic anti-drip nozzle,  $\varnothing$  12 mm - length 34 mm.  
Connection M10x1 (F).



Art.no. **14254**  
Manual anti-drip nozzle  $\varnothing$  12.5 mm.  
Connection M10x1 (F).



Art.no. **14350**  
Automatic anti-drip nozzle  $\varnothing$  29 mm, suitable for high delivery oil control guns.  
Connection 1" BSP (F).

Art.no. **14350-A**  
Automatic anti-drip nozzle  $\varnothing$  29 mm for oil and antifreeze with VITON® seals.  
Connection F 1" BSP.



Art.no. **14160**  
Automatic anti-drip nozzle  $\varnothing$  20 mm.  
Connection F 3/4" BSP.



Art.no. **14261**  
Manual anti-drip nozzle with tap  $\varnothing$  12.5 mm.  
Connection M10x1 (F).



**Art.no. 14208**

Straight flexible rubber outlet, length 300 mm, with manual anti-drip nozzle with screw regulation. Connection 1/2" BSP (M).

**Art.no. 14216**

Curved rigid outlet, Ø 12 mm, 1/2" BSP (M), with automatic anti-drip nozzle.

**Art.no. 14220**

Standard rigid outlet, Ø 12 mm, 1/2" BSP (M), with automatic anti-drip nozzle.

**Art.no. 14230**

Standard rigid outlet, Ø 16 mm, 1/2" BSP (M), with automatic anti-drip nozzle.

**Art.no. 14209**

Flexible rubber outlet, Ø 1/2", with curved rigid 80° stem and automatic anti-drip nozzle. Connection 1/2" BSP (M).

**Art.no. 14219**

Flexible rubber outlet, Ø 1/2", with curved rigid 80° stem and combined manual/automatic anti-drip nozzle, art.no. 14261. Connection 1/2" BSP (M).

**Art.no. 14240**

Inline oil flow control tube, with transparent insert.

**Art.no. 14210**

Flexible rubber outlet, Ø 1/2", with curved rigid 80° stem and manual anti-drip nozzle. Connection 1/2" BSP (M).

**Art.no. 14211**

Flexible rubber outlet, Ø 1/2", with curved rigid 80° stem and manual anti-drip nozzle with screw shut-off. Connection M 1/2" BSP.

**Art.no. 14218**

Standard rigid outlet, Ø 12 mm, 1/2" BSP (M), with manual anti-drip nozzle.

**Art.no. 14222**

Standard rigid outlet, Ø 12 mm, 1/2" BSP (M), with combined manual/automatic anti-drip nozzle.



Art.no. 14253

**Art.no. 14253**

Inlet swivel, in galvanized steel, connections 1/2" BSP (M), max static pressure 200 bar.

**Art.no. 14253-NPT**

Inlet swivel, in galvanized steel, connections 1/2" BSP -NPT (M), max static pressure 200 bar.

**Art.no. 14253-A**

Inlet swivel for antifreeze, in brass, connections 1/2" BSP (M), max static pressure 200 bar.



Art.no. 14225



Art.no. 14252

**Art.no. 14225**

Adapter for 12 mm Ø extension – Connection 1/2" BSP (M).

**Art.no. 14252**

Adapter for 16 mm Ø extension – Connection 1/2" BSP (M).



**Art.no. 3105.0028**

Rubber bumper protector for flow meters. Provides greater safety thanks to little flaps that allow better shock absorption.

## Art.no. 71080

Electronic oval gears flow meter with pulse transmitter, suitable for oil, diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket.

Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.



Art.no. 71081 Electronic oval gears flow meter with pulse transmitter, such as art. no. 71080, for grease.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
<b>71080</b>	1/2" BSP (F)	20 l/min	+5°C / +80°C	100 bar (1450 psi)	+ / - 0,5%	95/l	1.5 kg	120X120X160
<b>71081</b>				250 bar (3626 psi)				

## Art.no. 71090

Electronic oval gears flow meter with pulse transmitter, suitable for oil, diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 105 µm cartridge filter and a wall bracket.

Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
<b>71090</b>	1" BSP (F)	30 l/min	+5°C / +80°C	250 bar (3626 psi)	+ / - 0.5%	50/l	2.5 kg	120X120X175

## Art.no. 71085

Electronic oval gears flow meter with pulse transmitter, body in Arnite, including a stainless steel 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket. Suitable for the use with water-based fluids and AdBlue® (DEF).

Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
<b>71085</b>	1/2" BSP (F)	10 l/min	+5°C / +80°C	10 bar (145 psi)	+ / - 0.5%	95/l	1.5 kg	120X120X160



## Art.no. 71075

Electronic oval gears flow meter with pulse transmitter, body in IXEF®, including a stainless steel 24 VDC - solenoid valve. Suitable for the use with water-based fluids and AdBlue® (DEF). Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight
<b>71075</b>	1/2" BSP (M)	35 l/min	+5°C / +70°C	30 bar (435 psi)	+ / - 0.5%	78/l	0.6 kg

## Art.no. 71061

Electronic oval gears flow meter with pulse transmitter, suitable for oil and antifreeze. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.



## Art.no. 71070

Electronic oval gears flow meter with pulse transmitter, body in IXEF®. Suitable for the use with water-based fluids and AdBlue® (DEF).

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight
<b>71061</b>	1/2" BSP (M)	20 l/min	+5°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	78/l	0.6 Kg
<b>71070</b>				5 bar (72 psi)			0.4 Kg

## Art.no. 71063

Electronic oval gears high delivery flow meter with pulse transmitter, suitable for oil, diesel and antifreeze. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight
<b>71063</b>	1" BSP (F)	70 l/min	+ 5°C / +50°C	50 bar (725 psi)	+ / - 0.5%	39/l	1.6 kg



Art.no. **50606**

Wall-mounted dispensing bar, suitable for oil and antifreeze, equipped with 1 spring operated spigot with splash guard filter and drain valve for drip tray. Inlet connections 3/4" BSP (F). The unit is prepared for the installation of 2 more spigots.

Optional: Plastic or tin plate measures (see page 63) available as accessories on request.

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>50606</b>	11 kg	500x300x500

Art.no. **40450**

Spring operated spigot, in galvanized steel, with splash guard filter, max pressure 24 bar, for the use with oil and antifreeze.



Art.no. **50601**

Wall-mounted dispensing bar for oil, equipped with: pneumatic rotary gear pump art.no. 31221OT with wall bracket, suction hose, digital flow meter, spring operated spigot.

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>50601</b>	13 kg	500x300x600

Art.no. **50607**

Wall-mounted oil/antifreeze dispensing unit equipped with 3 lever taps with automatic non-drip function. 3/4" BSP fittings (F). Cans optional.

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>50607</b>	11 kg	500x300x500



Art.no. **49721**

Oil dispensing kit, suitable for the dispensing of 2 oil types from 208 l – drums, with spill containment pallet, consisting of:

- Tank Service Base for 2 drums of 208 l, art. no. 49730, with metal mounting rack;
- 2 pcs. of pneumatic 1:1 – oil pumps, art. no. 31237;
- 2 pcs. of suction tube with bung adapters for drums, art. no. 22071FE;
- 2 pcs. of suction hoses for connection pump – suction tube, art. no. 31258;
- 1 pc. of wall-mounted dispensing bar, art. no. 50606, equipped with 2 spigots, art. no. 40450;
- 2 pcs. of pressure regulators and air filter with moisture separator, art. no. 40360;
- 2 pcs. of connection hoses for the connection of pump and dispensing bar.

## OPTIONAL

Plastic or tin plate measures (see page 63) available as accessories on request.



Art.no. **51390 OIL TEST** – Sample recovery pump

Packs of 10 pieces

This device is used for taking samples of oil from machines or mechanical systems by drawing it out with the included suction pump into a small HDPE bottle (included) which then can be sent to a laboratory for analyzing its quality.

Art.no. **51390-F**

Packs of 10 pieces

Small HDPE bottle with connection adapter.

Capacity: 250 ml

Packing dimensions: 270x160x130 mm.



Art.no. **51302**

Art.no. **51300**

Packs of 10 pieces

Suction gun, single acting, capacity 800 ml, Ø tube 57 mm, with flexible outlet. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art.no. **51301**

Art.nos. **51240 - 51340**

Packs of 10 pieces

Art.no. **51340**

Suction gun, in brass, single acting, Ø tube 50 mm, with straight rigid outlet. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art.no. **51240**

Art.no. 51240 capacity 500 ml

Art.no. 51340 capacity 1000 ml

Art.no. **51300**

Art.nos. **51301 - 51302**

Packs of 10 pieces

Suction gun, in aluminium, double acting, Ø tube 55 mm, with two plastic hoses for suction and discharge. Suitable for the use with oil, fuel, petrol, antifreeze and windshield washer fluid.

Art.no. 51301 capacity 500 ml

Art.no. 51302 capacity 1000 ml



Art.nos. **51303 - 51304**

Packs of 10 pieces

Suction gun, single acting, with transparent, graduated plastic tube, plastic hose and metal outlet pipe. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art.no. 51303 capacity 500 ml

Art.no. 51304 capacity 1000 ml



Art.no. **51104**

Packs of 10 pieces

Funnel, in polyethylene, with flexible plastic spout and integrated filter, oil- and acid-resistant, Ø 180 mm, with protection cover and cap on flexible spout.

Art.no. **51106**

Packs of 10 pieces

Funnel, in polyethylene, with flexible plastic spout and integrated filter, oil- and acid-resistant, Ø 220 mm, with protection cover and cap on flexible spout.

Art.no. **51107**

Packs of 10 pieces

Metal funnel, Ø 170 mm, capacity 1,3 l, with plastic spout and detachable brass strainer.



Measuring jug, in high density polyethylene, with funnel type outlet and flexible extension.

Art.no. **50977** capacity 1 l **Packs of 5 pieces**

Art.no. **50975** capacity 2 l **Packs of 5 pieces**

Art.no. **50978** capacity 3 l **Packs of 5 pieces**

Art.no. **50979** capacity 5 l **Packs of 5 pieces**



Transparent measuring jug, in oil and acid resistant polyethylene, stackable and unbreakable. Temperature range: -10° C +120°C.

Art.no. **50960** capacity 0.25 l - scale graduation 5 ml **Packs of 5 pieces**

Art.no. **50961** capacity 0.50 l - scale graduation 10 ml **Packs of 5 pieces**

Art.no. **50962** capacity 1 l - scale graduation 10 ml **Packs of 5 pieces**

Art.no. **50963** capacity 2 l - scale graduation 20 ml **Packs of 5 pieces**

Art.no. **50964** capacity 3 l - scale graduation 50 ml **Packs of 5 pieces**

Art.no. **50965** capacity 5 l - scale graduation 100 ml **Packs of 5 pieces**



Measuring jug, in high density polyethylene, with funnel type outlet, flexible extension with cap, protection cover. Suitable for the use with oil, fuel, antifreeze, windshield washer fluid, break fluid, battery fluid.

Art.no. **50972** capacity 1 l **Packs of 5 pieces**

Art.no. **50973** capacity 2 l **Packs of 5 pieces**

Art.no. **50976** capacity 5 l **Packs of 5 pieces**



Art.no. **50966**

Art.no. **50967**

Art.no. **50968**

Measuring jug, tin-plate, suitable for the use with oil, fuel and antifreeze.

With rigid, plastic discharge spout:

Art.no. **50966** capacity 0.5 l **Packs of 5 pieces**

Art.no. **50967** capacity 1 l **Packs of 5 pieces**

Art.no. **50968** capacity 2 l **Packs of 5 pieces**



Art.no. **50969**

Art.no. **50970**

With flexible metal discharge spout:

Art.no. **50969** capacity 1 l **Packs of 5 pieces**

Art.no. **50970** capacity 2 l **Packs of 5 pieces**



Art.no. **31236**

Stationary pneumatic oil dispensing kit for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 3 m - rubber hose Ø 1/2", art. no. 31003;
- Oil control gun with 1/2" BSP (M) inlet swivel, rigid outlet and automatic anti-drip nozzle, art. no. 14101;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



Art.no. **31856**

Stationary pneumatic oil dispensing kit with electronic oil flow meter, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 3 m - rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



Art.no. **35236**

Stationary pneumatic oil dispensing kit for 208 l - drums, consisting of:

- Pneumatic double acting 5:1 - oil pump, art. no. 31235;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 3 m - rubber hose Ø 1/2", art. no. 31003;
- Oil control gun with 1/2" BSP (M) inlet swivel, rigid outlet and automatic anti-drip nozzle, art.no. 14101;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



Art.no. **35856**

Stationary pneumatic oil dispensing kit with electronic oil flow meter, for 208 l - drums, consisting of:

- Pneumatic double acting 5:1 - oil pump, art. no. 31235;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 3 m - rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



## Kit 31240KIT

Stationary pneumatic oil dispensing kit, for 208 l - drums, consisting of:

- Pneumatic simple acting 5:1 - oil pump, art. no. 31250;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Open hose reel, standard series, art. no. 37115;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 2 m – rubber connection hose Ø 1/2", art. no. 31002;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

## OPTIONAL

- Wall mounted gun holder with drip tray, art. no. 50605;
- Pivoting wall bracket for hose reel, art. no. 39535 (only suitable for single installations);
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number.

## Kit 31260KIT

Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Open hose reel, adjustable arms series, art. no. 37115B;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 2 m – rubber connection hose Ø 1/2", art. no. 31002;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

## OPTIONAL

- Wall mounted gun holder with drip tray, art. no. 50605;
- Pivoting wall bracket for hose reel, art. no. 39535 (only suitable for single installations);
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number.

oil



## Kit 31250KIT

Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:

- Pneumatic simple acting 5:1 - oil pump, art. no. 31250;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Enclosed hose reel, art. no. 35300;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 2 m – rubber connection hose Ø 1/2", art. no. 31002;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

## OPTIONAL

- Wall mounted gun holder with drip tray, art. no. 50605
- Pivoting wall bracket for hose reel, art. no. 39507 (only suitable for single installations)
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number.

## Kit 31270KIT

Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:

- 3 pcs. of pneumatic double acting 3:1 - oil pumps, art. no. 31233;
- 3 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 065420;
- 3 pcs. of enclosed hose reels, art. no. 35300;
- 3 pcs. of 15 m – rubber hoses 1/2", art. no. 31015;
- 1 pc. of 3 m – rubber connection hose 1/2", art. no. 31003;
- 1 pc. of 4 m – rubber connection hose 1/2", art. no. 31004;
- 1 pc. of 5 m – rubber connection hose 1/2", art. no. 31005;
- 3 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- 3 pcs. of wall mounted gun holders with drip tray, art. no. 50605;
- 3 pcs. of pressure regulators and air filters with moisture separators, art. no. 40360
- 4 pcs. of plastic casing elements for hose reel battery, art. nos. 35310, 35320, 35330;
- 1 pc. of mounting panels for hose reels, art. no. 49717;
- 3 pcs. metal counter brackets with fixing screws art. no. 35340.

## OPTIONAL

- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!



Art.no. **50460**

Oil dispensing unit for 60L drums, composed of:

- Hand-operated pump, art.no. 50806
- Trolley for 60L drums, art.no. 80722.



Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>50460</b>	29 Kg	630x200x640

Art.no. **31365**

Mobile pneumatic oil dispensing kit with electronic oil flow meter, for 60 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31234;
- Trolley with 4 wheels, art. no. 80722;
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Oil control gun with 1/2" BSP (M) inlet swivel, rigid outlet and automatic anti-drip nozzle, art.no. 14101;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>31365</b>	29 Kg	600x600x1050

## Art.no. 31370

Mobile pneumatic oil dispensing kit with electronic oil flow meter, for 60 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31234;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Trolley with 4 wheels, art. no. 80722;
- 3 m - rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>31370</b>	29 Kg	600x600x1050

## Art.no. 31480

Mobile pneumatic oil dispensing kit with standard trolley, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Trolley with 4 wheels, art. no. 80785;
- 3 m - rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360.



## Art.no. 31481

Mobile pneumatic oil dispensing kit, such as art. no. 31480, but with oil control gun, art. no. 14101.



Art.no. 31481

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>31480</b>	32 Kg	900x830x1400
<b>31481</b>	30.5 Kg	900x830x1400

## Art.no. 80794

Mobile pneumatic oil dispensing kit, for 208 l – drums, with heavy duty trolley equipped with heavy duty wheels suitable also for the use on rough surfaces, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Heavy duty trolley with 4 wheels and grate, art. no. 80792;
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator, air filter with moisture separator and lubricator, art. no. 40300.



Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>80794</b>	42 Kg	790x900x1400

## Art.no. 80793

Mobile pneumatic oil dispensing kit, for 208 l – drums, with hose reel and heavy duty trolley equipped with heavy duty wheels suitable also for the use on rough surfaces, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Heavy duty trolley with 4 wheels and grate, art. no. 80792;
- Open hose reel, art. no. 37115;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 1 m – rubber connection hose Ø 1/2", art. no. 31001;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator, air filter with moisture separator and lubricator, art. no. 40300.



**Optional accessory:** hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number.

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>80793</b>	86 Kg	790x900x1400





## Art.no. 50924

Air-operated oil dispensing unit on wheeled 65L tank, complete with level indicator. The unit is composed of:

- Pneumatic double acting 3:1 - oil pump, art. no. 31234 ;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 4-wheeled tank with 65L capacity
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

## Art.no. 50928

Unit based on art.no. 50924 with 80L capacity tank.

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>50924</b>	30 Kg	570x480x1040
<b>50928</b>	40 Kg	570x480x1140

## Art.no. 49740CA Art.no. 49750CA

Mobile spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of 208 l - drums, for the mobile lubricant supply. Equipped with 4 castors with brake as well as with tubular frame handle for a convenient transport even in areas of reduced space.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
<b>49740CA</b>	1 drum 208 l	209 l	65 kg	850x850x1170
<b>49750CA</b>	2 drums 208 l	234 l	83 kg	1250x850x1170



Art.no. **49724**

Mobile pneumatic oil dispensing kit for 208 l - drums, consisting of:

- Mobile spill containment pallet in painted steel, with grate in galvanized steel, equipped with 4 castors with brake as well as with tubular frame handle;
- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- 3 m - rubber hose  $\varnothing$  1/2", art. no. 31003;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

Art.no. **49724-A**

Mobile pneumatic dispensing kit for 208 l drums like art.no. 49724 but for **antifreeze**.

### OPTIONAL

On request, instead of the art. no. 16200, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 52/53).

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>49724</b>	77 Kg	860x860x1200
<b>49724-A</b>		

Art.no. **80799**

Mobile electric oil dispensing kit, for 208 l - drums, with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, consisting of:

- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 33800;
- Control box with push button and electric connection cable;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Heavy duty trolley with 4 wheels and grate, art. no. 80792;
- 3 m - rubber hose  $\varnothing$  1/2", art. no. 31003;
- Suction tube in galvanized steel,  $\varnothing$  40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 22071FE;
- 1.5 m - rubber suction hose 1", connections 1" BSP (F-F).

Art.no. **80798**

Dispensing unit as art. no. 80799 but with pump at 110 VAC art. no. 33810.  
Drum not included.



Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>80799</b>	90 Kg	790x900x1400
<b>80798</b>		

oil



## Kit 98210

Pneumatic oil dispensing kit, for the installation on top of 1000 l – IBC -tanks, consisting of:

- Pneumatic double acting 3:1 – oil pump, art. no. 31233-130;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Open hose reel, standard series, art. no. 37115;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 1 m – rubber connection hose Ø 1/2", art. no. 31001;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360;
- Dispensing nozzle holder with drip tray, art. no. 50605;
- Metal mounting frame, art. no. 39540.

## Kit 98250

Same as art. no. 98210, but including an empty 1000 l – IBC – tank, art. no. 49600.



Kit 98250

## OPTIONAL

Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!

## Kit 98208

Pneumatic oil dispensing kit, for the installation on the side of 1000 l – IBC -tanks, consisting of:

- Pneumatic single acting 5:1 – oil pump, art. no. 31251;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Pressure regulator with manometer, art. no. 40400;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- 3 m – rubber hose Ø 1/2", art. no. 31003;
- Suction hose 1" with connection adapter for IBC – tanks;
- Metal mounting bracket, art. no. 39540.



## Kit 98212

Pneumatic oil dispensing kit, for the installation on the side of 1000 l – IBC –tanks. Same components as art. no. 98208, but with pneumatic 6:1 – single acting oil pump, series Tapir, flow rate of 32 l/min.





Art.no. **98211**

Oil dispensing kit for installation on top of double-wall steel tanks composed of:

- Pneumatic single acting 5:1 - oil pump, art. no. 31251;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Pressure regulator and air filter with moisture separator, art. no. 40360.
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- 5 m – rubber hose Ø 1/2", art. no. 31005;
- Adjustable steel bracket art.no. 39540RE;
- Hose reel art.no. 37115B;
- 15 m – rubber hose Ø 1/2", art. no. 31015;



Art.no. **98213**

Oil distribution kit as mod. 98211 with electric pump art.no. 70894.



Art.no. **98211KIT**

Pneumatic oil dispensing kit art.no. 98211, complete with 1000 l – double wall tank, art.no. 49550.



Art.no. **98213KIT**

Electric oil dispensing kit with electric pump art.no. 98213, complete with 1000 l – double wall tank, art.no. 49550.

## OPTIONAL

On request, instead of the art. no. 16200, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 52/53).



Pneumatic oil dispensing kits for 1 or 2 oil types. The use of the included spill containment pallet with metal mounting rack allows to create quickly an autonomous dispensing unit that can be put in any place of the workshop. Also it can be moved at any time if it becomes necessary.

oil



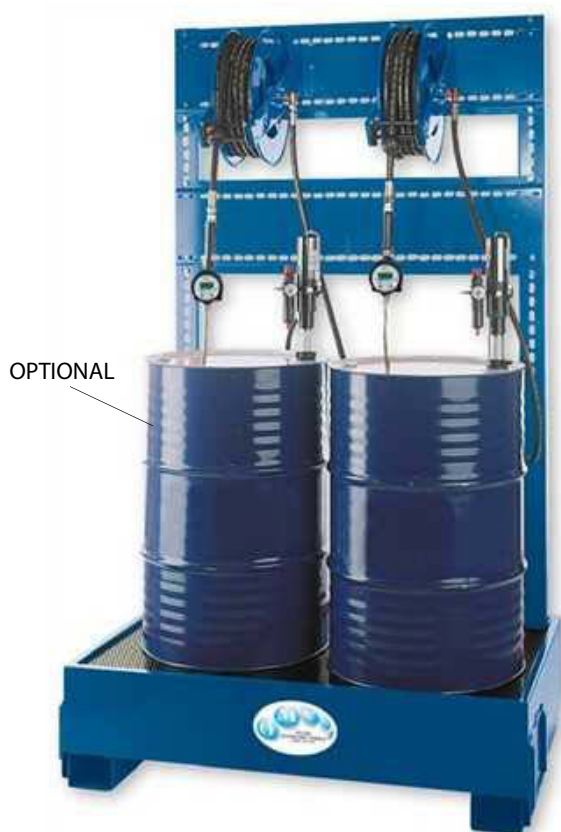
Kit **49718**

Stationary pneumatic oil supply station, for 208 l – drums, consisting of:

- Tank Service Base for 1 drum of 208 l, art. no. 49710, with metal mounting rack;
- Pneumatic double acting 3:1 - oil pump, art. no. 31233;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Open hose reel, standard series, art. no. 37115;
- 15 m – rubber hose Ø 1/2", art. no. 31015
- 2 m – rubber connection hose Ø 1/2", art. no. 31002
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator and air filter with moisture separator, art. no. 40360.

Drum not included.

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>49718</b>	114 Kg	830x880x2360



Kit **49720**

Stationary pneumatic oil supply station, for 2 x 208 l – drums, consisting of:

- Tank Service Base for 2 drums of 208 l, art. no. 49730, with metal mounting rack;
- 2 pcs. of pneumatic double acting 3:1 - oil pumps, art. no. 31233;
- 2 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 065420;
- 2 pcs. of open hose reels, standard series, art. no. 37115;
- 2 pcs. of 15 m – rubber hoses 1/2", art. no. 31015;
- 2 pcs. of 2 m – rubber connection hoses 1/2", art. no. 31002;
- 2 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- 2 pcs. of pressure regulators and air filters with moisture separators, art. no. 40360.

Drums not included.

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>49720</b>	182 Kg	1350x880x2360



Pneumatic oil dispensing kits for 1 or 2 oil types. The use of the included spill containment pallet with metal mounting rack allows to create quickly an autonomous dispensing unit that can be put in any place of the workshop. Also it can be moved at any time if it becomes necessary.

## Kit 49770

Pneumatic oil dispensing and storage cabinet, one drum - version, for 208 l – drums, consisting of:

- Tank Service Base for 1 drum of 208 l, art. no. 49710;
- Metal, lockable cabinet for 1 drum of 208 l, art. no. 49910;
- Pneumatic double acting 5:1 - oil pump, art. no. 31240;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 065420;
- Open hose reel, standard series, art. no. 37115;
- 15 m – rubber hose Ø 1/2", art. no. 31015;
- 2 m – rubber connection hose Ø 1/2", art. no. 31002;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, flexible outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- Pressure regulator with condensate separator, lubricator and pressure gauge, art. no. 40300.



Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>49770</b>	230 Kg	830x880x2360

## Kit 49760

Pneumatic oil dispensing and storage cabinet, 2 drums - version, for 208 l – drums, consisting of:

- Tank Service Base for 2 drums of 208 l, art. no. 49730;
- Metal, lockable cabinet for 2 drums of 208 l, art. no. 49900;
- 2 pcs. of pneumatic double acting 5:1 - oil pumps, art. no. 31240;
- 2 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 065420;
- 2 pcs. of open hose reels, standard series, art. no. 37115;
- 2 pcs. of 15 m – rubber hoses 1/2", art. no. 31015;
- 2 pcs. of 2 m – rubber connection hoses 1/2", art. no. 31002;
- 2 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, flexible outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 16200;
- 2 pcs. of Pressure regulator with condensate separator, lubricator and pressure gauge, art. no. 40300.



OPTIONAL

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>49760</b>	290 Kg	1350x880x2360

Mounting shelves consisting of spill containment pallets, series Tank Service Base, and special mounting racks for equipment.

These units are used:

- to create lubrication units according to the individual requirements;
- to achieve autonomous units that can easily be transported with a pallet truck or forklift and can be put at any place of a workshop;
- to avoid the pollution of the surrounding environment in case of eventual leakages, thanks to the included spill containment pallet.

## Kit 49710

Mounting shelf, consisting of:

- spill containment pallet for 1 drum of 208 l, art. no. 49740;
- 2 pcs. of steel posts, art. no. 49715;
- 2 pcs. of steel panels, art. no. 49716.



Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>49710</b>	57.5 Kg	830x880x2300

## Kit 49730

Mounting shelf, consisting of:

- spill containment pallet for 2 drums of 208 l, art. no. 49750;
- 2 pcs. of steel posts, art. no. 49715;
- 2 pcs. of steel panels, art. no. 49717.



Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>49730</b>	109 Kg	1350x830x2300

According to the regulations the storage of lubricant or fuel drums in industrial or workshop environments requires suitable containers which can collect the fluids in case of eventual leakages and prevent that those can pollute the surrounding environment.

The series TANK SERVICE BASE has been designed:

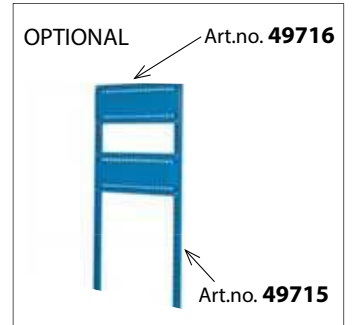
- to serve as a containment for eventually leaking fluids;
- to facilitate the transport of the drums;
- to create autonomous and easy-to-handle oil supply units.

Art.no. **49740**

## Tank Service Base 200

Spill containment pallet in painted steel, with pallet feet, suitable for the storage of 1 drum of 208 l. Prepared for the installation of a mounting rack consisting of steel posts (art. no. 49715) and steel panels (art. no. 49716) suitable for the installation of equipment.

Drum not included.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
<b>49740</b>	1 drum of 208 l	229 l	55 kg	920x825x340

Art.no. **49750-SE**

## Tank Service Base 400

Spill containment pallet in painted steel, suitable for the storage of 2 drums of 208 l. Economic version without possibility of installing a mounting rack on it and without pallet feet for the transport with pallet truck. Transport can be done by forklift.

Drum not included.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
<b>49750-SE</b>	2 drums of 208 l	268 l	68 Kg	1350x825x305

Art.no. **49750**

## Tank Service Base 400

Spill containment pallet in painted steel, with pallet feet, suitable for the storage of 2 drums of 208 l. Prepared for the installation of a mounting rack consisting of steel posts (art. no. 49715) and steel panels (art. no. 49717) suitable for the installation of equipment.

Drums not included.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
<b>49750</b>	2 drums of 208 l	268 l	69 Kg	1350x825x340



Art.no. **49780**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of one 1000 l IBC tank.

Art.no. **49780-SP**

Same as art. no. 49780, but suitable for the mounting of posts (art. no. 49715) and panels (art. no. 49717) for the installation of equipment.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
<b>49780</b>	1 IBC tank of 1000 l	1000 l	155 Kg	1220x1320x710



Art.no. **49790**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of two 1000 l IBC tanks.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
<b>49790</b>	2 IBC tanks of 1000 l	1000 l	190 Kg	1500x2200x380



Art.no. **49791**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of up to 4 drums of 208 l.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
<b>49791</b>	4 drums of 208 l	265 l	120 Kg	1780x1250x180



Art.no. **72005**

Heating belt for 208 l – drums, 230 VAC, 1 kW, in siliconized and vulcanized, stretchable fabric, including thermostat and 1.5 m – connection cable.

Art.no. **72004**

Heating belt for 30 kg – drums, 230 VAC, 1 kW, in siliconized and vulcanized, stretchable fabric, including thermostat and 1.5 m – connection cable.

Art. no.	Operating temperature	Min. isolating wall thickness of heated drum	Voltage	Power	Dimensions (LxWxH) (mm)
<b>72005</b>	+ 30°C / + 180°C	0.4 mm	230 VAC	1000 W	1100x100
<b>72004</b>					980x75





## Art.no. 49781

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage up to 4 drums of 208 l.

## Art.no. 49782

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage up to 8 drums of 208 l.

Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
<b>49781</b>	4 drums of 208 l	335 l	94 kg	1340x1250x300
<b>49782</b>	8 drums of 208 l	680 l	202 kg	2720x1250x300



## Art.no. 49783

Metal barrel rack, stackable, for the horizontal storage of up to 3 drums of 60 l. Suitable for the storage on spill containment pallet art. no. 49782.

## Art.no. 49784

Metal barrel rack, stackable, for the horizontal storage of up to 2 drums of 208 l. Suitable for the storage on spill containment pallet art. no. 49782.

Art. no.	Suitable for	Weight	Dimensions (LxWxH) (mm)
<b>49783</b>	3 drums of 60 l	37 kg	1335x600x810
<b>49784</b>	2 drums of 208 l	32 kg	1335x600x810



## Art.no. 49785

Metal barrel rack, stackable, for the horizontal storage of up to 3 drums of 208 l. Suitable for the storage on spill containment pallet art. no. 49782.

Art. no.	Suitable for	Weight	Dimensions (LxWxH) (mm)
<b>49785</b>	3 drums of 208 l	67 kg	1960x600x810



## Art.no. 49786

Metal barrel rack, stackable, for the horizontal storage of up to 2 drums of 208 l. Suitable to be put up on the floor.

## Art.no. 49787

Spill containment pallet in galvanized steel plate, without grate, to be placed under the metal barrel rack art. no. 49786.

Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
<b>49786</b>	2 drums of 208 l	-	36 kg	1500x550x850
<b>49787</b>	-	270 l	48 kg	1390x1160x170



Art.no. **40451**  
Art.no. **40453**

## Art.no. 40451

Gravity tap, in polyethylene, connection thread 3/4" BSP (M), with manual shut-off valve, suitable for the use with horizontally placed drums of 60 l or 208 l.

## Art.no. 40452

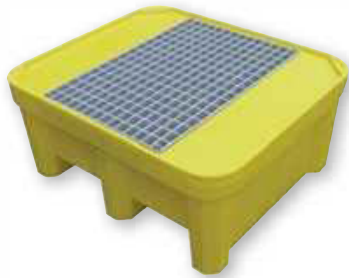
Gravity tap, in brass, connection thread 3/4" BSP (M), with automatic shut-off valve, suitable for the use with horizontally placed drums of 60 l or 208 l.

## Art.no. 40453

Gravity tap, in polyethylene, connection thread 2" BSP (M), with manual shut-off valve, suitable for the use with horizontally placed drums of 208 l.



Storage tank printed in single high density polyethylene block; with U.V. treatment and ISO 9200 certification. Compatible with a large number of chemical products high safety and resistance, rot proof and easy to handle. Colours available: yellow high-visibility or black anti-drop.



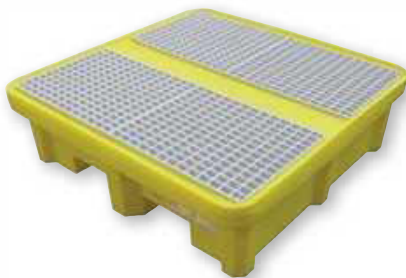
Art.no. **49795**

Polyethylene containment tank for 1x220L drum, containment capacity 225 l.



Art.no. **49796**

Polyethylene containment tank for 2x220L drums, containment capacity 305 l.



Art.no. **49797**

Polyethylene containment tank for 4x220L drums, containment capacity 500 l.



Art.no. **49800**

Polyethylene containment tank; containment capacity 1050 l.



Art.no. **49804**

Polyethylene container for secure storage of metal drums.

Columns and stands in painted steel for the installation of equipment such as hose reels and other, provided for the installation in a workshop.

These systems are very convenient because they permit to optimize the use of the available space for the installation of any dispensing, suction and control equipment or power supply devices.

These units can be designed, manufactured and painted according to our customers' requirements.

On the following pages will be shown some examples of possible versions, such as single row service column, double row service column, open service stand and service stand with cabinet.



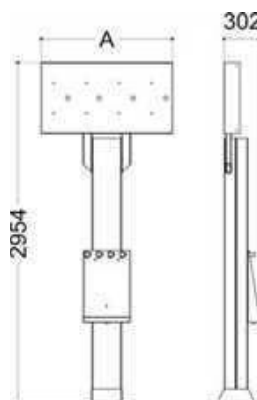
Service column stands in painted steel for the installation of equipment such as hose reels and other, provided for the installation in a workshop.

These systems are very convenient because they permit to optimize the use of the available space for the installation of any dispensing, suction and control equipment or power supply devices.

These units can be designed, manufactured and painted according to our customers' requirements.

## Single column service stand, standard version.

Includes the single column with a base for fixation to the floor, a mounting plate prepared with various holes for hose reels installation on top and a drip tray with gun holder, suitable for the quantity of hose reels installed.

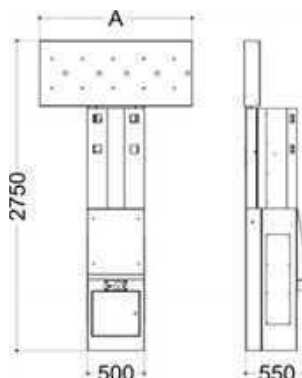


Art.no.	Installable hose reel quantity	Length (A) hose reel mounting plate (mm)
<b>49855-1</b>	1	570
<b>49855-2</b>	2	570
<b>49855-3</b>	3	840
<b>49855-4</b>	4	1130
<b>49855-5</b>	5	1130
<b>49855-6</b>	6	1130



## Single column service stand, cabinet version.

Includes the single column with a base for fixation to the floor, a mounting plate prepared with various holes for hose reels installation on top, with sufficient space inside also for the pipework coming from the ceiling or from the floor, for the inside installation of small air or water hose reels or cable reels, and for an eventual installation of a waste fluid suction system in the bottom part of the column. Also a drip tray with gun holder, suitable for the quantity of hose reels installed, is included.



Art.no.	Installable hose reel quantity	Length (A) hose reel mounting plate (mm)
<b>49840-1</b>	1	550
<b>49840-2</b>	2	550
<b>49840-3</b>	3	800
<b>49840-4</b>	4	1080
<b>49840-5</b>	5	1350





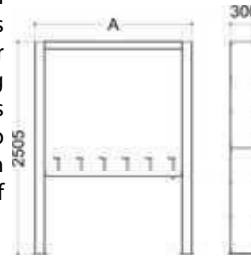
Service column stands in painted steel for the installation of equipment such as hose reels and other, provided for the installation in a workshop.

These systems are very convenient because they permit to optimize the use of the available space for the installation of any dispensing, suction and control equipment or power supply devices.

These units can be designed, manufactured and painted according to our customers' requirements.



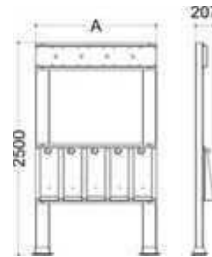
**Double column service stand,** standard version, with full width drip tray with gun holders. Includes two columns with a base each for fixation to the floor, a mounting plate prepared with various holes for hose reels installation on top and a full width drip tray with gun holder, suitable for the quantity of hose reels installed.



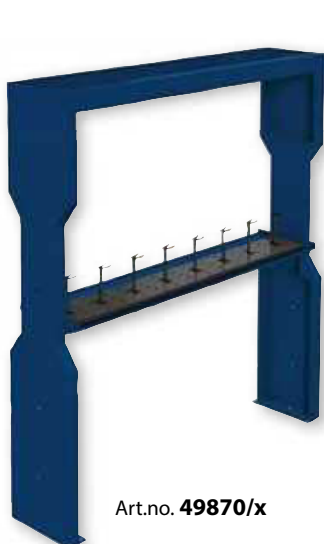
Art.no.	Installable hose reel quantity	Length (A) crossbeam (mm)
<b>49830-4</b>	4	1310
<b>49830-5</b>	5	1580
<b>49830-6</b>	6	1850
<b>49830-7</b>	7	2120
<b>49830-8</b>	8	2390



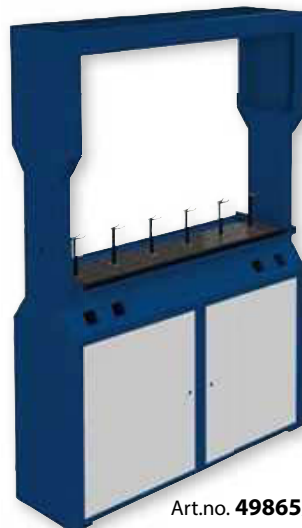
**Double column service stand,** standard version, with individual drip trays with gun holders. Includes two columns with a base each for fixation to the floor, a mounting plate prepared with various holes for hose reels installation on top and an individual drip tray with gun holder per hose reel, suitable for the quantity of hose reels installed.



Art.no.	Installable hose reel quantity	Length (A) crossbeam (mm)
<b>49860-4</b>	4	1510
<b>49860-5</b>	5	1770
<b>49860-6</b>	6	2030
<b>49860-7</b>	7	2290
<b>49860-8</b>	8	2550

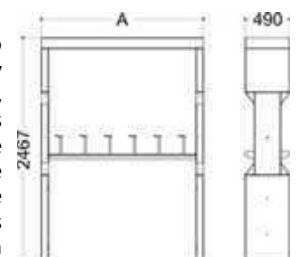


Art.no. **49870/x**



Art.no. **49865/x**

**Double column service stand,** cabinet version, with full width drip tray with gun holders, available with or without cabinet with shelves. Includes two columns with a base each for fixation to the floor, the lower side of the crossbeam is already prepared with various holes for hose reels installation, Inside of the columns and the crossbeam there is sufficient space also for the pipework coming from the ceiling or from the floor and for the eventual inside installation of compact air or water hose reels or cable reels (only in version with cabinet with lockable doors and shelves!). Also a full width drip tray with gun holder, suitable for the quantity of hose reels installed, is included.



Art.no. (without cabinet)	Art.no. (with cabinet)	Installable hose reel quantity	Length (A) crossbeam (mm)
<b>49870-4</b>	<b>49865-4</b>	4	1510
<b>49870-5</b>	<b>49865-5</b>	5	1510
<b>49870-6</b>	<b>49865-6</b>	6	1780
<b>49870-7</b>	<b>49865-7</b>	7	2050
<b>49870-8</b>	<b>49865-8</b>	8	2320



# RF ACCESS WIRELESS FLUID MA

## RF MOBILE WORKSTATION

Art.no. 49724-RF



## QB8 SYSTEM with simple gun



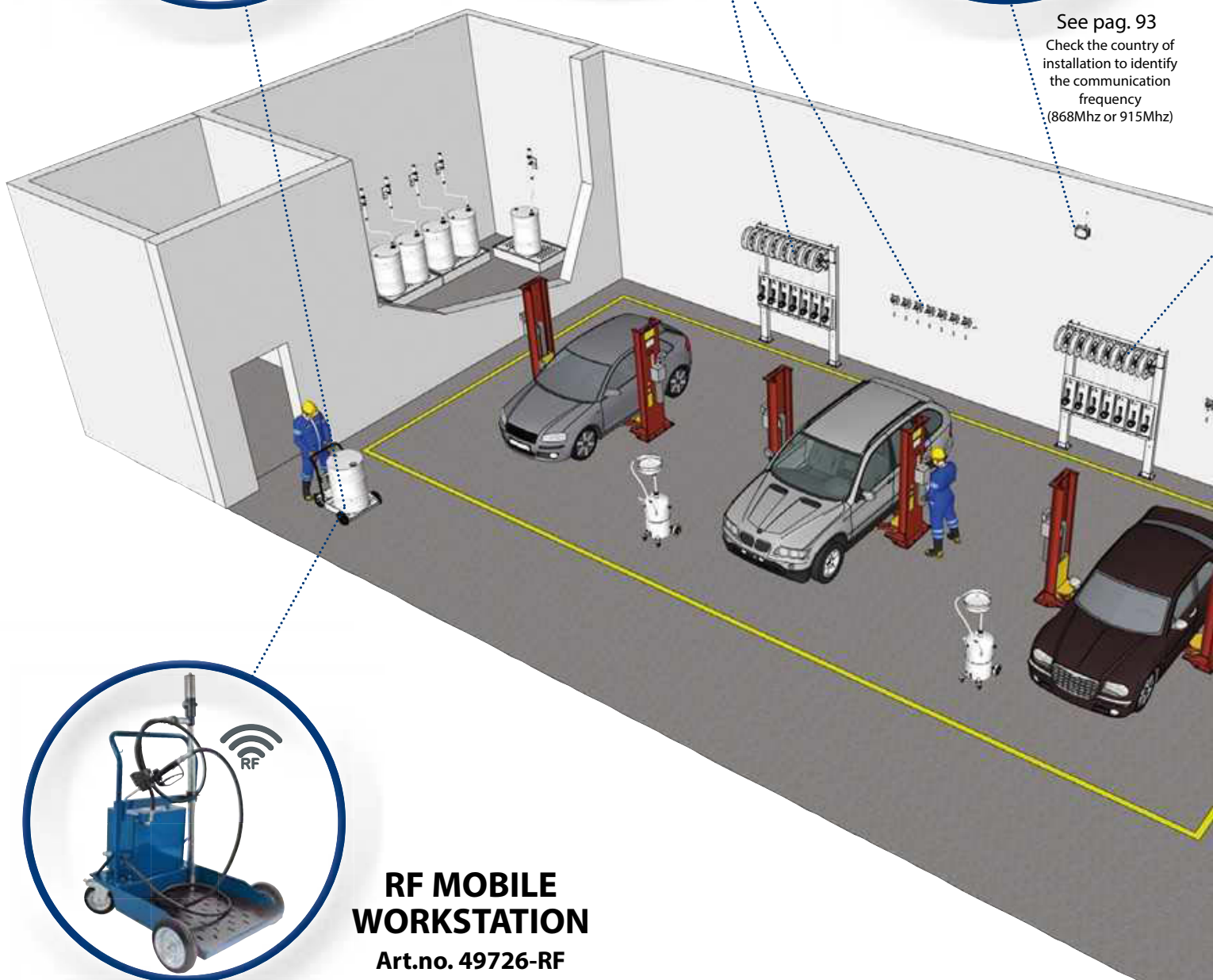
See pag. 91

## RF STATION



See pag. 93

Check the country of  
installation to identify  
the communication  
frequency  
(868Mhz or 915Mhz)



## RF MOBILE WORKSTATION

Art.no. 49726-RF



# S 128AP NAGEMENT SYSTEM

## GP SYSTEM 20 with flow meter gun

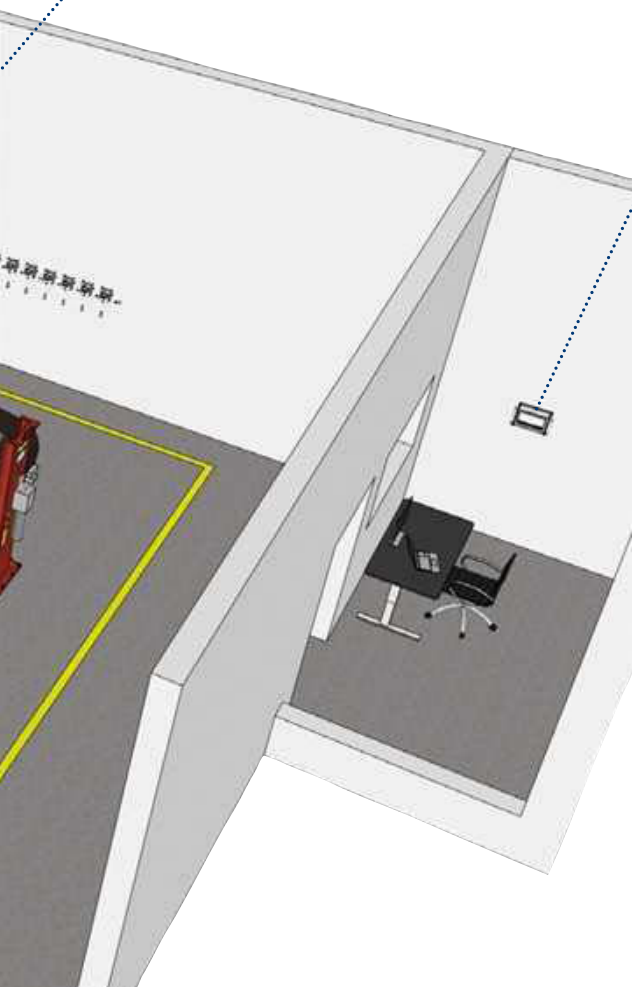


See pag. 90

## OMPI TOUCH UNIT RF128



See pag. 92



**The RF ACCESS 128AP system can be accessed via various devices such as smartphones, PCs and tablets with various operating systems without installing additional third-party software: only a web browser is needed.**

**RF ACCESS 128AP** system is based on the **OMPI TOUCH UNIT RF128** control unit combined with devices with radio frequency (RF) by means of radio modules (RF STATION) connected with an internal BUS.

All operations carried out on the flow meters are saved and displayed on the control unit. Each dispensing point is combined with a local tank or a centralized tank to monitor their virtual levels.

It is possible to set the alarm thresholds to send warning emails if the tanks exceed the minimum storage thresholds.

The **OMPI TOUCH UNIT RF128** control unit can generate **users** with relative **passwords** enabled for the use with **RF devices**.

The control unit has three types of external connection:

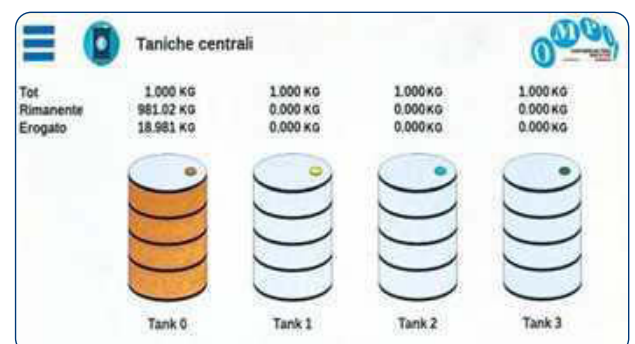
- **USB port** for flash drive
- **Wi-Fi** connection to company network;
- **Ethernet cable connection** to company network

The system can be connected to the company network via intranet portal to allow access with **PC, smartphone or tablet** with user ID and password giving the possibility of viewing and managing all information **in real time**.

**RF ACCESS 128AP** can simultaneously connect up to **128 devices** including **RF flow meter guns** and **QB8 systems** with **16 centralized tanks**.

## RF ACCESS 128AP is quick and economical to install.

## It is also possible, upon request, to connect RF ACCESS 128AP to already existing fluid management systems.



With **RF ACCESS 128AP** System work orders handling becomes easy and intuitive; orders containing multiple fluids dispensing on the same vehicle can also be created.

Order management does not require any additional software installation on remote devices; the **RF ACCESS 128AP** portal is accessed directly from any device equipped with a web browser.

Users can work simultaneously on orders, allowing:

## 1. CREATING AN ORDER

Users can create orders directly in the RF ACCESS 128AP portal.

## 2. REVIEWING AND CHANGING AN ORDER

From the orders menu both current and completed orders can be checked at any time.

## 3. ORDER PROGRESS STATUS

Entered orders and their progress can be analyzed directly on the unit display.

## 4. COMPLETION OF THE ORDER

The order in progress can be closed automatically when dispensings have been 100% completed or it can be closed manually if dispensings have quantities different from those planned.

### MAIN SCREEN

#### INSERT/CREATE NEW ORDER

New Order / Search Order

Make order

NO NEW

ADD NEW

Customer

YEP (S/N)

Distance/Time: overall distance (in Km or Mi) or time of functioning (in hour)

Check/Operator

ADMIN ADMIN

Check/

01/10/2024

Vehicle identification

ADD NEW

Customer: Insert or look for name / VAT or other identification parameters

Default Operator

Rossi Mario

Scheduled for

01/10/2024

Distance/Time

25111

Force complete and close order

Order status: 75%

Check-in

Begin: 2024-10-01T18:10:50.712 - End: 2024-10-01T18:12:50.712

Begin: 2024-10-01T18:12:50.712 - End: 2024-10-01T18:12:50.712

Begin: 2024-10-01T18:12:50.712 - End: 2024-10-01T18:12:50.712

Check-out

End: 2024-10-01T18:12:50.712 - End: 2024-10-01T18:12:50.712

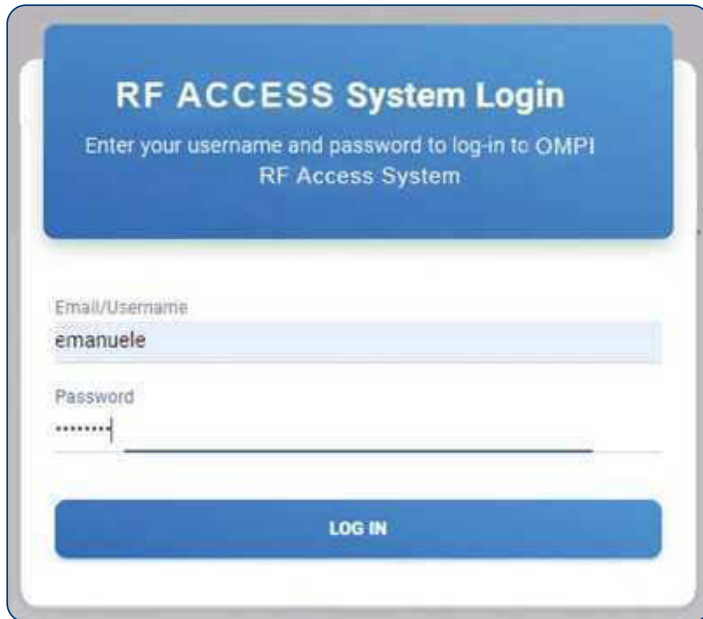
Close order

#### DETAILS FOR EACH ORDER

Actions	ShortID	Operator	Fluid	Station	Dispenser	Planned q.ty	Current q.ty	Execution date	COMPLETION
	2310	Rossi Mario	Olio Motore Auto	Cars	CarsEngine	12	12 L	09/10/2024, 11.01.01	100%
	3630	Rossi Mario	Olio Cambio	Cars	CarsCambio	2	2 L	07/10/2024, 15:09:46	100%

# PROCESSI

## USER LOGIN



**RF ACCESS System Login**

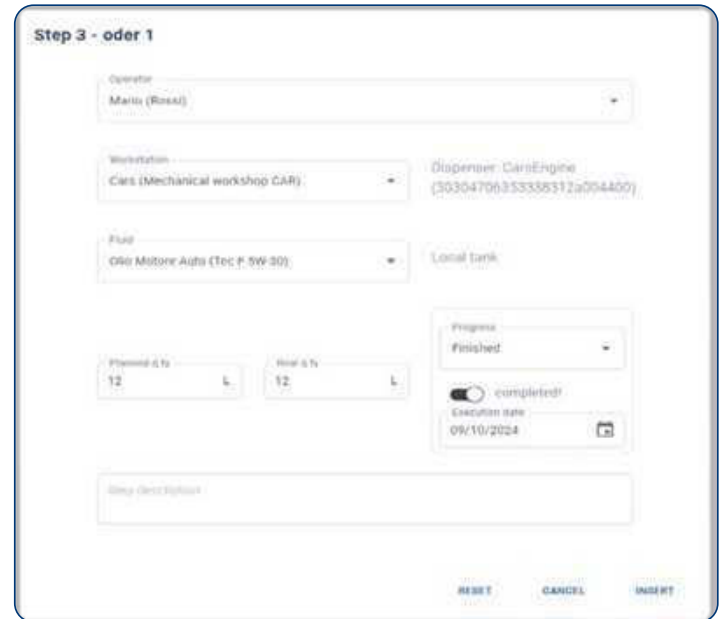
Enter your username and password to log-in to OMPi RF Access System

Email/Username  
emanuele

Password  
\*\*\*\*\*

**LOG IN**

## USER DATA ENTRY



**Step 3 - order 1**

Operator: Mario (Rossi)

Workstation: Cars (Mechanical workshop CAR)

Dispenser: CarsEngine (50304706353358312a094400)

Fuel: Olio Motore Agip (Tec P 5W 30)

Local tank

Planned & To: 12 L

Real & To: 12 L

Progress: Finished

completed? ☐

Execution date: 09/10/2024

Any desc/feedback

**RESET CANCEL INSERT**

## ORDER ENTRY

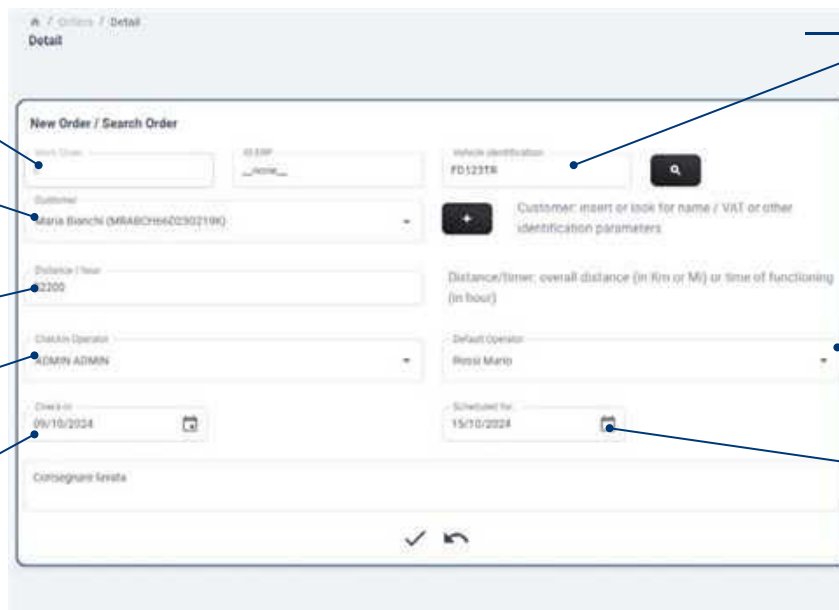
Order number in the system (progressive and not editable).

Customer

Kilometers or working hours

Operator who performed check In

Acceptance date



**New Order / Search Order**

Work Order:

Customer: Mario Bianchi (MIABICH6230219K)

Distance / hour: 2200

Check-in Operator: ADAM ADMIN

Check-in: 09/10/2024

Consignee: Sinate

Vehicle identification: FD123TR

Customer: insert or look for name / VAT or other identification parameters

Distance/Time: overall distance (in Km or Mi) or time of functioning (in hour)

Default Operator: Rossi Mario

Scheduled for: 15/10/2024

**✓ ↩**

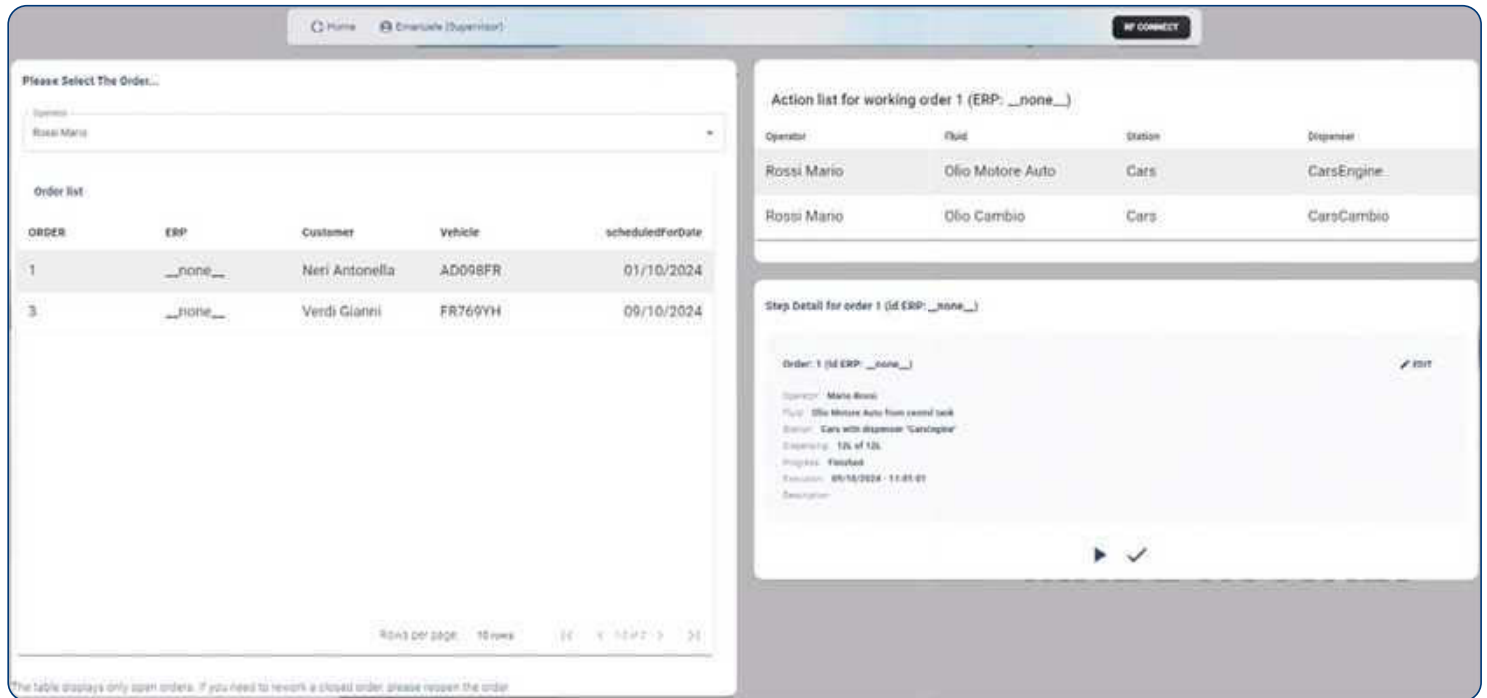
Vehicle registration plate or identification number

Operator who will carry out the order

Date of order

# NG PHASES

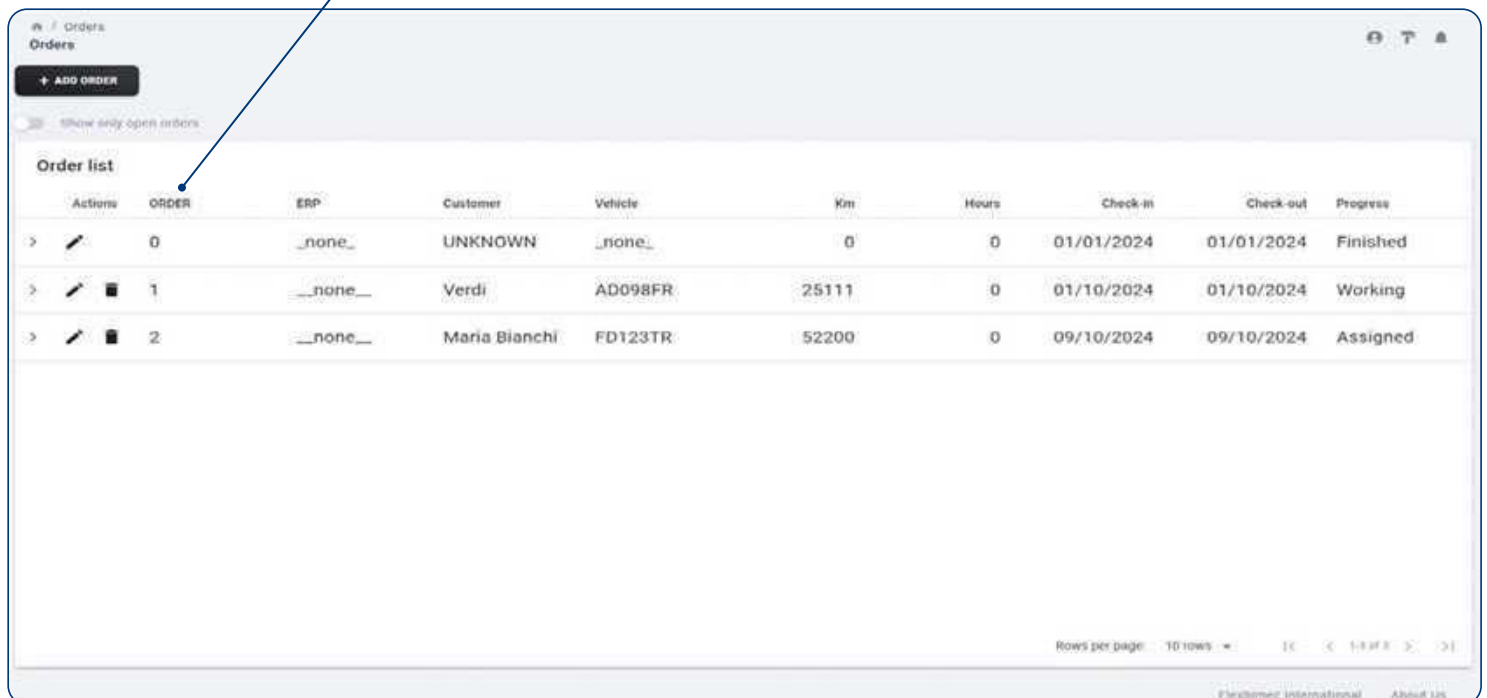
## ORDER START



The screenshot shows the 'ORDER START' interface. On the left, there's a 'Please Select The Order...' section with a dropdown menu showing 'Rossi Mario'. Below it is an 'Order list' table with columns: ORDER, ERP, Customer, Vehicle, and scheduledForDate. The table contains two rows: ORDER 1 (ERP: \_\_none\_\_, Customer: Neri Antonella, Vehicle: AD098FR, scheduledForDate: 01/10/2024) and ORDER 3 (ERP: \_\_none\_\_, Customer: Verdi Gianni, Vehicle: FR769YH, scheduledForDate: 09/10/2024). On the right, there's an 'Action list for working order 1 (ERP: \_\_none\_\_)' table with columns: Operator, Fluid, Station, and Dispenser. It contains two rows: Rossi Mario (Olio Motore Auto, Cars, CarsEngine) and Rossi Mario (Olio Cambio, Cars, CarsCambio). Below this is a 'Step Detail for order 1 (id ERP: \_\_none\_\_)' section with a form containing fields for Operator, Fluid, Station, Dispenser, Progress, and Execution. The form is currently empty.

**Original order number**  
not to be filled in if entered in the RF  
system, automatic if imported from another  
management system

## ORDER LIST



The screenshot shows the 'ORDER LIST' interface. At the top, there's a 'Orders' section with a '+ ADD ORDER' button and a 'Show only open orders' toggle. Below this is an 'Order list' table with columns: Actions, ORDER, ERP, Customer, Vehicle, Km, Hours, Check-in, Check-out, and Progress. The table contains three rows: ORDER 0 (ERP: \_\_none\_\_, Customer: UNKNOWN, Vehicle: \_\_none\_\_, Km: 0, Hours: 0, Check-in: 01/01/2024, Check-out: 01/01/2024, Progress: Finished), ORDER 1 (ERP: \_\_none\_\_, Customer: Verdi, Vehicle: AD098FR, Km: 25111, Hours: 0, Check-in: 01/10/2024, Check-out: 01/10/2024, Progress: Working), and ORDER 2 (ERP: \_\_none\_\_, Customer: Maria Bianchi, Vehicle: FD123TR, Km: 52200, Hours: 0, Check-in: 09/10/2024, Check-out: 09/10/2024, Progress: Assigned). At the bottom right, there's a 'Rows per page' dropdown set to '10 rows'.





## GP SYSTEM 20

### Access with flow meter guns

In this **RF ACCESS GP SYSTEM 20** configuration an RF digital flow meter gun is combined with the control valve mounted on the hose reel.

When the operator needs to use the flow meter gun, he has to enter the password provided by the system administrator (4 digits) on the unit display using the directional arrows.

Once the password has been entered, the control unit verifies the correctness of the password and if so, it sends the signal via radio to the control board to enable the solenoid valve and allow the dispensing of fluid.

The **password** activation validity time can be customized on the RF control unit in a range that can go from a few seconds up to 23 hours and 59 minutes after the performed dispensing.

When the password expires, the control unit sends the command to the valve control board to deactivate it and interrupts the flow.

**up to 64 connectable devices**

Example of a centralized fluid distribution system: max 64 dispensing points, composed of flow meter guns (JUPITER and URANUS models). The OMPI TOUCH UNIT RF128 is able to manage all the dispensing points and can monitor the centralized or local tank levels.

Each user is associated to a password to be entered on the flow meter gun to manage each operation and monitoring can take place via Cloud with PC or Smartphone.



Possibility to add up to 8 RF STATIONS to extend the RF network throughout the workshop.



**BASIC CONFIGURATION  
COMPOSED OF:**  
A - Digital flow meter  
B - QB8  
C - OMPI TOUCH UNIT RF128  
D - RF STATION

## QB8 SYSTEM

### Access with QB8

The **RF ACCESS QB8 SYSTEM** is based on a control board where the operator enters the password by typing the code (4 digits) with the selection keys. The code is then sent via RF to the control unit which verifies its correctness and then it enables the solenoid valve mounted on the QB8 system, thus allowing access to the free-flow or pre-selection dispensing mechanical gun.

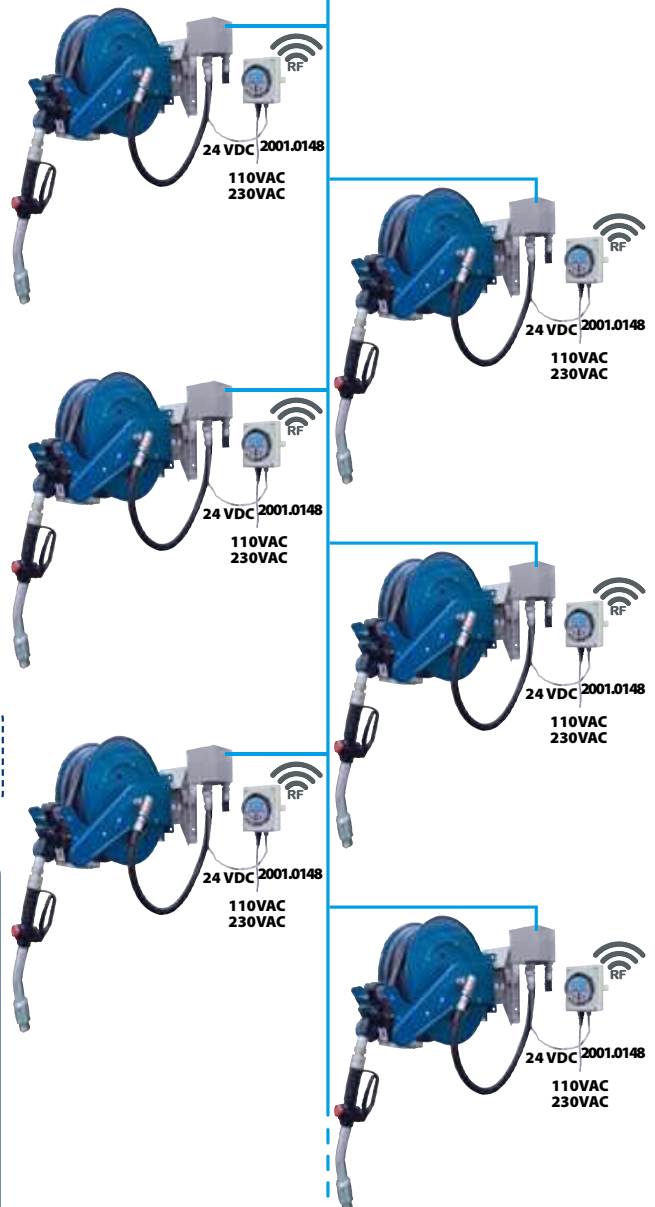
The password activation validity time can be customized on the RF control unit in a range that can go from a few seconds up to 23 hours and 59 minutes after the performed dispensing.

When the password expires, the control unit sends the command to the valve control board to deactivate it and interrupts the flow.

**up to 128 connectable devices**

Example of a centralized fluid distribution system: max 128 dispensing points, composed of QB8 SYSTEM. The OMPI TOUCH UNIT RF128 is able to manage all the dispensing points and can monitor the centralized or local tank levels.

Each user is associated to a password to be entered on the flow meter gun to manage each operation and monitoring can take place via Cloud with PC or Smartphone.



**Emails for minimum tank thresholds reaching**

**User management with password**

**Tank level management**



**Easy to install**

**Easy to connect**

**Storing of individual deliveries**

### OMPI TOUCH UNIT RF128 (Art.nos 76500 | 76500-915)

MAXIMUM NUMBER OF CONNECTABLE DEVICES	MAX 128
CONNECTIONS TO DEVICES	RADIO SIGNAL 868 MHz OR 915 MHz
MAX NUMBER OF USERS	UP TO 200
DISPENSING POINTS MANAGEMENT	UP TO 128
CENTRALIZED TANKS MANAGEMENT	UP TO 16
EXTERNAL CONNECTIONS	WIFI, LAN, USB
ALARM MANAGEMENT	MIN THRESHOLDS LEVEL SETTING
POWER SUPPLY	110-220 VAC
SYSTEM LANGUAGES	ITALIAN, ENGLISH
ACCESS LEVELS	USER (devices reading only)
	ADMINISTRATOR (access with password)
ACCESSIBILITY	CLOUD - INTRANET DATA BASE
CLOUD ACCESSIBILITY	PC, TABLET AND SMARTPHONE

### GP SYSTEM 20

### QB8 SYSTEM



MODEL		Series JUPITER	Series URANUS	Series URANUS	71080 - 71081 71085
FLUIDS	Oil	✓	✓	-	✓
	Antifreeze	✓	✓	-	✓
	AdBlue®	✓	✓	-	✓
	COOLANT FLUID	-	-	-	✓
	WINDSCREEN WASHER FLUID	✓	✓	-	✓
	GREASE	-	-	✓	✓
PRESELECTION		-	✓	✓	STANDARD
USER MANAGEMENT WITH PASSWORD		✓	✓	✓	✓



### RF STATION SIGNAL REPEATER

RF STATION connects to the control unit via a can-bus cable, and has the function of an antenna, essential for connecting to all RF devices. Its cable for 110-230VAC mains power supply is useful for amplifying the radio signal.

To work with very large systems, it is possible to connect up to 8 RF STATIONS via a Can-Bus cable, in order to guarantee the connection of the radio signal between devices: RF STATIONS can be installed on different floors or where there are infrastructures that could disturb the signal, such as load-bearing walls or metal structures.

The light signal indicates:

Green POWER LED: presence of voltage;

Blue CONNECTION LED: presence of radio signal and connection to the control unit;

Red ERROR LED: errors alarm.

Art.no. **2001.0218**

RF STATION for 868 MHz communication.

- Connection to control station (CPU) via bus cable.
- Connection to electrical network (230 VAC – 110 VAC).
- Internal battery in the event of a blackout.
- Transmission/reception channel selector (from 1 to 8).

Art.no. **2001.0229**

Similar to model 2001.0218 but with radio frequency: 915 MHz.

Suitable for countries like Canada and America.



Art.no. **76868**

Solenoid valve control card to be applied directly on the hose reel for RF flow meters management.

- Power supply voltage 230 VAC.
- Can be combined with **1/2"** RF flow meters and 1/2" swivel joints.
- ON-OFF hydraulic valve size SAE08 normally closed.
- Radio frequency: 868 MHz.

Art.no. **76868-915**

Similar to model 76868 but with radio frequency: 915 MHz.



Art.no. **76869**

Solenoid valve control card to be applied directly on the hose reel for RF flow meters management.

- Power supply voltage 230 VAC.
- Can be combined with **3/4"-1"** RF flow meters and 1" swivel joints.
- ON-OFF hydraulic valve size SAE10 normally closed.
- Radio frequency: 868 MHz.

Art.no. **76869-915**

Similar to model 76869 but with radio frequency: 915 MHz.



### LIGHTS LEGEND

1. ● ON = PRESENCE OF VOLTAGE
2. ● ON = RF ACCESSION TO THE CONTROL UNIT
3. ● ON = ELECTRIC VALVE ACTIVATION
4. ● ON = ALARM LIST





Art.no. **2001.0148**

QB8 RF control board for RF system pulse counters.  
- Power supply voltage 110/230 VAC.  
- Can be combined with all types of QB8 SYSTEM pulse counters.  
- Radio frequency: 868 MHz.

Art.no. **2001.0153**

Similar to model 2001.0148 but with radio frequency: 915 MHz.



To be combined with pulse counters art.no. 71080 - 71081 - 71085.

Art.no. **71080**

Electronic oval gears flow meter with pulse transmitter, suitable for oil, grease diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket.  
To be combined with 2001.0148 and 2001.0153.



Art.no. **71081**

Electronic oval gears flow meter with pulse transmitter, suitable for grease, including a 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket.  
To be combined with 2001.0148 and 2001.0153.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
<b>71080</b>	1/2" BSP (F)	20 l/min	+5°C / +80°C	100 bar (1450 psi)	+ / - 0.5%	95/l	1.5 kg	120X120X160
<b>71081</b>				250 bar (3626 psi)				

Art.no. **71085**

Electronic oval gears flow meter with pulse transmitter, body in Arnite, including a stainless steel 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket. Suitable for the use with water-based fluids and AdBlue® (DEF).  
To be combined with 2001.0148 and 2001.0153.



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
<b>71085</b>	F 1/2" BSP	10 l/min	+5°C / +110°C	10 bar (145 psi)	+ / - 0.5%	95/l	1.5 kg	120X120X160





Art.no. **2001.0219**

**EASY Tablet** for checking and/or entering data on fluid supplies and reserves (without barcode and QR code reader).



Art.no. **2001.0220**

**ADVANCED Tablet** for checking and/or entering data on fluid supplies and reserves with barcode and QR code reader.

Equipped with a printer and a badges or RFID cards reader, to allow faster recognition of the operator.

Art.no. **2001.0221**

Smartphone for checking and/or entering data on fluid supplies and reserves, including barcode and QR code reader.



The electronic dosing system **CONTROLLER 5.0** allows the dosage of different, preset quantities of a fluid lubricant.

It is particularly suitable in applications where a continuous accuracy in the dosage is required such as in industrial production systems with automated, constant and continuous dispenses of oil.

The dosing system includes also a timer and a data memory of the dispensed quantities.



Art.no. **3206.0049**

Electronic dosing unit **CONTROLLER 5.0**.

Technical features:

- big graphic backlit display;
- bi-directional, serial and cable-based communication with connected printers or PC through USB and serial connections;
- watch with buffer battery;
- storage of the following dispenses data: quantity, ID, date, time;
- integrated power supply 110/230 VAC – 24 VDC;
- possibility of calibration;
- default dispense activation button;
- new dispense quantity selection button.

Art.no. **3206.0022**

Thermal printer, can be connected to the CAN BUS of the control unit. Required for printing a ticket of each individual dispense.

Art.no. **71080**

Electronic oval gears flow meter with pulse transmitter, connections 1/2" BSP (F), suitable for oil, diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket.

Art. no. **33950**



Art.no. **33950**

This dosing kit includes:

- 1 pc. CONTROLLER 5.0, art.no. 3206.0049;
- 1 pc. Electronic oval gears flow meter with pulse transmitter and solenoid valve, art.no. 71080;
- 1 pc. Thermal printer, art.no. 3206.0022.



The level gauges of series PUMPSTOP are suitable for the use with all pneumatic oil pumps. They stop the pump when the oil in a container is going to run out and like that prevent air to enter into the system which would create a mixture of oil and air that would cause wrong measurement results of the connected flow meters.

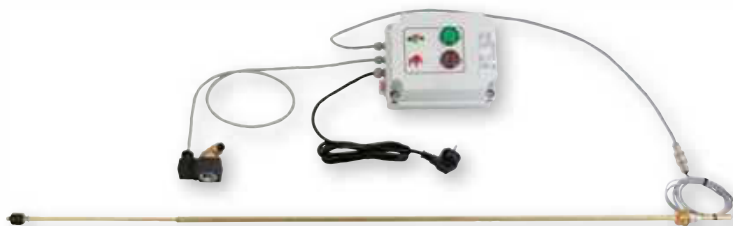
The kit is composed of a probe with level sensor, a solenoid valve for the shut-off of the compressed air, a transformer / stabilizer for the power supply and a warning light with horn (for art. nos. 31310). The probe is inserted into a drum through its 3/4" – opening and is also fixed there (in case of tanks using a suitable 3/4" – 2" adapter). When the minimum oil level is reached, an electric impulse is transmitted to the solenoid actuated shut-off valve which interrupts the compressed air supply, stops immediately the pneumatic oil pump and activates an acoustical and optical alarm.

Art.no. **31320KIT**

## PUMPSTOP

Low level pump stop kit, composed of:

- level probe, suitable for the use in 208 l – drums and 1000 l - IBC - tanks, length 1200 mm;
- ON-OFF switch;
- bypass push button which allows to continue the oil flow again after it has been stopped;
- solenoid-actuated shut-off valve for the compressed air;
- transformer / stabilizer 110-230 VAC – 24 VDC;
- electric connection cable, length 2 m.

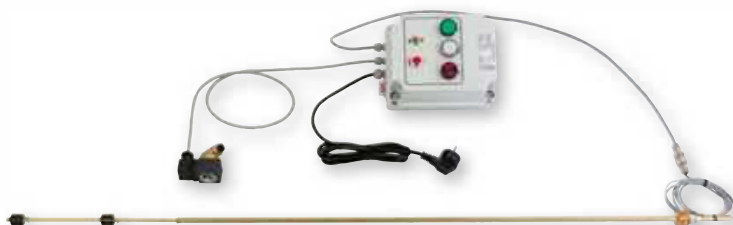


Art.no. **31310**

## PUMPSTOP

Low level pump stop kit, composed of:

- level probe, suitable for the use in 208 l – drums and 1000 l - IBC tanks, length 1200 mm;
- ON-OFF switch;
- warning light with horn;
- bypass push button which allows to continue the oil flow again after it has been stopped;
- solenoid-actuated shut-off valve for the compressed air;
- transformer / stabilizer 110-230 VAC – 24 VDC;
- electric connection cable, length 2 m.



Pneumatic pumps suitable for the suction of waste mineral oils, antifreeze and water-based fluids.



Depression value - 0,8/1,0 bar

Art.no. **31248FVN**  
Waste mineral oil  
(for suction)



Depression value - 0,8/1,0 bar

Art.no. **31247FE**  
Pure antifreeze and  
water-based fluids  
(for suction)



Art.no. 31248FVN

Depression value - 0,8/1,0 bar

Art.no. 31242BR

Kit.no. **31237FVN**  
Waste mineral oil  
Complete kit with  
pump, hose and valve.

OPTIONAL  
Art.no. 2264

Art. no.	31248FVN	31237FVN	31247FE
Compressed air supply	Pressure min 2 - max 4 bar (30 - 58 psi)		
Type of gaskets	Viton®		EPDM
Compression ratio	1:1		
Outlet pressure	4 bar (58 psi)		
Delivery	0.8/1.0 bar		
Connection compressed air	1/4" BSP (F)		
Connection lubricant outlet	3/4" BSP (M)		
Max air consumption with 4 bar pressure	120 l/min		
Length suction tube	250 mm	-	250 mm
Diameter suction tube	50 mm		
Application	Wall mounted		
Weight	4.4 kg	6.6 kg	4.4 kg
Dimensions (LxWxH) (mm)	95x95x530	110x110x530	95x95x530



Art.no. **90083**

Mobile waste oil gravity drainer, suitable for the use under lifts, with collection container of 90 l capacity, level gauge, two fixed wheels and two castors, with wide collection bowl in painted steel of 14 l capacity incl. removable anti splash grid, 1.6 m discharge hose.

#### OPTIONAL:

- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (art. no. 90088).



Art. no.	Capacity collection bowl	Height adjustable	Capacity collection container	Max. collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90083</b>	14 l	1050-1600 mm	90 l	80 l	0.5 bar	28 Kg	504x460x1200



Ø 590 mm

Art.no. **90088**

Metal crown drain adapter, permits the enlargement of the collection diameter of the drain bowl.



Ø 400 mm

Waste oil suction units, consisting of a collection container with a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be suctioned with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art.no. **90020**

Mobile waste oil suction unit, with collection container of 24 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl. The unit can be discharged manually by taking off the cap on top of the container.

Art.no. **90022**

Same as art. no. 90020, but the unit can be discharged pneumatically by connecting it to compressed air.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90020</b>	0.8 bar	1.5 min	24 l	20 l	manual	10 Kg	390x360x940
<b>90022</b>	0.8 bar	1.5 min	24 l	20 l	0.5 bar	11 Kg	390x360x940



Art.no. **90030**

Mobile waste oil suction unit, with collection container of 90 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl.

The unit can be discharged pneumatically by connecting it to compressed air.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90030</b>	0.8 bar	1.5 min	90 l	80 l	0.5 bar	28 Kg	504x460x900





Art.no. **90018**

Mobile waste oil suction unit, with collection container of 24 l capacity and transparent inspection chamber of 6.5 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air.

The transparent inspection chamber allows to check the quality and the quantity of the suctioned oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface with the suction of a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90018</b>	0.8 bar	1.5 min	24 l	20 l	0.5 bar	15 Kg	390x360x950

Art.no. **90096**

Mobile waste oil suction unit, with collection container of 90 l capacity and transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air.

The transparent inspection chamber allows to check the quality and the quantity of the suctioned oil.

In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface with the suction of a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90096</b>	0.8 bar	1.5 min	90 l	80 l	0.5 bar	32 Kg	504x460x1340

Combined units that can be used as waste oil gravity drainers, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be suctioned with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.



Art.no. **90080**

Mobile, combined waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90080</b>	0.8 bar	1.5 min	90 l	80 l	0.5 bar	32 Kg	460x510x1200

Art.no. **90095**

Mobile, combined waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the suctioned oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface with the suction of a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90095</b>	0.8 bar	1.5 min	90 l	80 l	0.5 bar	34 Kg	460x510x1500

Combined units that can be used as waste oil gravity drainers, but also as waste oil suction units. The suction process can be carried out by using a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it, or alternatively by the use of a pneumatic 1:1 – pump which is mounted at the side of the collection container. The waste oil can be suctioned with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply (unless the suction is made with the pneumatic pump).



Art.no. **90050**

Mobile, combined waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with pneumatic pump, wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90050</b>	0.8 bar	1.5 min	90 l	80 l	0.5 bar	42 Kg	480x510x1400



Art.no. **90053**

Mobile, combined waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with pneumatic pump, wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the suctioned oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface with the suction of a small quantity of diesel or another non-aggressive cleaning agent.

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90053</b>	0.8 bar	1.5 min	90 l	80 l	0.5 bar	44 Kg	460x510x1500



Combined units that can be used as waste oil gravity drainers under a lift or as low level drainers on the floor using the pantograph function, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be suctioned with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art.no. **90081**

Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with rectangular collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl. Suitable for the use with passenger cars and motorbikes. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

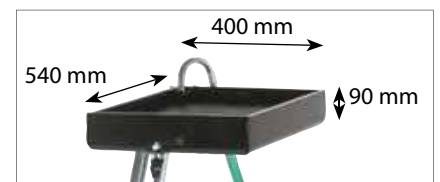


Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90081</b>	0.8 bar	1.5 min	90 l	80 l	0.5 bar	43 Kg	630x650x1700

Art.no. **90079**

Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with rectangular collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl. Suitable for the use with passenger cars and motorbikes. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube. The transparent inspection chamber allows to check the quality and the quantity of the suctioned oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface with the suction of a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90079</b>	0.8 bar	1.5 min	90 l	80 l	0.5 bar	45 Kg	500x600x1500



Combined units that can be used as waste oil gravity drainers under a lift or as low level drainers on the floor using the pantograph function, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be suctioned with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art.no. **90089**

Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 115 l capacity, two fixed wheels and two castors, with rectangular heavy duty collection bowl in painted steel of 50 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl.

Suitable for the use with passenger cars, motorbikes or trucks. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90089</b>	0.8 bar	1.5 min	115 l	100 l	0.5 bar	53 Kg	630x650x1700

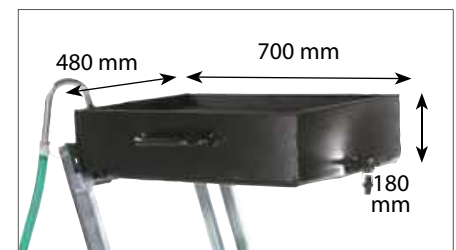
Art.no. **90090**

Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 115 l capacity, two fixed wheels and two castors, with rectangular heavy duty collection bowl in painted steel of 50 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters and storage bowl.

Suitable for the use with passenger cars, motorbikes or trucks.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the suctioned oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface with the suction of a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
<b>90205</b>	5x3 mm	0.25 l/min	1.05 l/min
<b>90208</b>	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>90090</b>	0.8 bar	1.5 min	115 l	100 l	0.5 bar	55 Kg	500x600x1700



Waste oil suction units which allow the suction of the oil with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor by means of a pneumatic rotary or piston pump or by means of an electric pump. The oil suction process is also possible with these units if the oil temperature is equal to the ambient temperature (unless in case of low temperatures).



Art.no. **90001**

OIL BLITZ – Mobile waste oil suction unit, composed of a pneumatic rotary gear pump, suction hose, kit of suction probes in different diameters (see on page 108), suction adapters, storage bowl, two wheels trolley and 20 l – capacity plastic can for collection of the suctioned oil.

Can be used also for suction of diesel from vehicle fuel tanks.

Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
<b>90001</b>	0.8 bar	1 - 4 bar	1:1	180 l/min	4 bar	17 kg	410x420x910

Pneumatic, wall-mounted pumps for the suction of waste oil by means of suitable suction probes. Particularly suitable in installations with centralized pipework for the suction of waste fluids and the distribution of new fluids.



Art.no. **90006**

Wall-mounted waste oil suction system, consisting of 1:1 - pneumatic piston pump, pressure regulator and air filter with moisture separator, kit of suction probes in different diameters and suction adapters (see on page 108), 3 m - suction hose with shut-off valve and connections, vacuumeter for the control of the suction process and 1.6 m - discharge hose with curved outlet tube.

On demand alternatively also a discharge hose with suitable connection to a pipework can be supplied.



Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight
<b>90006</b>	0.8 bar	1 - 4 bar	1:1	140 l/min	4 bar	11 Kg



Art.no. **90120**  
Art.no. **90120-110**

Mobile low level gravity waste oil drainer, suitable for the draining of motor oil, gear oil or differential oil from trucks and passenger cars. Available with collection capacity of 70 l and 110 l, with anti splash grid and removable, lateral antislash guard (optional). The unit can be discharged by gravity through the laterally mounted 3/4" drain valve.

**OPTIONAL:**

- lateral conveyor.



Art. no.	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
<b>90120</b>	70 l	3/4" BSP (F)	26 Kg	800x560x180
<b>90120-110</b>	110 l	3/4" BSP (F)	38 Kg	1400x560x180

Art.no. **90110**  
Art.no. **90110-110**



Mobile low level gravity drainer, suitable for the draining of waste oils and antifreeze from trucks and passenger cars by using the included pump kit for the eventual refilling of the liquid into the motor or circuit after finishing the service.

Available with collection capacity of 70 l and 110 l, with anti splash grid.

The pump kit art.no. 90100 consists of a pneumatic rotary pump (art.no. 31221-OT), pressure regulator with manometer, suction hose and dispensing hose with control gun and rigid outlet pipe.

Art. no.	Compressed air supply	Outlet pressure	Flow rate	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
<b>90110</b>	2-4 bar	4 bar	10.5 l/min	70 l	1/2" BSP (F)	34 Kg	800x560x180
<b>90110-110</b>	2-4 bar	4 bar	10.5 l/min	110 l	1/2" BSP (F)	46 Kg	800x560x285

Art.no. **90100**

Waste oil and antifreeze pumping kit composed of: air-operated rotary pump mod. 31221OT, pressure regulator with tap, flexible hoses and delivery gun. To be fitted on pans.



Art. no.	Compressed air supply	Outlet pressure	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
<b>90100</b>	2-4 bar	4 bar	10.5 l/min	3/8" BSP (F)	30 Kg	200x160x150

Art.no. **90122**  
Art.no. **90122-110**

Pit gravity waste oil drainer, suitable for the draining of motor oil, gear oil or differential oil from trucks and passenger cars. Available with collection capacity of 70 l and 110 l, with anti splash grid and metal rollers. Suitable for the use in service pits between the pit rails. It is possible to adapt the width according to the pit dimensions. The unit can be discharged by gravity through the laterally mounted 3/4" drain valve or by using an evacuation pump with suction hose and female quick coupling to be connected to the male coupling installed on the drainer.



Art. no.	Collection capacity	Width adjustment range (mm)	Connections	Weight	Dimensions (LxWxH) (mm)
<b>90122</b>	70 l	Min 900 - Max 1300	1/2" BSP (F)	27 Kg	800x560x180
<b>90122-110</b>	110 l			39 Kg	850x560x285

Art.no. **90124**  
Art.no. **90127**

Mobile low level gravity drainer, suitable for the draining of antifreeze from trucks and passenger cars by using the included pump kit for the eventual refilling of the liquid into the motor or circuit after finishing the service.  
Available with collection capacity of 70 l and 110 l, with anti splash grid.

The pumping kit consists of a pneumatic piston pump with 3:1 compression ratio, air tap, air pressure regulator, suction pipe and delivery hose with rigid stem.



Art.no. **31263**

Art. no.	Compressed air supply	Outlet pressure	Flow rate	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
<b>90124</b>	2-8 bar	24 bar	15 l/min	70 l	1/2" BSP (F)	34 Kg	800x560x180
<b>90127</b>				110 l		46 Kg	1400x560x180



Art.no. **011 KIT SONDE** Complete kit of 5 suction probes of different diameters and lengths and 2 suction adapters, with plastic probes holder.

Art.no. **90205** Flexible suction probe,  $\varnothing$  5 mm, length 800 mm.

Art.no. **90206** Flexible suction probe,  $\varnothing$  6 mm, length 800 mm.

Art.no. **90207** Flexible suction probe,  $\varnothing$  7 mm, length 1500 mm.

Art.no. **90207-20** Flexible suction probe,  $\varnothing$  7 mm, length 2000 mm.

Art.no. **90208** Flexible suction probe,  $\varnothing$  8 mm, length 800 mm.

Art.no. **90226** Rigid suction probe,  $\varnothing$  6 mm, length 800 mm.

Art.no. **90293** Suction adapter for VOLKSWAGEN vehicles.

Art.no. **90292** Suction adapter for MERCEDES vehicles.

Furthermore are available on demand the following models:

Art.no. **90294** Suction adapter for PEUGEOT and CITROEN vehicles.

Art.no. **90295** Suction adapter for BMW vehicles.

Art.no. **90296** Suction adapter for AUDI vehicles.

Art.no.	Suction probes included
<b>011 KIT SONDE</b>	<b>90205 - 90206 - 90207 - 90208 - 90226 - 90293 - 90292</b>

Waste fluids storage tanks, made in plastic or in steel, compliant with the valid norms regulating the storage of waste fluids (Italian directive 392/96 according to European directives 75/349 EEC and 87/101 EEC).

Art.no. **49802 - 300 l**  
Art.no. **49801 - 260 l**  
Art.no. **49803 - 500 l**

Waste oil storage tank, with double wall in polyethylene (one internal in contact with the oil and one external which serves as a spill containment and security container for the internal one).

The tank is equipped with a wide dome with raisable cover. In its interior there is a removable basket for the drain of oil filters and the opening for charging and discharging the tank.

At the rim of the dome a mechanical level gauge is installed that permits the control of the filling level and a transparent indicator on the side of the external tank allows to detect eventual leakages of the internal tank immediately.

The tank is available in different colours for the storage of different liquids, such as mineral oils, vegetable oils, break fluid, oil-based emulsions or antifreeze.



Art.no.	Capacity (l)	Weight (Kg)	Dimensions (LxWxH) (mm)
<b>49802</b>	300	26	820x820x1080
<b>49801</b>	260	23	800x800x1170
<b>49803</b>	500	37	960x960x1240



Pneumatic brake bleeding unit with two chambers which are hermetically separated by an elastic diaphragm. One chamber of the container contains the brake fluid, the other chamber serves as reservoir for the compressed air. Max. working pressure 2 bar. The diaphragm permits to separate the brake fluid and the compressed air, avoiding like that the risk of an emulsion.

Art.no. 51100

Art.no. 51100

Pneumatic brake bleeding unit, with pressure regulator, 3 m – spiral fluid supply hose, for the bleeding of brakes and clutches, including those with ABS. Container capacity: 9 l.

The unit includes also the following accessories:

- 2 plastic jerrycans for the collection of the brake fluid, art. no. 51101,
- 2 plastic bleeding hoses, art. no. 51103,
- 1 plastic funnel, art. no. 51102.



Art.no. 51101



Art.no. 51102

Art.no. 51103

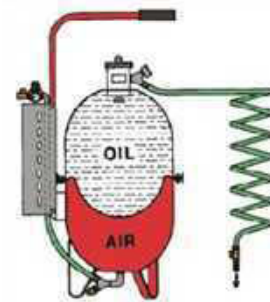


Art.no.	Weight	Dimensions (LxWxH) (mm)
<b>51100</b>	8.5 Kg	270x340x700

Art.no. 51105

Mobile brake bleeding unit, consisting of:

- trolley with 4 castors,
- pneumatic brake bleeding unit, art. no. 51100,
- 2 bleeding adapters for passenger cars art. no. 5110004 and 5110008,
- 2 plastic jerrycans for the collection of the brake fluid, art. no. 51101,
- 2 plastic bleeding hoses, art. no. 51103,
- 1 plastic funnel, art. no. 51102.



Art.no.	Weight	Dimensions (LxWxH) (mm)
<b>51105</b>	30 Kg	500x610x1130

Art.no. 5110004  
Art.no. 5110008



Art.no. 5110004

Brake bleeding adapters external diameter 47 mm

Art.no. 5110008

Brake bleeding adapters external diameter 44 mm



Art.no. 5110025

Art.no. 5110025

Universal brake bleeding adapter, suitable for the use in most of the existing passenger cars and trucks.

OMPI grease pumps are a well - proven product line since many years. The brass and aluminum alloy pneumatic motor assures a reliable use and a simple maintenance. The pumping system includes a rod in hardened steel, suitable also for heavy duty applications. The gaskets and seals are suitable for the use with almost all multipurpose greases on the basis of mineral oil from viscosity NLGI 000 up to NLGI 3.

The **VISCOSITY** of a fluid describes its capability to resist the movements of its particles.

The **COMPRESSION RATIO** describes the ratio between the surface of the piston inside of the pump motor and the surface of the piston that is pumping the fluid. The bigger this value is, the higher is the outlet pressure of the fluid. Since greases are mixtures of mineral oils and soaps (dense, inorganic substances) and therefore have a high viscosity, it is necessary to use pumps for the dispensing that have a high compression ratio such as 50:1 – or 100:1 – pumps.

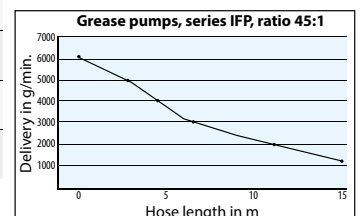
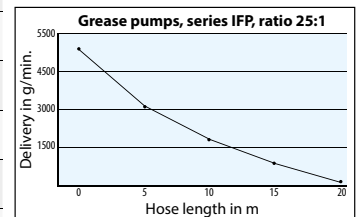
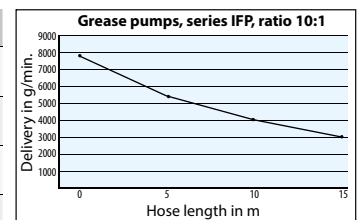
 <p><b>10:1</b></p> <p>7.8 kg/min. - 80 bar</p> <p>Transfer and filling at short distance.</p>	 <p><b>25:1</b></p> <p>5.1 kg/min. - 200 bar</p> <p>Transfer and filling at short distance with high viscosity.</p>
 <p><b>45:1</b></p> <p>6.3 kg/min. - 360 bar</p> <p>Transfer and filling at short distance with high viscosity.</p>	 <p><b>50:1</b></p> <p>2.9 kg/min. - 400 bar</p> <p><b>Standard model.</b> Dispensing of grease at short and medium distances or for high pressure lubrication.</p>
 <p><b>100:1</b></p> <p>2.7 kg/min. - 800 bar</p> <p>Dispensing of grease at long distances or for high pressure lubrication.</p>	 <p><b>TWDE</b></p> <p>3.8 kg/min. - 800 bar</p> <p>Increased delivery at high and very high pressure.</p>
 <p><b>POWER BULL</b></p> <p>22 kg/min. - 56 bar</p> <p>Industrial application: supply of grease under demanding conditions at high pressure and/or with a high delivery.</p>	 <p><b>DIVORCED POWER BULL</b></p> <p>Pumps for the supply of grease under demanding conditions at high pressure and/or with a high delivery. The motor and the pumping assembly are separated to avoid any potential fluid contamination.</p>

Pneumatic pumps for the transfer of grease or high viscosity oils at a constant pressure.

Grease



Art. no.	81886-20	81886-60	81886	81822	81862	81883	81887-20	81887-60	81887
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			Pressure min 2 - max 8 bar (30 - 116 psi)			Pressure min 2 - max 8 bar (30 - 116 psi)		
Compression ratio	10:1			25:1			45:1		
Outlet pressure	80 bar (1200 psi)			200 bar (2900 psi)			360 bar (5200 psi)		
Flow rate	7800 g/min			5100 g/min			6300 g/min		
Connection compressed air	3/8" BSP (F)			1/4" BSP (F)			3/8" BSP (F)		
Connection lubricant outlet	1/2" BSP (M)			1/2" BSP (M)			1/2" BSP (M)		
Max air consumption with 8 bar pressure	165 l/min			78 l/min			165 l/min		
Length suction tube	450 mm	750 mm	950 mm	450 mm	750 mm	950 mm	450 mm	750 mm	950 mm
Diameter suction tube	33 mm			28 mm			28 mm		
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x690	95x95x780	95x95x1005	95x95x690	95x95x780	95x95x1005
Suitable for pails / drums of	18 - 25 kg	50 kg	180 kg	18 - 25 kg	50 kg	180 kg	18 - 25 kg	50 kg	180 kg
Weight	4.5 kg	5.3 kg	5.7 kg	4.2 kg	5 kg	5.6 kg	4.4 kg	5.2 kg	5.8 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the use in short and medium distance dispensing lines or for high pressure lubrication.

Grease

50:1



For 16 kg – pails



For 18/25 kg – pails



For 50 kg – drums



For 180 kg – drums

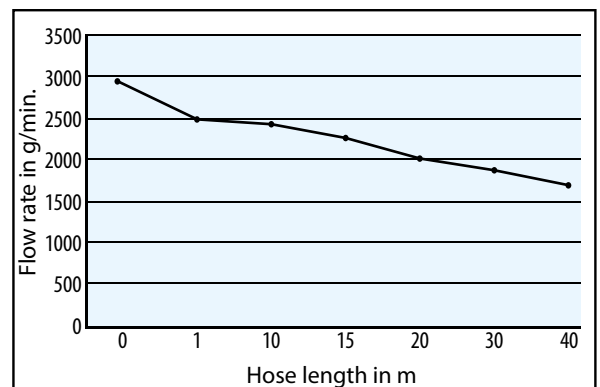
Art.no. **81818-P**

Art.no. **81820**

Art.no. **81860**

Art.no. **81880**

Art. no.	81818-P	81820	81860	81880
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	50:1			
Outlet pressure	400 bar (5800 psi)			
Flow rate	2900 g/min			
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	1/4" BSP (M)			
Max air consumption with 8 bar pressure	78 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.8 kg	4.5 kg	5 kg	5.6 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".



Pneumatic pumps for the use in long distance dispensing lines or for high pressure lubrication.

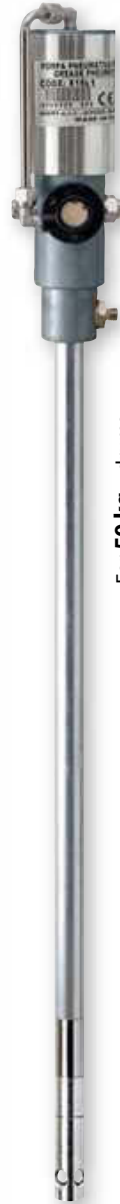
100:1



For 16 kg – pails



For 18/25 kg – pails



For 50 kg – drums



For 180 kg – drums

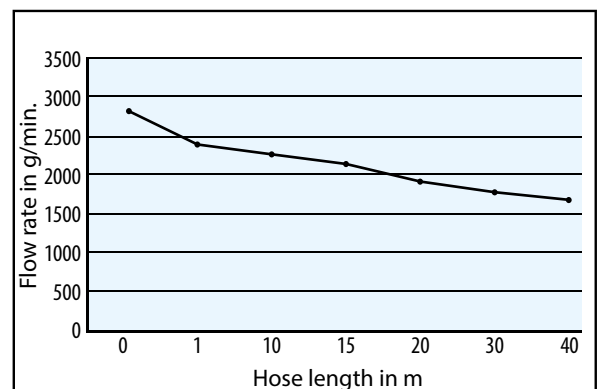
Art.no. **81819**

Art.no. **81821**

Art.no. **81861**

Art.no. **81881**

Art. no.	81819	81821	81861	81881
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	100:1			
Outlet pressure	800 bar (11600 psi)			
Flow rate	2700 g/min			
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	1/4" BSP (M)			
Max air consumption with 8 bar pressure	110 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.8 kg	4.2 kg	5 kg	5.6 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the dispensing of grease – particularly high viscosity grease - or for high pressure lubrication and a use in long distance dispensing lines. The TWDE series pumps combine a high compression ratio with an innovative constructional concept that permits to increase the delivery of the pump considerably. The escape of compressed air is improved by the use of a double distributor which at the same time reduces the formation of condensation water inside of the pump motor.

100:1



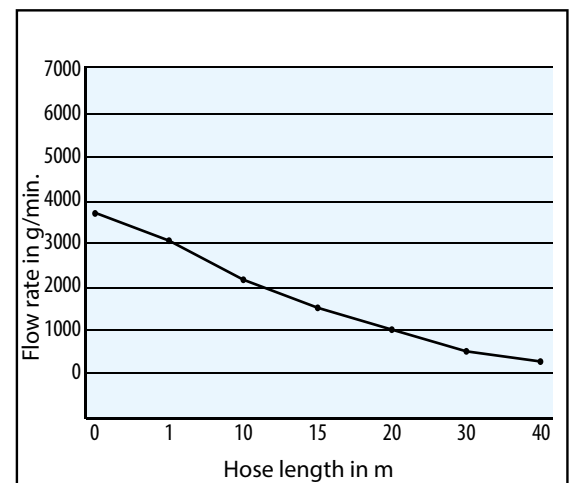
Art.no. **81819TWDE**

Art.no. **81821TWDE**

Art.no. **81861TWDE**

Art.no. **81881TWDE**

Art. no.	81819 TWDE	81821 TWDE	81861 TWDE	81881 TWDE
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	100:1			
Outlet pressure	800 bar (11600 psi)			
Flow rate	3800 g/min			
Connection compressed air	3/8" BSP (F)			
Connection lubricant outlet	1/2" BSP (M)			
Max air consumption with 8 bar pressure	165 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.9 kg	4.3 kg	5.1 kg	5.7 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the dispensing of high quantities of grease at low pressure.

2,5:1

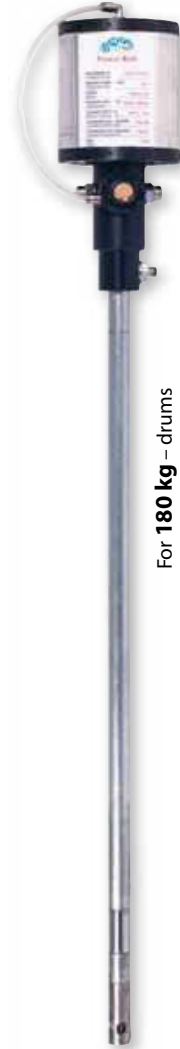


For 180 kg – drums

Art. no.	81889
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)
Compression ratio	2.5:1
Outlet pressure	20 bar (290 psi)
Flow rate	12000 g/min
Connection compressed air	1/4" BSP (F)
Connection lubricant outlet	3/4" BSP (M)
Max air consumption with 8 bar pressure	110 l/min
Length suction tube	950 mm
Diameter suction tube	55 mm
Dimensions LxWxH (mm)	105x105x1320
Suitable for pails / drums of	180 kg
Weight	8.4 kg

Pneumatic pumps for the dispensing of grease at high pressure.

250:1



For 180 kg – drums

Art. no.	81888
Compressed air supply	Pressure max 5 bar
Compression ratio	250:1
Outlet pressure	1100 bar (16000 psi)
Flow rate	800 g/min
Connection compressed air	1/4" BSP (F)
Connection lubricant outlet	1/4" BSP (M)
Max air consumption with 8 bar pressure	165 l/min
Length suction tube	950 mm
Diameter suction tube	28 mm
Dimensions LxWxH (mm)	130x130x1250
Suitable for pails / drums of	180 kg
Weight	9, kg

Grease

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Heavy duty pneumatic pumps, industrial pump Power Bull series, designed for the supply of grease under demanding conditions. Particularly suitable for the grease distribution in pipeworks and installations where a simultaneous supply of grease is required on different dispensing points at high pressure and/or with a high delivery.



Art.no. 81730



Art.no. 81725

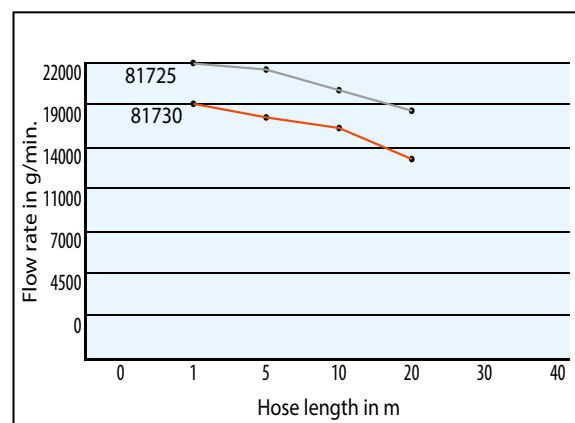
Art.no.  
81730

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	19.00	18.00	18.00	18.00	104
5	18.00	16.00	13.20	11.00	96
10	17.50	14.90	12.60	9.10	70
20	13.80	11.10	7.60	6.90	49

Art.no.  
81725

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	22.00	21.00	21.00	21.00	56
5	21.50	20.00	16.90	14.20	38
10	20.00	18.40	15.00	12.10	20
20	18.60	17.00	10.20	7.40	14

Art. no.	81730	81725
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)	
Compression ratio	13:1	7:1
Max outlet pressure	104 bar (1500 psi)	56 bar (812 psi)
Flow rate	19000 g/min	22000 g/min
Max frequency strokes/min	60	120
Connection compressed air	1/2" BSP (F)	
Connection lubricant outlet	1" BSP (M)	
Max air consumption with 8 bar pressure	1.80 m³/min	1.92 m³/min
Diameter pneumatic piston	160 mm	125 mm
Diameter suction tube	70x50 mm	70x50 mm
Suitable for pails / drums of	180 kg	180 kg
Weight	26 kg	22 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.





Art.no. **81720**

Art.no. **81710**

Art.no. **81715**

Art.no. **81740**

Art. no.	<b>81720</b>	<b>81710</b>	<b>81715</b>	<b>81740</b>
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	30 : 1	50 : 1	90 : 1	75 : 1
Max outlet pressure	240 bar (3500 psi)	400 bar (5800 psi)	720 bar (10450 psi)	600 bar (8700 psi)
Flow rate	15000 g/min	12000 g/min	7000 g/min	4900 g/min
Max frequency strokes/min	150	120	60	60
Connection compressed air	1/2" BSP (F)			
Connection lubricant outlet	1" BSP (M)			
Max air consumption with 8 bar pressure	1.86 m <sup>3</sup> /min	1.92 m <sup>3</sup> /min	1.80 m <sup>3</sup> /min	1.80 m <sup>3</sup> /min
Diameter pneumatic piston	100 mm	125 mm	160 mm	160 mm
Diameter suction tube	50x22 mm			
Suitable for pails / drums of	180 kg			
Weight	18 kg	22 kg	24 kg	25 kg

Art. no. **81720**

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	15.00	12.70	11.60	9.30	240
5	14.60	10.30	8.50	5.30	200
10	10.50	8.00	6.20	3.80	165
20	8.60	5.20	4.10	3.10	140
30	6.50	4.40	3.80	2.20	130
40	5.30	4.10	3.40	1.70	110
50	4.20	3.80	6.00	0.80	85
70	3.00	2.50	1.80	0.30	60

Art. no. **81710**

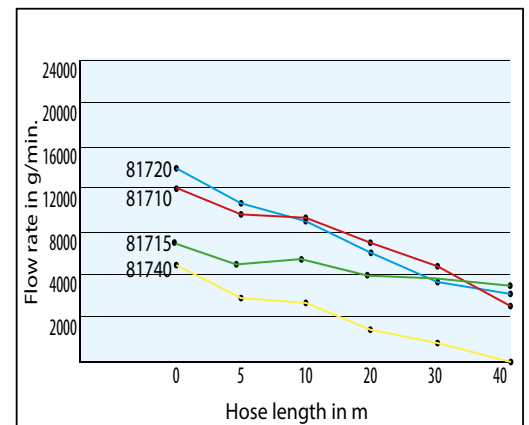
Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	12,00	9,60	8,60	7,80	400
5	11,80	9,00	7,90	5,60	360
10	11,10	8,20	6,70	4,00	240
20	9,50	6,40	4,80	2,30	220
30	7,70	4,70	3,10	2,10	180
40	6,90	3,20	2,50	1,70	150
50	6,50	2,80	2,20	1,40	110
70	6,10	2,50	1,90	0,90	85

Art. no. **81715**

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	7.00	6.30	5.70	5.10	720
5	6.80	5.80	5.20	4.10	680
10	6.40	5.30	4.70	3.50	420
20	5.90	4.30	3.50	2.10	400
30	4.80	3.30	2.90	1.90	370
40	4.50	2.90	2.50	1.70	340
50	4.30	2.60	2.20	1.60	250
70	4.00	2.20	2.10	1.30	180

Art. no. **81740**

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	4,90	4,70	4,60	3,90	600
5	4,70	4,50	4,10	3,10	580
10	4,30	4,00	3,60	2,50	360
20	4,20	3,70	3,00	1,70	340
30	4,00	2,70	2,20	1,40	320
40	3,80	2,50	1,90	1,20	280
50	3,70	2,20	1,70	1,00	200
70	3,60	1,80	1,60	0,80	120



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.

The industrial pump Power Bull series in the divorced version allows the combination of 4 different pneumatic motors with 4 different suction tubes so that 4 different configurations can be composed. In these models the air-operated motor and the pumping assembly are separated in order to avoid any potential fluid contamination of the motor.



Art. no. Pump	81745	81755	81735	81765
Art. no. pneumatic motor	81748	81746	81738	81736
Art. no. suction tube	81747	81737	81749	81739
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	50 : 1	7 : 1	90 : 1	13 : 1
Outlet pressure	400 bar (5800 psi)	56 bar (816 psi)	720 bar (10443 psi)	104 bar (1500 psi)
Flow rate	12000 g/min	22000 g/min	7000 g/min	19000 g/min
Max frequency strokes/min	120		60	
Connection compressed air	1/2" BSP (F)			
Connection lubricant outlet	1" BSP (M)			
Max air consumption with 8 bar pressure	1.92 m³/min		1.80 m³/min	
Diameter pneumatic piston	125 mm		160 mm	
Diameter suction tube	Ø est. 50 mm - Ø pist. 22 mm	Ø est. 70 mm - Ø pist. 30 mm	Ø est. 50 mm - Ø pist. 22 mm	Ø est. 70 mm - Ø pist. 30 mm
Dimensions	160x160x1700 mm			
Suitable for drums of	180 kg			
Weight	21 kg	23 kg	25 kg	27 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.

## MOTOMATIC® System Patent no. 32188 C/80

In the year 1986 the innovative MOTOMATIC® – system has been developed and patented.

Motomatic® is a pneumatic pumping system which is characterized by the use of a single motor which can be applied on various suction tubes. The pumping system is activated by connecting the motor – which is provided with a quick coupling - to the installed suction tubes that differ depending on the lubricant that shall be pumped.

This solution offers a significant practical and economical advantage for pumping greases, oils, antifreeze or diesel, since it allows the user to leave the various suction tubes installed in the drums and to use the same pneumatic motor for pumping the required lubricant.



Pneumatic motor

Art.no. **30000**

Interchangeable  
suction tubes



Art.no. **30007**



Art.no. **30004**



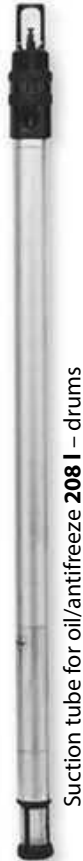
Art.no. **30005**



Art.no. **30006**  
Art.no. **30008**



Art.no. **30001**



Art.no. **30002**  
Oil

Art.no. **30003**  
Antifreeze



Art. no.	30000	30007	30004	30005	30008	30006	30001	30002	30003
Compressed air supply	2-8 bar (30 - 116 psi)	-							
Compression ratio	-	50 : 1			15 : 1	50 : 1	1 : 1	3 : 1	
Outlet pressure	-	400 bar (5800 psi)			120 bar (1740 psi)	400 bar (5800 psi)	8 bar (116 psi)	24 bar (360 psi)	
Flow rate	-	2900 g/min			7000 g/min	2900 g/min	48 l/min	23 l/min	
Connection compressed air	1/4" BSP (F)	-							
Connection lubricant outlet	-	1/4"BSP (M)			1/2"BSP (M)	1/4"BSP (M)	3/4"BSP (M)	1/2"BSP (M)	
Max air consumption with 8 bar pressure	115 l/min	-							
Length suction tube	-	335 mm	450 mm	750 mm	950 mm				
Diameter suction tube	-	28 mm					55 mm	40 mm	
Dimensions LxWxH (mm)	95x95x420	30x31x435	30x31x550	30x31x850	30x31x1050				
Suitable for pails / drums of	-	16 kg	25 kg	50 kg	180 kg		208 l		
Weight	3.5 kg	0.8 kg	1 kg	1.3 kg	1.5 kg		2.1 kg	1.9 kg	

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 and hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.

OMPI presents a new range of **electrically driven pumps** for high-pressure grease transfer and lubrication, with high performance in order to meet the needs of lubrication where only electric current is available.

A complete range is available with 12/24 VDC, 230 VAC single-phase, 230/380 VAC three-phase motors; these are suitable for different drums size, from 16-25 kg, 50 kg to 180 kg.

OMPI electric pumps are extremely adaptable, and they find application both where **rapid transfer** and short distance filling are required, up to **high pressure** pumps for long distance grease distribution or forced lubrication.

The line is completed with **the portable 12/24 VDC pump**, slight and easy to handle, in order to support the operations in centralized lubrication, like: wind turbines, garages, production areas, mining vehicles and general equipment.

All pumps offer the possibility to easily switch between different lengths of suction tubes and are also provided with a relief valve and can be used in mobile applications thanks to **OMPI** electric grease wheeled dispensing kit.



## 230 V Single-phase

**Art.no. 83400-x**  
400 g/min. - 300 bar

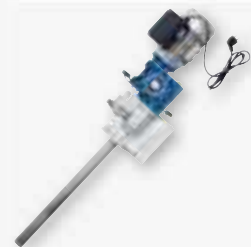
**HIGH  
PRESSURE**  
(see page 121)



## 230 V Single-phase

**Art.no. 83450-x**  
1200 g/min. - 100 bar

**HIGH  
PRESSURE**  
(see page 121)



## 230 V Single-phase

**Art.no. 83950**  
4000 g/min. - 50 bar

**FOR GREASE  
TRANSFER**  
(see page 122)



## 230/380 V Three-phase

**Art.no. 83600-x**  
400 g/min. - 400 bar

**HIGH  
PRESSURE**  
(see page 123)



## 230/380 V Three-phase

**Art.no. 83650-x**  
1200 g/min. - 200 bar

**HIGH  
PRESSURE**  
(see page 123)



## 230/380 V Three-phase

**Art.no. 83960**  
8000 g/min. - 70 bar

**FOR GREASE  
TRANSFER**  
(see page 124)



## 230/380 V Three-phase

**Art.no. 83955**  
4000 g/min. - 70 bar

**FOR GREASE  
TRANSFER**  
(see page 124)



## 12/24 V

**Art.no. 83300-x - 83350-x**  
100 g/min. - 200 bar

**HIGH  
PRESSURE**  
(see page 125)



## 12 V

**Art.no. 83390-x**  
100 g/min. - 250 bar

**HIGH  
PRESSURE**  
(see page 126)



## 24 V

**Art.no. 83395-x**  
100 g/min. - 250 bar

**HIGH  
PRESSURE**  
(see page 126)

OPTIONAL

## ELECTRICAL SAFETY PANEL 230 VAC SINGLE-PHASE



Art.no. **70950**

Plastic electrical safety panel which allows the stop of the pump at the end of the delivery.

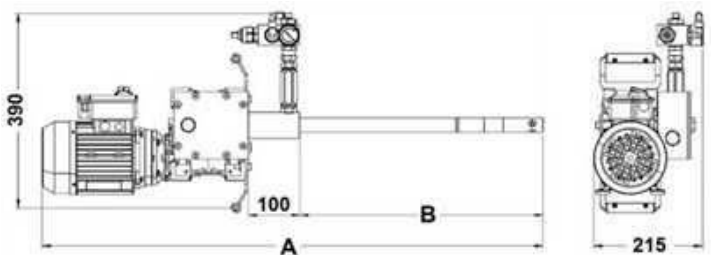
This kit includes the adjustable pressure switch.

Art.no.	Dimensions	Weight	Ampere	Frequency	Protection
<b>70950</b>	195x150x170(h) mm	3 kg	4 A	50 Hz	IP 55

Art.no. **83400-20**    Art.no. **83450-20**  
 Art.no. **83400-60**    Art.no. **83450-60**  
 Art.no. **83400**        Art.no. **83450**

Electric pumps **230 VAC single-phase 50 Hz** (upon request **60 Hz**), designed for grease distribution or forced lubrication in demanding centralized applications where the power supply is available. These pumps offer the possibility to easily switch between different lengths of suction tubes and are also provided with a relief valve.

**Optional:** Electric panel and pressure switch aluminum bung adapter to fix the pump  $\varnothing$  28 mm - art.no. 030067, aluminum lock ring for bung adapter  $\varnothing$  28 mm art.no. 030066.



Art.no.	Voltage	Engine revolutions reduction ratio	Total length (A)	Suction tube length (B)	Suction tube dimensions	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
83400-20	230 VAC single-phase 50 Hz	7,5:1	985	480 mm	Outer diameter 28 mm	300 bar (4351 psi)	400 g/min	1400	0,75 kW	18 - 25 kg	20 kg
83400-60			1245	740 mm	Piston diameter 14 mm					50 kg	21 kg
83400			1450	950 mm	Piston diameter 14 mm					180 kg	22 kg
83450-20			985	480 mm	Outer diameter 28 mm	100 bar (1450 psi)	1200 g/min			18 - 25 kg	20 kg
83450-60			1245	740 mm	Piston diameter 16 mm					50 kg	21 kg
83450			1450	950 mm	Piston diameter 16 mm					180 kg	22 kg

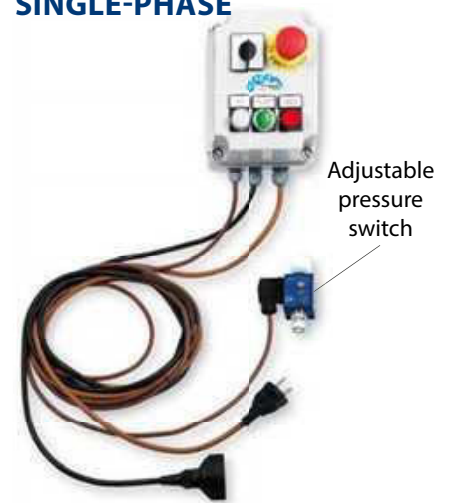
The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C





OPTIONAL  
Bracket  
Art.no. 32200

## ELECTRICAL SAFETY PANEL 230 VAC SINGLE-PHASE



Adjustable  
pressure  
switch

Art.no. **70950**

Plastic electrical safety panel which allows the stop of the pump at the end of the delivery.

This kit includes the adjustable pressure switch.

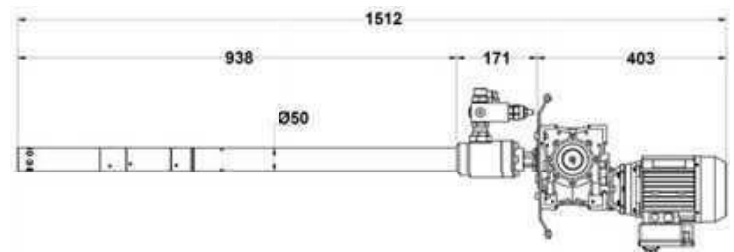
Art.no.	Dimensions	Weight	Ampere	Frequency	Protection
<b>70950</b>	195x150x170(h) mm	3 kg	4 A	50 Hz	IP 55

Art.no. **83950**

Electric pump **230 VAC single-phase 50 Hz** (upon request **60 Hz**) for grease transfer in centralized applications where power supply is available. The pump is also provided with a relief valve.

### Optional:

- Electrical panel and pressure switch
- Pivoting wall bracket art.no. 32200.

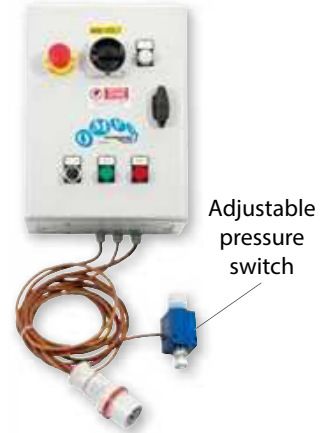


Art.no.	Voltage	Engine revolutions reduction ratio	Suction tube dimensions	Suction tube length	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
<b>83950</b>	230 VAC single-phase 50 Hz	7.5:1	<b>Outer diameter 50 mm</b> <b>Piston diameter 30 mm</b>	950	50 bar (725 psi)	<b>4000 g/min</b>	1400	1.1 kW	180 kg	26 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C

OPTIONAL

## ELECTRICAL SAFETY PANEL 230 VAC / 380 VAC THREE-PHASE



Art.no. **70955**  
Art.no. **70960**

Metal electrical safety panel 230 VAC (Art.no. 70955) or 280 VAC (Art.no. 70960) which allows to stop of the pump at the end of the dispensing operation.

This kit includes the pressure switch.

Art.no.	Dimensions	Alim.	Weight	Ampere	Frequency	Protection
<b>70955</b>	600x400x280(h) mm	230 V	10 kg	4 A	50 Hz	IP 55
<b>70960</b>		380 V				

Art.no. **83600-20** Art.no. **83650-20**  
Art.no. **83600-60** Art.no. **83650-60**  
Art.no. **83600** Art.no. **83650**

Electric pumps **230VAC / 380 VAC three-phase 50 Hz** (upon request **60 Hz**), designed for grease distribution or forced lubrication in demanding centralized applications where the power supply is available. These pumps offer the possibility to easily switch the different lengths of suction tubes and are also provided with a relief valve.

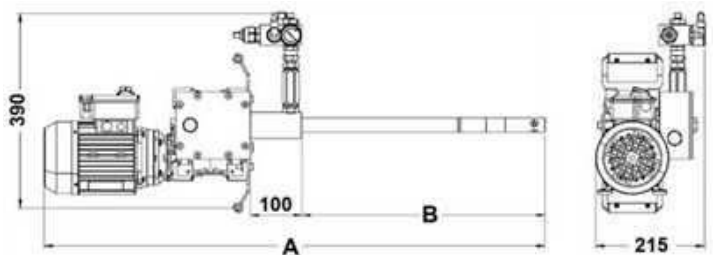
**Optional:** electric panel and pressure switch, Ø 28 mm Aluminum drum bung adapter Art.no. 030067, Ø 28 mm Aluminum lock ring Art.no. 030066.

OPTIONAL  
Bung adapter  
Art.no. **030067**

Lock ring for bung adapter  
Art.no. **030066**

Art.no. **83600-...**  
Ø 28x14mm

Art.no. **83650-...**  
Ø 28x16mm



Art.no.	Voltage	Ampere	Engine revolutions reduction ratio	Total length (A)	Suction tube length (B)	Suction tube dimensions	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
<b>83600-20</b>	230 VAC / 380 VAC - three-phase - 50 Hz	5,3 A (230V)	7,5:1	1025	480	Outer diameter 28 mm Piston diameter 14 mm	400 bar (5801 psi)	400 g/min	1400	0,75 kW	18 - 25 kg	22 kg
<b>83600-60</b>				1285	740						50 kg	23 kg
<b>83600</b>				1490	950						180 kg	24 kg
<b>83650-20</b>		3,1 A (380V)	10:1	1025	480	Outer diameter 28 mm Piston diameter 16 mm	250 bar (3626 psi)	1200 g/min	2850	1,1 kW	18 - 25 kg	22 kg
<b>83650-60</b>				1285	740						50 kg	23 kg
<b>83650</b>				1490	950						180 kg	24 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



OPTIONAL  
Bracket  
Art.no. 32200

## ELECTRICAL SAFETY PANEL 230 VAC / 380 VAC THREE-PHASE

OPTIONAL



Adjustable  
pressure  
switch

Art.no. 70955  
Art.no. 70960

Metal electrical safety panel 230 VAC (Art.no. 70955) or 280 VAC (Art.no. 70960) which allows to stop of the pump at the end of the dispensing operation.

This kit includes the pressure switch.

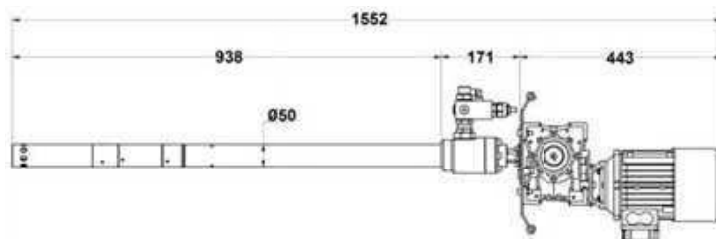
Art.no.	Dimensions	Alim.	Weight	Ampere	Frequency	Protection
70955	600x400x280(h) mm	230 V	10 kg	4 A	50 Hz	IP 55
70960		380 V				

Art.no. 83960  
Art.no. 83955

Electric pump **230 VAC / 380 VAC three-phase 50 Hz** (upon request **60 Hz**) for grease transfer in centralized applications where power supply is available. These pumps offer the possibility to easily switch the different lengths of suction tubes and are also provided with a relief valve.

### Optional:

- Electrical panel and pressure switch
- Pivoting wall bracket Art.no. 32200



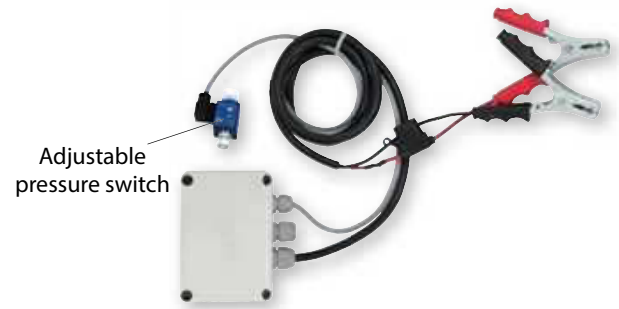
Art.no.	Voltage	Engine revolutions reduction ratio	Suction tube dimensions	Suction tube length	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
83960	230 VAC / 380 VAC - three-phase - 50 Hz	7.5:1	Outer diameter 50 mm	950	70 bar (1015 psi)	8000 g/min	2800	1.1 kW	180 kg	27 kg
83955			Piston diameter 30 mm			4000 g/min	1400	0.75 kW		26 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



## ELECTRICAL SAFETY PANEL 12/24 VDC

OPTIONAL



Grease

Art.no. **70970**

Art.no. **70975**

Electrical safety panel for 12/24 VDC models, including battery clamps and relief valve. Adjustable pressure up to 200 bar. It allows to activate the pump while operating on the delivery gun and to stop it when the pressure reaches the set threshold.

Art.no.	Dimensions	Voltage	Weight	Protection
<b>70970</b>	180x95x95 (h) mm	12 VDC	1 kg	IP 55
<b>70975</b>		24 VDC		

Art.no. **83300-20**

Art.no. **83300-60**

Art.no. **83300**

Art.no. **83350-20**

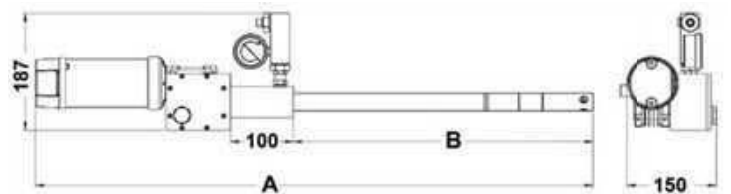
Art.no. **83350-60**

Art.no. **83350**

**12VDC** and **24VDC** electric pumps (respectively 83300 and 83350 series), designed for grease distribution or forced lubrication in demanding centralized applications where the power supply is available. The pumps are also provided with a relief valve.

### Optional:

- Electrical panel and pressure switch
- ø 28 mm Aluminum drum bung adapter art.no. 030067
- ø 28 mm Aluminum lock ring art.no. 030066.



Art.no.	Voltage	Engine revolutions reduction ratio	Total length (A)	Suction tube length (B)	Suction tube dimensions	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
83300-20	12 VDC	20 : 1	890 mm	480 mm	Outer diameter 28 mm	200 bar (2900 psi)	100 g/min	3400	250 W	18 - 25 kg	12 kg
83300-60			1150 mm	740 mm						50 kg	13 kg
83300			1360 mm	950 mm						180 kg	14 kg
83350-20	24 VDC		890 mm	480 mm	Piston diameter 14 mm					18 - 25 kg	12 kg
83350-60			1150 mm	740 mm						50 kg	13 kg
83350			1360 mm	950 mm						180 kg	14 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



**Special lengths upon request.**  
**Easy disassembly and change of suction tubes.**

**Equipped with:**

- Adjustable pressure switch;
- MAX 250 bar overpressure valve;
- Exhaust valve.

**Optional:**

- Drum cover in galvanized steel;
- Follower plate with rubber diaphragm.

## LIGHTWEIGHT AND HANDY

**SUITABLE FOR:**

- wind turbines
- garages
- productions areas
- mining and construction vehicles



Art.no. **83390-20**

Art.no. **83390-60**

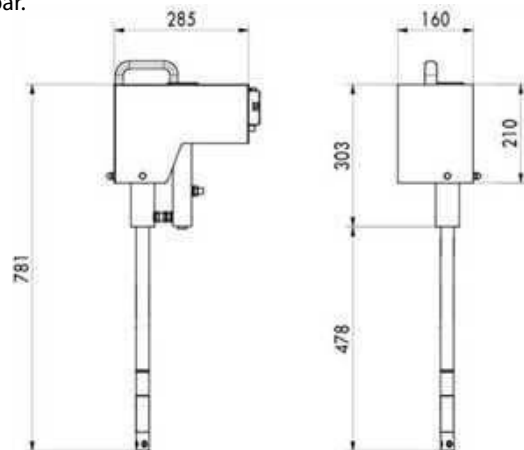
Art.no. **83390**

Art.no. **83395-20**

Art.no. **83395-60**

Art.no. **83395**

**12 VDC and 24 VDC portable** electric pumps (respectively 83390 and 83395 series), designed for grease distribution or forced lubrication in demanding centralized applications where the power supply is available. Designed to be easy to handle and transport, the pump is also provided with a relief valve, adjustable up to 250 bar.



Art.no.	Voltage	Ampere	Engine revolutions reduction ratio	Suction tube dimensions	Suction tube length	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
<b>83390-20</b>	12 VDC	25 A	20:1	<b>Outer diameter 28 mm</b>	480 mm	250 bar (3626 psi)	<b>100 g/min</b>	3400	250 W	18 - 25 kg	16 kg
<b>83390-60</b>										50 kg	
<b>83390</b>										180 kg	
<b>83395-20</b>	24 VDC	25 A	20:1	<b>Piston diameter 14 mm</b>	480 mm	250 bar (3626 psi)	<b>100 g/min</b>	3400	250 W	18 - 25 kg	
<b>83395-60</b>										50 kg	
<b>83395</b>										180 kg	

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



Electric kit for grease distribution for drums of different sizes are suitable in any work environment thanks to the handy trolley.



Art.no. **83800**  
Art.no. **83800-60**

Trolley  
Art.no. **80726**

Not included



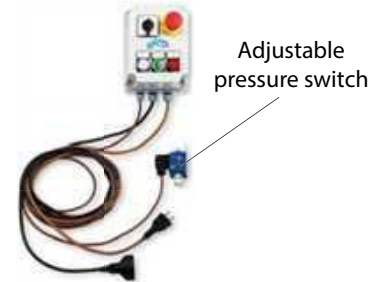
Art.no. **83001**

Trolley  
Art.no. **80792**

Not included

OPTIONAL

## ELECTRICAL SAFETY PANEL 230 VAC SINGLE-PHASE



Adjustable  
pressure switch

Art.no. **70950**

Plastic electric safety panel which allows the stop of the pump at the end of the delivery.

This kit includes the adjustable pressure switch.

Art.no.	Dimensions (mm)	Weight	Ampere	Frequency	Protection
<b>70950</b>	195x150x170(h)	3 kg	4 A	50 Hz	IP 55

### Kit base composition:

- electric pump (art.no. 83400-60);
- rubber hose SAE 100 R2 AT, 1/4" BSP length 3 m (art.no. 81003);
- gun with flexible hose – length 300 mm - ø10mm and four-jaws fitting (art.no. 88410);
- triple swivel joint (Art.no. 88442).

Art.no. **83800**

Mobile greasing kit, with electric engine pump 230 VAC **single-phase**, **for 18-25 kg drums** with base composition and:

- drum cover ø 330-290 mm (art.no. 80520)
- follower plate ø 310-260 mm (art.no. 80628-VU)
- trolley with 4 rotating wheels (art.no. 80726).

Art.no. **83800-60**

Mobile greasing kit, with electric engine pump 230 VAC single-phase, **for 50 kg drums** with base composition and:

- drum cover ø 400-360 mm (art.no. 80560)
- follower plate ø 390-325 mm (art.no. 80634-VU)
- trolley with 4 rotating wheels (art.no. 80726).

Art.no. **83001**

Mobile greasing kit, with electric engine pump 230 VAC single-phase, **for 180 kg drums** with base composition and:

- drum cover ø 600-560 mm (art.no. 80580)
- follower plate ø 590-540 mm (art.no. 80684-VU)
- trolley with 4 special rotating wheels suitable for uneven floors (art.no. 80792).

Art.no.	Voltage	Ampere	Engine revolutions reduction ratio	Suction tube dimensions	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
<b>83800</b>	230 VAC - 50 Hz single-phase	5.21 A	7.5 : 1	Outer diameter 28 mm Piston diameter 14 mm	300 bar	400 g/min	1400	0.75 kW	18 - 25 kg	51 kg
<b>83800-60</b>									50 kg	52 kg
<b>83001</b>									180 kg	67 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



Art.no. **2001.0166**

Pressure relief valve.

Body in aluminium alloy and cartridge in galvanized steel.

Supplied with a glycerine manometer with graduation of 0 – 400 bar and regulation screw for the selection of the required maximum pressure.

Connections (BSP): inlet 1/2" (F) – outlet 1/2" (M).



Art.no. **3206.0036**

Adjustable pressure switch with plug for a possible connection of an electric safety panel.

This assembly allows to start the pump once the control gun is activated and to stop it again due to the pressure increase in the circuit once the gun is closed and the set pressure has been achieved.

Art.no. **70950**  
230 V - 1ph



Art.no. **70950**

Plastic electrical safety panel 230 Vac single-phase which allows the stop of the pump at the end of the delivery.

The kit includes:

- Adjustable pressure switch art. no. 3206.0036
- ON/OFF - switch
- Emergency button
- White network emergency warning
- Green indicator light
- Red stop light for overheating
- Plug conforms to EC 7/7 standard.

Art.no. **70955**  
230 V - 3ph



Art.no. **70955**

Metal electrical safety panel 230 VAC three-phase, which allows to stop the pump at the end of the dispensing operation. This kit includes the pressure switch art. no. 3206.0036.

Art.no. **70960**  
380 V - 3ph



Art.no. **70960**

Metal electrical safety panel 380 VAC three-phase, which allows to stop the pump at the end of the dispensing operation. This kit includes the pressure switch art. no. 3206.0036.

Art.no.	Dimensions	Alimentation	Weight	Ampere	Frequency	Protection
<b>70950</b>	195x150x170(h)	230 VAC	3 kg	4 A	50 Hz	IP 55
<b>70955</b>	600x400x280(h)		10 kg			
<b>70960</b>	mm	380 VAC				

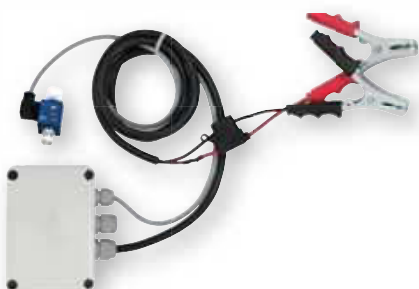
Art.no. **70970**

Electrical safety panel for 12 VDC models, including battery clamps and relief valve. Adjustable pressure up to 200 bar.

It allows to activate the pump while operating on the delivery gun and to stop it when the pressure reaches the set threshold.

Art.no. **70975**

Electrical safety panel like art. no. 70970 but for 24 VDC models.



Art.no.	Dimensions	Alimentation	Weight	Protection
<b>70970</b>	180x95x95 (h) mm	12 VDC	1 kg	IP 55
<b>70975</b>		24 VDC		

Complete pneumatic grease supply kit, suitable for any kind of inside or outside use.  
Max pressure achievable: 400 bar.

**16/18/25 kg**



Art.no. **81817**

Portable and mobile pneumatic grease supply kit with 16 kg – steel pail, consisting of:

- Pneumatic grease pump, art. no. 81820;
- Pressure regulator, art. no. 40400;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, with 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate ø 230 mm;
- Steel pail with 2 wheels and carrying handle.

Art. no.	Max outlet pressure	Flow rate	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
<b>81817</b>	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	11 kg	240x390x930

Art.no. **81818**

Portable pneumatic grease supply kit for 18/25 kg - pails, consisting of:

- Pneumatic grease pump, art. no. 81820;
- Pressure regulator, art. no. 40400;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art.no. 88442;
- Follower plate, ø 310 - 260 mm, art. no. 80628-VU;
- Metal drum cover, ø 330 – 290 mm, art. no. 80520.

Art.no. **81815**

Portable pneumatic grease supply kit, based on art.no. 81818, for 12,5 kg drums.



Art. no.	Max outlet pressure	Flow rate	Connection compressed air	Compressed air supply	For pails:	Weight	Dimensions (LxWxH) (mm)
<b>81815</b>	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	12.5 kg	10 kg	240x240x820
<b>81818</b>					18-25 kg	11 kg	240x240x890

**Complete mobile pneumatic grease supply kit, suitable for 18/25 kg – pails in any kind of inside or outside use.**  
Max pressure achievable: 400 bar.

**18/25/60 kg**

Art.no. **81840**

Mobile pneumatic grease supply kit for 18/25 kg - pails, consisting of:

- Pneumatic grease pump, art. no. 81820;
- Pressure regulator, art. no. 40360;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, 300 mm – steel braid; outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate, ø 310 - 260 mm, art. no. 80628-VU;
- Metal drum cover, ø 330 – 290 mm, art. no. 80520;
- Trolley with 2 wheels, art. no. 80723.

Drum not included.

Art.no. **81840-E**

Mobile pneumatic grease supply kit such as art. no. 81840, but with trolley art. no. 80724.



Art. no.	Max outlet pressure	Flow rate	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
<b>81840</b>	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	15 kg	500x500x960
<b>81840-E</b>					13 kg	

**Complete pneumatic grease supply kit, suitable for any kind of inside or outside use.**  
Max pressure achievable: 400 bar.

Art.no. **81921**

Portable and mobile pneumatic grease supply kit with 60 kg – steel pail, consisting of:

- Pneumatic grease pump, art. no. 81860;
- Metal drum cover art. no. 8192103;
- Pressure regulator, art. no. 40400;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, with 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate art. no. 80634-VU;



Art. no.	Max outlet pressure	Flow rate	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
<b>81921</b>	400 bar	2400 g/min	1/4" BSP (M)	2-8 bar	30 kg	400x500x1100



Complete mobile pneumatic grease supply kits, suitable for 50 kg – drums in any kind of inside or outside use.  
Max pressure achievable: 400 bar.

Art.no. **81920**

Mobile pneumatic grease supply kit for 50 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 81860;
- Pressure regulator, art. no. 40400;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, 300 mm – steel braid outlet hose  
ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate, ø 390 - 325 mm, art. no. 80634-VU;
- Metal drum cover, ø 400 – 360 mm, art. no. 80560;
- Trolley with 2 wheels, art. no. 80723.



Art. no.	Max outlet pressure	Flow rate	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
<b>81920</b>	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	16 kg	510x690x690

Art.no. **81960**

Mobile pneumatic grease supply kit for 50 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 81860;
- Pressure regulator, art. no. 40400;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, 300 mm – steel braid outlet hose  
ø ext. 10 mm and 4 jaws - hydraulic coupler, art. no. 88410 ;
- High pressure Z – swivel, art. no. 88442;
- Follower plate, ø 390 - 325 mm, art. no. 80634-VU;
- Metal drum cover, ø 400 – 360 mm, art. no. 80560;
- Trolley with 4 wheels, art. no. 80722.



Art. no.	Max outlet pressure	Flow rate	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
<b>81960</b>	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	18 kg	600x600x1050



Complete mobile pneumatic grease supply kits, suitable for 180 kg – drums in any kind of inside or outside use.  
Max pressure achievable: 400 bar.

Grease



Art.no. **81940**

Mobile pneumatic grease supply kit for 180 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 81880;
- Pressure regulator and air filter with moisture separator, art. no. 40360;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81003;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate, ø 590 - 540 mm, art. no. 80684-VU;
- Metal drum cover, ø 600 – 560 mm, art. no. 80580;
- Trolley with 4 wheels, art. no. 80785.

Art. no.	Max outlet pressure	Flow rate	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
<b>81940</b>	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	22 kg	900x830x1400



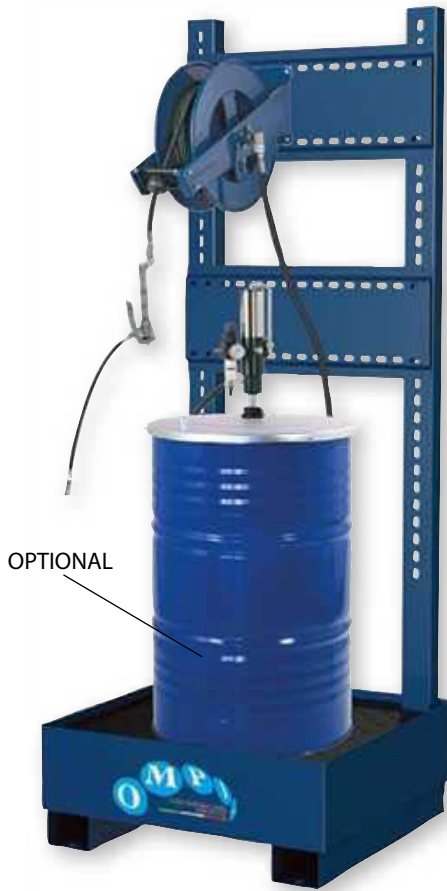
Art.no. **80791**

Mobile pneumatic grease supply kit for 180 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 81880;
- Pressure regulator and air filter with moisture separator, art. no. 40360;
- Open hose reel, art. no. 37115;
- 15 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 81015;
- 2 m – connection hose SAE 100 R2 AT, 1/4", art. no. 81002;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 88410;
- High pressure Z – swivel, art. no. 88442;
- Follower plate, ø 590 - 540 mm, art. no. 80684-VU;
- Metal drum cover, ø 600 – 560 mm, art. no. 80580;
- Heavy duty trolley with 4 wheels and grate, art. no. 80792.

Art. no.	Max outlet pressure	Flow rate	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
<b>80791</b>	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	90 kg	900x1030x1400

**Complete stationary pneumatic grease supply kit, suitable for 180 kg – drums in any kind of inside or outside use.  
Max pressure achievable: 400 bar.**



Art.no. **49700**

Stationary pneumatic grease supply kit for 180 kg – drums with hose reel, installed on a “Tank Service Base” unit. Compared to a system installed on the wall, the system which is mounted on the “Tank Service Base” unit also includes a spill containment pallet for the drum storage with a self-supporting structure forming a “lubrication island” that can be placed in any location of a workshop.

Drum not included.

Art. no.	Max outlet pressure	Flow rate	Compressed air connection	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
<b>49700</b>	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	78 kg	830x880x2360

Art.no. **81900**  
Art.no. **81905**

Mobile pneumatic grease sprayer kits, suitable for the application of grease or similar lubricants on mechanical parts or surfaces for protective purposes. For example these kits are suitable also for applying underseal agents for protective undercoating.

**Applications:**

- Undercoating, rust-proofing and sound-deadening materials;
- automotive and heavy-duty vehicle dealerships;
- fast lube centers and service shops;
- fleet service facilities.

The kits consist of a 25:1 – pneumatic grease pump, metal drum cover, follower plate, 3 m - high pressure hose SAE 100 R2 AT, 1/4", for grease and 3 m – hose for air, with thermo - retractable cover, control gun including lance with twin outlet for the injection of air and spraying nozzles.



Art. no.	<b>81900</b>	<b>81905</b>
Compression ratio	25:1	
Max outlet pressure	150 bar	
Compressed air supply	3 – 6 bar	
For pails / drum of	18-25 kg	50 kg
Weight	15 kg	18 kg

Greasing equipment with follower plate for OMPI pumps with lifting system through pneumatic circuit, activable via control valve. They facilitate the operator's work as:

- It is possible to pump very viscous greases and at challenging temperatures
- Easy drum replacement
- Elimination of any air pocket inside the drum
- Waste is avoided by scraping all the grease from the walls and bottom of the drum

It can operate with all pneumatic or electric OMPI grease pumps.



Art.no. **80850-SP**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for pneumatic piston grease pumps and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump.

Pump, follower plate and drum cover are not included.



Art.no. **80850-30**  
Art.no. **80850-60**  
Art.no. **80850-200**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for pneumatic piston grease pumps and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump. Suitable for the use with all grease pump models of standard series.

In the standard version the kit includes a pneumatic 50:1 – grease pump. On demand also available with other pump models.

Art.no.	Pump model	Compression ratio	Engine revolutions reduction ratio	Max outlet pressure	Pneumatic circuit pressure	Thrust ratio	Suitable for drums of	Weight	Dimensions (LxWxH) (mm)		
<b>80850-SP</b>	-	-	-	-	1 – 3 bar	1 bar = 50 kg pressure	Fino a 180 kg	76 kg	1000 x 800 x 1700 (H max. 3000)		
<b>80850-30</b>	81820	50:1	-	400 bar (5800 psi)			18 kg	85 kg			
<b>80850-60</b>	81860						50 kg	110 kg			
<b>80850-200</b>	81880						180 kg	170 kg			



Art.no. **80850**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for pneumatic piston grease pumps, Power Bull series, and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump. Suitable for the use with grease pump models art.nos. 81730 - 81725 - 81720 - 81710 - 81715 - 81740.

In the standard version the kit includes a pneumatic 50:1 - grease pump, art.no. 81710.

On demand also available with other pump models.

Suitable for the use with 180 kg - grease drums.



Art.no. **80850-EL**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for electric piston grease pumps, and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump. Suitable for many pump models.

In the standard version the kit includes an electric grease pump, 230VAC art.no. 83400.

On demand also available with other pump models.

Suitable for the use with 180 kg - grease drums.

Art.no.	Pump model	Compression ratio	Motor reduction ratio	Max outlet pressure	Pneumatic circuit pressure	Thrust ratio	Suitable for drums of	Weight	Dimensions (LxWxH) (mm)
<b>80850</b>	81710	50:1	-	400 bar (5800 psi)	1 - 3 bar	1 bar = 50 kg pressure	180 kg	220 kg	1000 x 800 x 1700 (H max. 3000)
<b>80850-EL</b>	83400	-	7.5:1	300 bar (4351 psi)					

Stationary grease supply kit with electronic dosing system **CONTROLLER 5.0** which allows the preselection of grease quantities to be supplied.

This unit is suitable for industrial applications in which a recurrent precision of dosage is required on points and in sections that are continuously working and need a constant flow of lubricant.

Free flow outlet available.

The unit also includes a timer and a data recording of the dispensed amount.



## CONTROLLER 5.0

- Bluetooth or USB cable.
- Precise and constant control
- PC controlled remote delivery management
- Real-time remote delivery visualization
- Data storage
- Transaction history
- Print report
- Customizable receipt with company logo, order number, dispensed quantity, date and time, additional description fields.



## EXAMPLE OF DISPLAY



Art.no. **33900KIT**

Stationary grease supply kit with electronic dosing system **CONTROLLER 5.0**.

Composed of:

- Tank Service Base for 1 drum of 180 kg, art.no. 49710, with metal mounting rack;
- Pneumatic grease pump 25:1, art.no. 81883;
- Pressure regulator and air filter with moisture separator, art. no. 40360;
- Vulcanized follower plate, ø 590 - 540 mm, art. no. 80684-VU;
- Metal drum cover, ø 600 - 560 mm, art. no. 80580;
- Electronic oval gears flow meter with pulse transmitter, art.no. 71081;
- 3 m - rubber hose SAE 100 R1 AT, 1/2", art.no. 83003;
- Grease control gun with rigid outlet, art.no. 88700;
- Control unit for dosing system **CONTROLLER 5.0** with keypad and display;
- Thermal printer for printing tickets with data of each performed delivery;
- Electronic control switch (ON/OFF - START) with transformer 230 VAC - 24 VDC.



250 bar



Art.no. **80250-360**

Manual lever action grease pump, suitable for 18/30 kg - pails. Standard suction tube length 360 mm; can be supplied also in different lengths on request.

Art.no. **80250-335**

Manual lever action grease pump, suitable for 12,5 kg - pails. Suction tube length 335 mm.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight
<b>80250-360</b> <b>80250-335</b>	250 bar	8 g	1/4" BSP (M)	2 kg

250 bar



Art.no. **80250**

Portable, manual grease supply kit for 18/30 kg - pails, consisting of:

- Manual lever action grease pump, art. no. 80250-360;
- Metal drum cover, ø 290 - 330 mm, art. no. 075115;
- Follower plate, ø 310 - 260 mm, art. no. 80628-VU;
- 1.5 m - rubber hose R1T, ø 1/4";
- Ball valve and rigid outlet pipe with 4 - jaws - hydraulic coupler.

Art.no. **80250LQ**

Portable, manual grease supply kit for 12,5 kg - pails, consisting of:

- Manual lever action grease pump, art. no. 80250-335;
- Metal drum cover, ø 283 mm, art. no. 80512LQ;
- Follower plate, ø 275x230 mm, art. no. 80612-VU;
- 1.5 m - rubber hose R1T, ø 1/4";
- Ball valve and rigid outlet pipe with 4 - jaws - hydraulic coupler.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
<b>80250</b> <b>80250LQ</b>	250 bar	8 g	1/4" BSP (M)	5 kg	340x340x630

250 bar



Art.no. **84000**

Portable, manual grease supply kit, consisting of metal 16 kg – pail, lever action grease pump, follower plate, ø 230 mm, 1.5 m - rubber hose R1AT, ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.



**MADE IN ITALY**

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
<b>84000</b>	250 bar	8 g	1/4" BSP (M)	5.5 kg	240x490x630

250 bar



Art.no. **84050**

Portable, manual grease supply kit, consisting of metal 16 kg – pail with 2 wheels, lever action grease pump, follower plate, ø 230 mm, 1.5 m - rubber hose R1AT ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
<b>84050</b>	250 bar	8 g	1/4" BSP (M)	7.5 kg	250x540x630

130 bar



Art.no. **84008**

Manual grease supply kit, consisting of 8 kg metal drum, 1.5 m - rubber hose R1T, Ø 1/4", ball valve and rigid outlet pipe with 4 – jaws.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
<b>84008</b>	130 bar	8 g	1/4" BSP (M)	5 kg	240x490x630

**Grease Power 750** is a manual grease supply kit, composed by a spring - loaded pump combined with a special control gun, dispensing the grease in pressure degrees up to 750 bar.

This system can be used in 3 different ways, offering the following results:

1. Delivery of 0.3 g of grease per squeeze with up to 750 bar pressure when the switch of the control gun is on "high pressure" - position. Ideal for unblocking dirty or resinified grease nipple valves.
2. Delivery of 1.1 g of grease per squeeze when switch of the control gun is on "high volume" - position. For normal grease supply operations.
3. Keeping the lever of the control gun pushed and pressing simultaneously the pump rod down by foot, a continuous grease flow at low pressure can be created.

This grease supply kit - thanks to its compactness and its independence from any pneumatic or electric supply - is the ideal, mobile equipment for any application in the field of lubrication.

**750 bar**



Art.no. **88400**

Portable, manual grease supply kit, consisting of:

- Metal 5 kg – pail with cover;
- Manual, spring - loaded piston grease pump;
- Follower plate;
- 1.5 m - rubber hose, Ø 1/2" mm;
- Control gun with selector lever and rigid outlet pipe with 4 – jaws – hydraulic coupler.



Art. no.	Max outlet pressure	Max delivery per stroke	Ø suction tube	Length suction tube	Weight	Dimensions (LxWxH) (mm)
<b>88400</b>	750 bar	8 g	28 mm	310 mm	6.5 kg	350x240x550

**750 bar**



Art.no. **88510**

Portable, manual grease supply kit, suitable for 18/25 kg - pails, consisting of:

- Manual, spring - loaded piston grease pump;
- Follower plate, 310 – 260 mm, art. no. 80628-VU;
- 1.5 m - rubber hose, Ø 1/2" mm;
- Metal drum cover, Ø 290 – 330 mm, art. no. 80520;
- Control gun with selector lever and rigid outlet pipe with 4 – jaws – hydraulic coupler.

Art.no. **88500**

Portable, manual grease supply kit, based on art.no.88510, for 12.5 kg drums

Art. no.	Max outlet pressure	Max delivery per stroke	Ø suction tube	Length suction tube	Weight	Dimensions (LxWxH) (mm)
<b>88500</b>	750 bar	8 g	28 mm	370 mm	5.6 kg	250x280x630
<b>88510</b>					5.8 kg	350x480x630

Art.no. **50822**  
Art.no. **50821**  
Art.no. **50823**

Manual grease gun filler pump kit, consisting of manual lever action grease pump, metal drum cover, follower plate and rigid pipe with adapter for the connection of grease gun.

Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Delivery	Diameter suction tube	Length suction tube	Diameter drum cover	Diameter follower plate	Diameter pails/drums	Suitable for pails/drums of	Weight
<b>50822</b>	30 g/stroke	40 mm	450 mm	283 mm	275 mm	240-283 mm	18 kg	5 kg
<b>50821</b>				330 mm	310 mm	290-330 mm	20 kg	6 kg
<b>50823</b>			750 mm	400 mm	390 mm	360-400 mm	50 kg	8 kg

Art.no. **50822-CL**  
Art.no. **50821-CL**  
Art.no. **50823-CL**

Manual grease gun filler pump kit for refilling grease in the tanks of centralized lubrication systems, complete with drum cover, grease follower disk with vulcanized rubber, flexible delivery hose L. 2 m and quick coupling DIN 7241-1 B mod. 88462 and mod. 88462M F1/2" thread.

Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Delivery	Diameter suction tube	Length suction tube	Diameter drum cover	Diameter follower plate	Diameter pails/drums	Suitable for pails/drums of	Weight
<b>50822-CL</b>	30 g/stroke	40 mm	450 mm	283 mm	275 mm	240-283 mm	18 kg	6 kg
<b>50821-CL</b>				330 mm	310 mm	290-330 mm	20 kg	7 kg
<b>50823-CL</b>			750 mm	400 mm	390 mm	360-400 mm	50 kg	9 kg

Art.no. **80800-600**  
Art.no. **80800-400**

Lever action grease gun, suitable for the use with bulk grease or with grease cartridges.  
With plastic flexible outlet hose ø ext. 8 mm x 300 mm length, M 10x1, and 4 – jaws – hydraulic coupler.  
Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
<b>80800-600</b>	1.2 cm <sup>3</sup> /stroke	300 bar	600 g	56 mm	300 mm	1.70 kg	150x60x480
<b>80800-400</b>		400 bar	400 g	52 mm	240 mm	1.70 kg	110x60x370

Art.no. **80900**  
Art.no. **80900-400**

Pneumatic grease gun, suitable for the use with bulk grease or with grease cartridges. With plastic flexible outlet hose ø ext. 8 mm x 300 mm length, M 10x1, and 4 – jaws – hydraulic coupler. It is a single action mechanism (non-continuous grease supply): when activating the trigger, the internal piston moves and supplies grease; when the trigger is released, the piston returns in its initial position. By repeating this procedure the grease can be dispensed. Compressed air pressure: 4 – 8 bar.  
Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
<b>80900</b>	1.2 cm <sup>3</sup> /stroke	300 bar	600 g	56 mm	300 mm	2 kg	240x70x550
<b>80900-400</b>		300 bar	400 g	52 mm	240 mm	2 kg	240x70x470

Art.no. **80900-C**

Pneumatic grease gun with a continuous grease flow, suitable for the use with bulk grease or with grease cartridges.  
With rigid outlet pipe 150 mm length, M 10x1, and 4 – jaws – hydraulic coupler.

Compressed air pressure: 2 – 8 bar. Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
<b>80900-C</b>	0.8 cm <sup>3</sup> /stroke	400 bar	400 g	52 mm	240 mm	2 kg	170x75x400

Art.no. **80950**

One-hand-operated grease gun, professional version, suitable for the use with bulk grease or with grease cartridges.

With plastic flexible outlet hose ø ext. 8 mm x 300 mm length, M10x1, and 4 – jaws – hydraulic coupler. The grease gun can be used in a “high volume” or in a “high pressure” mode.



Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
<b>80950</b>	1.1 cm <sup>3</sup> /stroke	200 bar	400 g	52 mm	240 mm	1.6 kg	165x66x400
	0.8 cm <sup>3</sup> /stroke	300 bar					





Imported product

Art.no. **80904**  
Art.no. **80905**

Electric grease gun with two 18 VDC - batteries, suitable for the use with bulk grease or with grease cartridges. With plastic flexible outlet hose  $\varnothing$  ext. 8 mm x 1000 mm length, M 10x1, and 4 - jaws - hydraulic coupler. The grease is dispensed continuously; by pushing the trigger of the grease gun, the internal gears start moving and the grease is supplied. When the trigger is released again, the grease flow stops.

Batteries: 18 VDC (1300 mAH), time for recharging: 1 hour (according to the ROHS - directive).

Batteries recharger: 230 VAC (18 VDC, 50 Hz).

Supplied in a plastic case with a lever grease gun head for the use as lever grease gun.

Suitable for grease up to a viscosity of NLGI 2.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
<b>80904</b>	1.1 cm <sup>3</sup> /stroke	300 bar	600 g	56 mm	300 mm	7.5 kg	540x110x500
<b>80905</b>		300 bar	400 g	52 mm	240 mm	7.5 kg	540x110x410



Made in OMPI

Imported product

Art.no. **80905-C**

Electric grease gun with 18 VDC - battery, art.no. 80905, but additionally equipped with an electronic oval gears flow meter for grease, art.no. 89350.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
<b>80905-C</b>	1.1 cm <sup>3</sup> /stroke	300 bar	400 g	52 mm	240 mm	8.7 kg	540x110x410



Art.no. **80955**

Two-hand-operated grease gun, suitable for the use with 500 g - screw-in grease cartridges.

With hose bracket, plastic flexible outlet hose  $\varnothing$  ext. 8 mm x 300 mm length, M 10x1, and 4 - jaws - hydraulic coupler.

Lubrication by vacuum generation.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Weight	Dimensions (LxWxH) (mm)
<b>80955</b>	2 cm <sup>3</sup> /stroke	400 bar	500 g	0.85 kg	195x30x350



Art.no. **80600** **Packs of 15 pieces**

Cartridge with lithium grease, NLGI 2, with 600 g capacity. Diameter 56 mm, length 300 mm.

Kinematic viscosity of the basing oil: 150 cSt, 40°C.

Temperature range of use: -20°C - +120°C.

According DIN 51502 K 2 K-20.

Art.no. **80400** **Packs of 15 pieces**

Cartridge with lithium grease, NLGI 2, with 400 g capacity. Diameter 52 mm, length 235 mm.

Kinematic viscosity of the basing oil: 150 cSt, 40°C.

Temperature range of use: -20°C - +120°C.

According DIN 1284.



Art.no.  
**88200**

Art.no.  
**88201**

Art.no. **88200**

High pressure grease control gun, steel body, inlet connection 1/4" BSP (M), outlet connection M 10x1.  
Working pressure up to 800 bar.

Art.no. **88201**

High pressure grease control gun art.no. 88200, but additionally equipped with a trigger guard.



Art.no.  
**88420**

Art.no.  
**88410**

Art.no. **88410**

High pressure grease control gun with 300 mm – steel braid rubber outlet hose  $\varnothing$  ext. 10 mm and 4 - jaws - hydraulic coupler.  
Working pressure up to 800 bar.

Art.no. **88420**

High pressure grease control gun art.no. 88410, but additionally equipped with a trigger guard.



Art.no.  
**88416**

Art.no.  
**88415**

Art.no. **88415**

High pressure grease control gun with rigid outlet pipe and 4 – jaws – hydraulic coupler.  
Working pressure up to 800 bar.

Art.no. **88416**

High pressure grease control gun art.no. 88415, but additionally equipped with a trigger guard.



Art.no.  
**88310**

Art.no. **88310**

High delivery grease control gun for the transfer of grease, with rigid outlet,  $\varnothing$  20 mm.  
Working pressure up to 200 bar, burst pressure 350 bar.



Art.no.  
**88700**

Art.no. **88700**

Grease control gun for the transfer of grease, with rigid outlet,  $\varnothing$  16 mm. Working pressure up to 180 bar, burst pressure 320 bar.



Art.no. **88456**

Art.no. **88442**

Art.no. **88442**

High pressure rotating "Z" – swivel, connections 1/4" BSP (M – F). For the installation between hose and control gun. Allows a complete 360° - rotation on the 3 axes, also under pressure.

Art.no. **88456**

Straight high pressure rotating swivel, connections 1/4" BSP (M – F). For the installation between hose and control gun. Allows a complete 360° - rotation on the 1 axe, also under pressure.



Art.no. 88446



Art.no. 88448



Art.no. 88452



Art.no. 88454



Art.no. 88440



Art.no. 88450



Art.no. 88441



Art.no. 88443



Art.no. 88444



Art.no. 88445



Art.no. 88447



Art.no. 88460



Art.no. 88451

Art.no. 88434-1000

Art.no. 88455

Art.no. 88435

Art.no. 88434

Art.no. 88438

Art.no. 88453

Art.no. 88439

Art.no. 88459  
Art.no. 88462

Art.no. 88459M  
Art.no. 88462M

Art.no. 88455 + 88459

Art.no. 88449

Art.no. 88461

Art.no. 88446 - High pressure fitting M + M 1/4" BSP.

Art.no. 88448 - Hydraulic 4 – jaws – coupler, standard version, steel body, height 36 mm, for hydraulic-type grease nipples according to DIN 71412, connection M 10x1.

Art.no. 88448 - Giant button head coupler, steel body, for button head grease nipples with ø 22 mm according to DIN 3404; connection M 10x1.

Art.no. 88450 - Hydraulic 4 – jaws – coupler, steel body, for hydraulic-type grease nipples according to DIN 71412, connection M 10x1, with 90° - curved swivel adapter.

Art.no. 88452 - Button head coupler, steel body, for button head grease nipples with ø 15 mm according to DIN 3404; connection M 10x1.

Art.no. 88454 - Reverse button head coupler, steel body, for button head grease nipples with ø 15 mm according to DIN 3404; connection M 10x1.

Art.no. 88441 - Pointed coupler, steel body, for flush-type grease nipples according to DIN 3405; connection M 10x1.

Art.no. 88443 - Pin pointed coupler, steel body, for flush-type grease nipples according to DIN 3405; connection M 10x1.

Art.no. 88444 - Hollow-type coupler, steel body, for ball-type and hydraulic-type grease nipples according to DIN 71412; connection M 10x1.

Art.no. 88445 - Bayonet coupler, steel body, for bayonet grease nipples; connection M 10x1.

Art.no. 88447 - Hydraulic 4 – jaws – coupler, heavy duty version, steel body, height 48 mm, with ball valve, for hydraulic-type grease nipples according to DIN 71412, connection M 10x1. Suitable also for applications with oil.

Art.no. 88451 - Needle nose adapter with quick coupling for the connection to hydraulic couplers, ideal for the lubrication of hard-to-reach points, especially for cardan shafts and small grease nipples, needle length 55 mm.

Art.no. 88460 - Hands-free power coupler G-Coupler connection M10x1.

All couplers are available also with thread G 1/8" (F) on demand. Please add suffix /18 to the article number.

Art.no. 88453 - Extension pipe for hydraulic 4 – jaws – couplers, length 130 mm, with quick coupling and connection M 10x1.

Art.no. 88455 - Double steel braid rubber outlet hose 1/4", SAE 100 R2 AT, length 400 mm; connections M 10x1 – 1/4" BSP (M).

Art.no. 88434 - Steel braid rubber outlet hose DIN 1293 ø ext. 10 mm, length 400 mm, max. working pressure 400 bar, burst pressure 1000 bar; connections M 10x1.

Art.no. 88434-1000 - Steel braid rubber outlet hose DIN 1293 ø ext. 10 mm, length 1000 mm, max. working pressure 400 bar, burst pressure 1000 bar; connections M 10x1.

Art.no. 88435 - Steel braid rubber outlet hose ø ext. 10 mm, length 400 mm, max. working pressure 400 bar, burst pressure 1000 bar with hydraulic 4 – jaws – coupler; connections M 10x1.

Art.no. 88438 - Angled rigid outlet pipe, length 200 mm, with hydraulic 4 – jaws – coupler; connections M 10x1.

Art.no. 88439 - Angled rigid outlet pipe, length 130 mm; connections M 10x1.

Art.no. 88449 - Angled rigid outlet pipe, connection 1/2" (M), with quick coupling, for the grease refilling of lever grease guns through grease gun filler pumps.

Art.no. 88455 + 88459 - Double steel braid rubber outlet hose 1/4", length 400 mm, connection 1/4" (M), with steel quick coupling, connection thread BSP 1/4" (F), in accordance with norm ISO 7241-1 B, to be connected on grease reservoirs in centralized lubrication systems for refilling.

Art.no. 88461 - Curved rigid outlet pipe, connection ø 1/2" (M), for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. 88459 - Steel quick coupling, connection thread BSP 1/4" (F), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. 88459M - Hydraulic quick connector, in accordance with norm ISO 7241-1 B, connection thread BSP 1/4" (M), suitable for the use in combination with art.no. 88459.

Art.no. 88462 - Hydraulic quick coupling, connection thread BSP 1/2" (F), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. 88462M - Hydraulic quick connector, connection thread BSP 1/2" (M), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

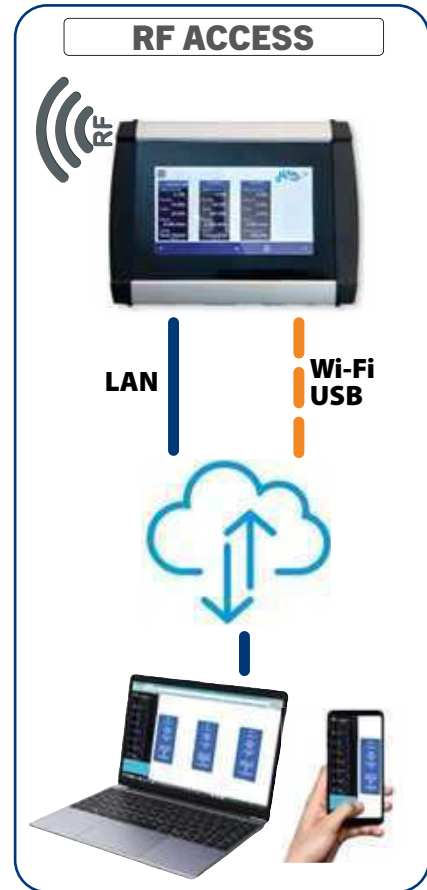
OMPI expands its range of electronic grease flow meters with 2 and 4-button new lines: 2TT and 4TT.

All models have been redesigned with a new generation hardware board and have been structurally improved to facilitate some operations such as battery replacement and easier reading thanks to the larger display.

The models are available in two versions: with and without preset function.

The preset function allows to predetermine the quantity to be dispensed. All models are available with the option of radio frequency data transmission to be used in combination with RF ACCESS.

## 2TT



## 4TT





## 2TT

Grease

### Art.no. 89300

Electronic oval gears grease flow meter, series **GREASE NEPTUNE**, with grease control gun, rigid outlet pipe and hydraulic 4 – jaws – coupler. The calibration of the meter can also be made by the user.  
Equipped with 3 AA batteries.

### Art.no. 89300-RF

Electronic oval gears flow meter for grease, series **GREASE NEPTUNE RF**, with control gun, rubber protection guard, rigid outlet pipe and hydraulic 4 – jaws – coupler.  
The flow meters of series **GREASE NEPTUNE RF** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF ACCESS** control unit.

### Art.no. 89350

Electronic oval gears grease flow meter, series **GREASE NEPTUNE**, suitable for the use as inline meter. The calibration of the meter can also be made by the user.

### Art.no. 89350-RF

Electronic oval gears flow meter for grease, series **GREASE NEPTUNE RF**, with the same characteristics of the art. no. 4291 but with a radio frequency data transmission to be used in combination with the **RF ACCESS** control unit.

Art.no.	89300 - 89300-RF	89350 - 89350-RF
Connections	1/4" BSP (M)	1/4" BSP (F)
Flow rate min – max	0.20 - 2 kg/min	
Temperature	+ 5°C / + 50°C	
Max pressure	400 bar (5801 psi)	
Precision	± 0.3% *	
Total max (resettable)	999.9 kg	
Total max (non-resettable)	9999 kg	
Voltage	3 x 1.5 V	
Weight	1.4 kg	1.2 kg

\*Basic calibration made in factory with grease NLGI 0.

## 4TT

### PRESET FUNCTION



The preset function introduces a certain degree of automation since it becomes possible to predetermine the dosages and automatically stop the grease flow once the preselected value has been reached.

The calibration of the meter can also be made by the user.

### Art.no. 89360

Electronic oval gears **grease** flow meter, series "**Grease Mercury**", with **preset function** of the desired grease quantity to be supplied. With grease control gun, rigid outlet pipe and hydraulic 4 – jaws – coupler.

### Art.no. 89360-RF

Electronic oval gears flow meter for **grease**, series **GREASE URANUS**, with preset function, with the same characteristics of art. no. 4292 but with radio frequency data transmission to be used in combination with the **RF ACCESS** control unit.

Art.no.	89360 - 89360-RF
Connections	1/4" BSP (M)
Flow rate min – max	0.20 - 2 kg/min
Temperature	+ 5°C / + 50°C
Max pressure	300 bar (4351 psi)
Precision	± 1%*
Lowest preselection value	0.010 kg
Total max (resettable)	999.9 kg
Total max (non-resettable)	9999 kg
Voltage	3 x 1.5 V
Weight	1.7 kg

\*Basic calibration made in factory with grease NLGI 0.



## 2TT



Art.no. **88352**  
Art.no. **88352-RF**

### Art.no. **89351**

Electronic oval gears **grease** flow meter, series **GREASE NEPTUNE 1/2"**, with grease control gun and rigid outlet pipe.

The calibration of the meter can also be made by the user.

### Art.no. **89351-RF**

Electronic oval gears **grease** flow meter, series **GREASE NEPTUNE RF 1/2"**, with the same characteristics of art. no. 4293 but with radio frequency data transmission to be used in combination with the **RF ACCESS** control unit.

### Art.no. **89352**

Electronic oval gears **grease** flow meter, series **GREASE NEPTUNE 1/2"**, suitable for the use as inline meter. The calibration of the meter can also be made by the user.

### Art.no. **89352-RF**

Electronic oval gears flow meter for **grease**, series **GREASE NEPTUNE RF 1/2"**, with the same characteristics of the art. no. 4296 but with a radio frequency data transmission to be used in combination with the **RF ACCESS** control unit.

Art.no.	89351 - 89351-RF	89352 - 89352-RF
Connections	1/2" BSP (M)	1/2" BSP (F)
Flow rate min – max	0.5 – 10 kg/min	
Temperature	+5°C / + 50°C	
Max pressure	70 bar (1015 psi)	
Precision	± 1% *	
Total max (resettable)	999.9 kg	
Total max (non-resettable)	9999 kg	
Voltage	3 x 1.5 V	
Weight	1.4 kg	

\*Basic calibration made in factory with grease NLGI 0.

## 2TT



Art.no. **89375**  
Art.no. **89375-RF**

### Art.no. **89370**

Electronic oval gears **grease** flow meter, series **GREASE NEPTUNE 3/4"**, with grease control gun and rigid outlet pipe, for measurement of high quantities in grease transfer applications with pneumatic pumps of the series "Power Bull". The calibration of the meter can also be made by the user.

### Art.no. **89370-RF**

Electronic oval gears flow meter for **grease**, series **GREASE NEPTUNE 3/4"**, with the same characteristics of art. no. 4294 but with radio frequency data transmission to be used in combination with the **RF ACCESS** control unit.

### Art.no. **89375**

Electronic oval gears flow meter for **grease**, series **GREASE NEPTUNE 3/4"**, for measurement of high quantities in grease transfer applications suitable for use as inline meter. The calibration of the meter can also be made by the user.

### Art.no. **89375-RF**

Electronic oval gears flow meter for **grease**, series **GREASE NEPTUNE 3/4"**, with the same characteristics of art. no. 4295 but with radio frequency data transmission to be used in combination with the **RF ACCESS** control unit.

Art.no.	89370 - 89370-RF	89375 - 89375-RF
Connections	3/4" BSP (M)	3/4" BSP (F)
Flow rate min – max	0.5 – 20 kg/min	
Temperature	+5°C / + 50°C	
Max pressure	100 bar (1450 psi)	50 bar (725 psi)
Precision	± 1% *	
Total max (resettable)	999.9 kg	
Total max (non-resettable)	9999 kg	
Voltage	3 x 1.5 V	
Weight	3 kg	1.6 kg

\*Basic calibration made in factory with grease NLGI 0.



Metal drum cover, available in different dimensions to suit to the various types of grease drums, including butterfly screws for the fixation of the cover on the drum as well as bung adapter for the fixation of the pump in vertical position.

Art. no.	Suitable for external drum diameters of	Bore suitable for suction tube diameter of	Suitable for pails/drums of	Weight
<b>80512</b>	240 - 283 mm	28 mm	18 kg	2.4 kg
<b>80520</b>	290 - 330 mm		20 kg	2.6 kg
<b>80530</b>	310 - 350 mm		25 kg	2.6 kg
<b>80560</b>	360 - 400 mm		50 kg	2.8 kg
<b>80580</b>	560 - 600 mm		180 kg	3.2 kg



Art.no. **80628-VU**



Art.no. **80684-VU**

Follower plate with NBR rubber edge, available in different dimensions to suit to the various types of grease drums. The follower plate causes a constant grease level inside of the drum and helps to avoid any air pockets inside of the grease close to the suction tube as well as any disposals of grease on the inner surface of the drum.

Art. no.	Total diameter follower plate	Diameter metal disc	Bore suitable for suction tube diameter of	Suitable for pails/drums of	Weight
<b>80610</b>	205 mm	150 mm	28 mm	5 kg	0.7 kg
<b>80612</b>	275 mm	230 mm		18 kg	0.9 kg
<b>80631</b>	350 mm	285 mm		20 kg	1.5 kg
<b>80630</b>	340 mm	286 mm		25 kg	1.6 kg
<b>80628-VU*</b>	310 mm	260 mm	28 mm	20 kg	1.5 kg
<b>80628-Ø40</b>					1.3 kg
<b>80629</b>	330 mm		40 mm		1.2 kg
<b>80634-VU*</b>	390 mm	313 mm	28 mm	50 kg	2.0 kg
<b>80634-Ø40</b>			40 mm		1.8 kg
<b>80684-VU*</b>	590 mm	540 mm	28 mm	180 kg	5.2 kg

\* **VU** = with vulcanized rubber.

Art.no. **065492**

Plastic bung adapter for fixation of pumps, 2" BSP (M) x 28 mm.

Art.no. **065420-33**

Plastic bung adapter for fixation of pumps, 2" BSP (M) x 33 mm.

Art.no. **065420**

Plastic bung adapter for fixation of pumps, 2" BSP (M) x 40 mm.

Art.no. **065421**

Plastic lock ring for bung adapter, 2" BSP (M), for art. nos. 065492, 065420 and 065420-33.



Art.no.  
**065492**



Art.no.  
**065420-33**  
Art.no.  
**065420**



Art.no.  
**065421**



Art.no. **80590-50**

Metal drum cover, including metal bung adapter and metal counter-ring, suitable for the use of pneumatic grease pumps of series "Power Bull" on 180 kg – drums. Total diameter 600 mm, diameter of bore for suction tube in bung adapter of 50 mm. Suitable for art. nos. 81720 - 81710 - 81715 - 81735 - 81740 - 83955 and 81745.

Art.no. **80590**

Metal drum cover such as art. no. 80590-50, but including bung adapter with diameter of bore for suction tube of 70 mm. Suitable for art. nos. 81730 - 81725 - 81755 and 81765.



Art.no. **80690-50**

Follower plate with rubber edge, for applications with pneumatic grease pumps of series "Power Bull" on 180 kg – drums. The follower plate causes a constant grease level inside of the drum and helps to avoid any air pockets inside of the grease close to the suction tube as well as any disposals of grease on the inner surface of the drum. Total diameter of follower plate 590 mm, diameter of metal disc 540 mm, diameter of bore for suction tube 50 mm. Suitable for art. nos. 81720 - 81710 - 81715 - 81735 - 81740 - 83955 and 81745.

Art.no. **80690**

Follower plate such as art. no. 80690-50, but diameter of bore for suction tube 70 mm. Suitable for art. nos. 81730 - 81725 - 81755 and 81765.



Art.no. **32217**



Art.no. **32215**



Art.no. **32214**



Art.no. **32220-70**



Art.no. **32200-50**

Art.no. **32217**

Metal bung adapter for the fixation of pumps, series "Power Bull", 2" BSP (M) x 50 mm, on drums. Suitable for art. nos. 81720 - 81710 - 81715 - 81735 - 81740 and 81745.

Art.no. **32215**

Metal bung adapter for fixation of pumps, series "Power Bull", M80x2 (M) x 70 mm, on drums. Suitable for art. nos. 81730 - 81725 - 81755 and 81765.

Art.no. **32214**

Metal lock ring for bung adapter, M80x2 (M), for art. no. 32215.

Art.no. **32200-50**

Metal flange plate for fixation of pumps, series "Power Bull", with suction tube diameter 50 mm, without bung adapter. Suitable for art. nos. 81720 - 81710 - 81715 - 81740 and 81745 - 81735.

Art.no. **32220-70**

Metal flange plate for fixation of pumps, series "Power Bull", with suction tube diameter 70 mm, without bung adapter. Suitable for art. nos. 81730 - 81725 and 81755 - 81765.



Art.no. **81800**

Standpipe assembly for floor mounting of pneumatic grease pumps, series Power Bull. and connection with bulk tank. inlet connection thread: 3" NPT (F), outlet connection thread: 2" BSP (F). Height: 200 mm. Internal diameter: 70 mm.

Art.no. **81850**

Same as art. no. 81800 but with internal diameter 50 mm.



OMPI offers you a complete line of products for the dispensing and monitoring of diesel:

- Pneumatic pumps
- Electric pumps in 12 VDC, 24 VDC and 230 VAC with medium or high delivery
- Diesel supply units and dispensing kits
- Mechanical and electronic flow meters
- Computerized systems for the monitoring and the administration of dispenses
- Storage tanks
- Level gauges
- Control guns
- Hoses and hose reels
- Filters
- Other accessories

The broad product range permits the user to select from the simple diesel dispensing equipment up to complete diesel monitoring systems.





Pneumatic pumps for the transfer of diesel. The indicated delivery figures refer on a free flow outlet.



Art.no. **51116**

Self-priming rotary vane diesel transfer pump with aluminum pneumatic motor and cast iron body; can be powered up to 6 bar. Outlet pressure 0.5 bar, flow rate 28 l/min.

Art. no.	Comp. air supply	Outlet pressure	Max Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>51116</b>	2-6 bar	0.5 bar	28 l/min	3/4" BSP (F)	2 Kg	165x165x180



Art.no. **51112**

Diesel transfer kit, composed of pneumatic, rotary vane pump, art. no. 51116, suction tube with foot valve suitable for 208 l – drums, bung adapter for the fixation of the pump on the drum, 4 m – delivery hose Ø 3/4" and manual aluminium nozzle.



Art. no.	Compressed air supply	Outlet pressure	Max Flow rate	Connection threads	Weight
<b>51112</b>	6 bar	0.5 bar	28 l/min	3/4" BSP (F)	12 Kg



Art.no. **51111**

Diesel transfer kit, composed of pneumatic 1:1 - piston pump, standard series, with wall bracket, pressure regulator and air filter with moisture separator, 1,5 m – rubber suction hose Ø 1" BSP with foot valve and filter, electronic in-line turbine flow meter, 4 m - rubber delivery hose 3/4" and **automatic shut-off dispensing nozzle** with inlet swivel.

**Optional:** diesel/water separating cartridge filter art. no. 70501.

Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max Flow rate	Outlet connection threads	Weight
<b>51111</b>	2 – 8 bar	1: 1	8 bar	35 l/min	3/4" BSP	13 kg



**OMPI FUEL - OMPI presents the new management and monitoring system for Diesel. An extremely flexible and intuitive system, suitable for plants and company fleets of all sizes for effective control of dispensing.**

**With OMPI FUEL it is possible to:**

- Control Dispensing.
- Easier access by the User.
- Manage tanks.
- Save money through waste reduction.
- Track dispensing data in real time and create a history of information.

## OMPI FUEL TOWER

self-supporting dispensing tower  
Art.no. 71970



## OMPI FUEL BOX

for wall, tanks and drums installation  
Art.no. 71971



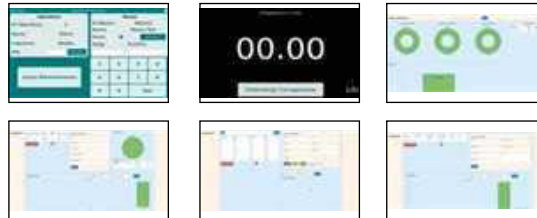
## OMPI FUEL ANTENNA

license plate and/or operator/  
vehicle recognition module  
Art.no. 71972



## OMPI FUEL SOFTWARE

fleet management software



**OMPI FUEL** allows the operator to access dispensings via:

- OPERATOR RECOGNITION: A SINGLE PERSONAL ACCESS BADGE (which can be the same one already used to detect attendance) or manually via PIN or FINGERPRINT READER;
- VEHICLE RECOGNITION: VEHICLE RECOGNITION ANTENNA (RFID reader) or, alternatively, manual entry of the license plate.

Each system is equipped with n. 2 software for greater SECURITY and INCREASED OPERATIONALITY that allows the following access levels:

- 1- ADMINISTRATOR
- 2- SUPERVISOR
- 3- USERS

**OMPI FUEL SOFTWARE** allows you to:

- Manage fleets via WI-FI FUNCTIONALITY or LAN network.
- Manage kilometers and hours of work
- Provide hourly authorization even for a single user/vehicle
- Limit the quantity of dispensing
- Export all the data collected in XLS
- Perform remote access
- Consult information via email
- View management data in a graphic and intuitive way
- Alert management
- Analysis of average consumption of user vehicles
- Possibility of collecting service information for each vehicle (for example malfunctions)
- Monitoring of tank levels and alert emails when minimum reserve level is reached.

### TECHNICAL CHARACTERISTICS

- Diesel dispensing tower in a faired body prepared with nozzle support and internal hose reel.
- 230 VAC electric pump art. no. 71900
- 10 micron cartridge filter (head + replaceable cartridge) with absorption of any presence of water - max flow rate 110 l/min - connections  $\varnothing$  1 1/4"
- Electric pump block system consisting of pressure switch and safety electrical panel
- Flexible hose  $\varnothing$  1" L. 1 m for connecting the suction hose from the tank to the pump
- Flexible hose  $\varnothing$  1" L. 3 m for connecting the pump to the gun or delivery hose reel
- Automatic nozzle for diesel - connections  $\varnothing$  1" - max flow rate 120 l/min.
- Can also be installed outdoors.

### Optional

Automatic spring hose reel art. no. 38330.



Art.no. **51117-12**  
Art.no. **51117-24**

**43 l/min**

Electric vane pump, 12 VDC and 24 VDC, selfpriming, for the transfer of diesel, with transport handle, ON-/OFF-switch and 2 m – cable with alligator clamps for battery connection.

Art. no.	Voltage	Power	Current drain	Rpm	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>51117-12</b>	12 VDC	216 W	18 A	2800	43 l/min	1" BSP (F)	4,5 Kg	140x150x200
<b>51117-24</b>	24 VDC	240 W	9 A					



Art.no. **70497**  
Art.no. **70497-24**

Electric vane pump, 12 VDC and 24 VDC, selfpriming, for the transfer of diesel, with transport handle, ON-/OFF-switch and 4 m – cable with alligator clamps for battery connection.

**60 l/min**

Art. no.	Voltage	Power	Current drain	Rpm	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>70497</b>	12 VDC	240 W	30 A	4200	60 l/min	1" BSP (F)	5,6 Kg	130x150x300
<b>70497-24</b>	24 VDC	240 W	15 A					



Art.no. **70495-12**

Portable diesel-oil transfer unit composed of:

- 12 VDC vane pump
- 5 mt hose
- aluminium fittings and nozzle

**40 l/min**

Art.no. **70495-24**

Portable diesel-oil transfer unit with 24 VDC vane pump

Art. no.	Voltage	Flow rate	Weight	Dimensions (LxWxH) (mm)
<b>70495-12</b>	12 VDC	40 l/min	9 Kg	380x430x250
<b>70495-24</b>	24 VDC			



Art.no. **71487-12**  
Art.no. **71487-24**

Diesel transfer kit, mounted on wall bracket. Available with motor in 12 VDC or 24 VDC.

Composed of mechanical flow meter, selfpriming electric vane pump with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with alligator clamps for battery connection, suction foot valve with filter, 4 m - rubber delivery hose Ø 3/4" and manual aluminium nozzle.



Optional: automatic shut-off dispensing nozzle with inlet swivel (art. no. 71450).

Art. no.	Voltage	Power	Current drain	Rpm	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>71487-12</b>	12 VDC	220 W	18 A	2800	40 l/min	1" BSP (F)	14 Kg	430x160x340
<b>71487-24</b>	24 VDC	240 W	9 A					

**55 l/min**

Art.no. **71478**

Electric vane pump, selfpriming, 230 VAC, for the transfer of diesel.  
Rotor in sintered steel and vanes in acetal resin.  
The pump has a built-in bypass valve; protection category IP 55.  
Flow rate 55 l/min.



Art. no.	Voltage	Power	Current drain	Rpm	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>71478</b>	230 VAC - 50Hz	370 W	1.5 A	2800	55 l/min	1" BSP (F)	7 Kg	170x190x230

**65 l/min**

Art.no. **71901**  
Art.no. **71902**

Electric vane pump, selfpriming, 230 VAC or 400 VAC, for the transfer of diesel. Rotor in sintered steel and vanes in acetal resin.  
The pump has a built-in bypass valve; protection category IP 55.  
The low number of rotations of the motor permits a constant flow without turbulences, a low noise and less abrasion of the components.  
Flow rate 65 l/min at 900 rpm.



Art. no.	Voltage	Power	Current drain	Rpm	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>71901</b>	400 VAC - 50Hz	550 W	2.5 A	900	65 l/min	1" BSP (F)	15 Kg	200x240x300
<b>71902</b>	230 VAC - 50Hz	700 W	6.2 A					

**98 l/min**

Art.no. **71900**

Electric vane pump, selfpriming, 230 VAC, for the transfer of diesel. Rotor in sintered steel and vanes in acetal resin.  
The pump has a built-in bypass valve; protection category IP 55.  
Flow rate 98 l/min at 1400 rpm.



Art. no.	Voltage	Power	Current drain	Rpm	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>71900</b>	230 VAC - 50Hz	550 W	6.2 A	1400	98 l/min	1" BSP (F)	15 Kg	200x240x300



Art.no. **71476**

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket.

Composed of selfpriming electric pump with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with plug and fuse, mechanical flow meter, 4 m - rubber delivery hose Ø 3/4", 2 m – suction hose Ø 25 mm, suction foot valve with filter and automatic shut-off dispensing nozzle with inlet swivel.

**55 l/min**



Diesel

Art. no.	Voltage	Power	Current drain	Rpm	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>71476</b>	230 VAC - 50Hz	370 W	1.5 A	2800	55 l/min	1" BSP (F)	18 Kg	400x400x290



Art.no. **71482**

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket.

Composed of selfpriming electric pump with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with plug and fuse, mechanical flow meter, 4 m - rubber delivery hose Ø 1", 2 m – suction hose Ø 25 mm, suction foot valve Ø 1"1/4 with filter and automatic shut-off dispensing nozzle with inlet swivel.

**99 l/min**

Art. no.	Voltage	Power	Current drain	Rpm	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>71482</b>	230 VAC - 50Hz	750 W	6.2 A	1400	99 l/min	1" BSP (F)	22 Kg	400x400x290



Art.no. **71479**

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket, but equipped with automatic rewind, spring – driven hose reel, adjustable arms series, in painted steel with 8 m - rubber delivery hose Ø 1", 2 m – connection hose to pump and diesel/water separating cartridge filter.



Art. no.	Voltage	Power	Current drain	Rpm	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>71479</b>	230 VAC - 50Hz	750 W	6.2 A	1400	60 l/min	1" BSP (F)	42 Kg	400x400x290



Art.no. **71400**

Manual diesel dispensing nozzle, body in aluminium, with plastic hose tail ø 25 mm and dispensing outlet with ø ext. 25 mm, with latch for locking of trigger.

Max flow rate 90 l/min.

The nozzle can also be used for the dispensing of oils with a max. pressure of 7 bar.



Art.no. **71400-F**

Same as art. no. 71400, but with inlet swivel 1" BSP (M-F).

Art.no. **71450**

Automatic shut-off dispensing nozzle for diesel, body in aluminium with rubber protection, with inlet swivel 1" BSP (M-F) and dispensing outlet with ø ext. 24 mm.

Max flow rate 60 l/min.



Art.no. **71490**

Automatic shut-off dispensing nozzle for diesel, body in aluminium with rubber protection, with inlet swivel 1" BSP (M-F) and dispensing outlet with ø ext. 29 mm.

Max flow rate 110 l/min.

Art.no. **71451**

Inlet swivel 3/4" BSP (M) – 1" BSP (F).

Art.no. **71458**

Inlet swivel 1" BSP (M) – 1" BSP (F).

Art.no. **71454**

Inlet swivel 3/4" BSP (M) – 1" BSP (M).

Art.no. **71453**

Inlet swivel 1" BSP (M) – 1" BSP (M).

Art.no. **71455**

Inlet swivel 3/4" BSP (M) – 3/4" BSP (M).

Art.no. **71461**

Inlet swivel 1" (M) x 1" 1/4" (M).





Art.no. **70501**

In-line filter for diesel and petrol with 30 microns – cartridge for the absorption of water that is eventually present in the storage tank. The water could particularly become dangerous for the diesel motors of the latest generation. The filter continuously absorbs the water which after some time will cause a reduction of the delivery and also a loss of head of the diesel supply unit. Therefore the clogged cartridge must be replaced. The filter can be installed on the suction side as well as on the delivery side of the diesel supply unit.



Art.no. **70500**

Replacement cartridge, 30 microns, for filter art. no. 70501.

Art. no.	Max flow rate	Working pressure	Burst pressure	Filtration degree	Connection threads	Dimensions (LxWxH) (mm)
<b>70501</b>	70 l/min	3.5 bar	10 bar	30 microns	1" BSP (F)	100 x 280 x 95

Art.no. **70499**

Water separator head and adaptor for 70L/min cartridge.



Art.no. **71525**

Plastic suction filter with hose tail ø 25 mm.



Art.no. **065556**



Art.no. **71525**

Art.no. **71521**

Plastic hose tail ø 25 mm – connection thread 3/4" BSP (M).

Art.no. **71551**

Plastic hose tail ø 25 mm – connection thread 1" BSP (M).

Art.no. **71552**

Plastic hose tail ø 19 mm – connection thread 3/4" BSP (M).

Art.no. **065556**

Non-return suction foot valve, body in plastic, with filter, connection thread 1" BSP (F).



Art.no. **71501**  
Art.no. **71504**



Art.no. **71521**  
Art.no. **71551**  
Art.no. **71552**

Art.no. **71501**

Non-return suction foot valve, body in brass, with filter in stainless steel. Connection thread 1" BSP (F), ø 47.5 mm, total height 91.5 mm

Art.no. **71504**

Non-return suction foot valve, body in brass, with filter in stainless steel. Connection thread 3/4" BSP (F), ø 47.5 mm, total height 91.5 mm



Art.no. **71720**

3-digit mechanical diesel-oil meter. Flow rate 20-120L/min. 1" BSP connection.

Art. no.	Flow range	Connection threads	Dimensioni (L-P-H) (mm)
<b>71720</b>	20 – 120 l/min	1" BSP (F)	170x180x150



Art.no. **71721**

4- digit mechanical diesel-oil meter. Flow rate 20-120L/min. 1" BSP connection.

Art. no.	Flow range	Connection threads	Dimensions (LxWxH) (mm)
<b>71721</b>	20 – 120 l/min	1" BSP (F)	170x180x150



Art.no. **72730-G**  
Art.no. **72735-G**

Electronic flow meter **series Diesel Neptune** with connection  $\varnothing$  1" BSP (F) (art. no. 72730-G) and  $\varnothing$  1 1/4" BSP (F) (art. no. 72735-G), without gun, for inline application.

Art. no.	<b>72730-G</b>	<b>72735-G</b>
Connections	1" BSP (F)	1 1/4" BSP (F)
Flow rate min – max	20 – 100 l/min	20 – 150 l/min
Temperature	+ 5°C / + 50°C	
Max pressure	40 bar (580 psi)	
Precision	$\pm$ 1%	
Voltage	3 x 1.5 V	
Weight	1.6 kg	1.8 kg

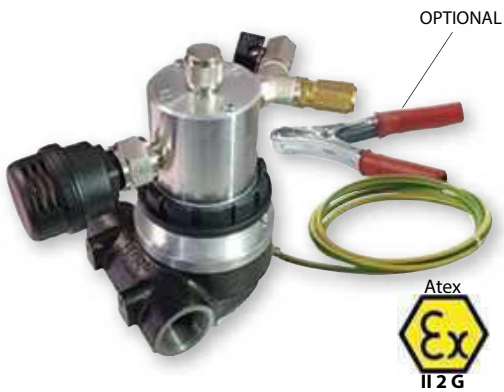
Art.no. **71723**

Electronic turbine flow meter for diesel, body in reinforced polyamide, suitable for in-line applications, with 5 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable). The meter includes also a flow rate indicator. The display can be rotated in 4 different positions.



Art. no.	Flow range	Max working pressure	Accuracy*	Resolution	Connection threads	Weight
<b>71723</b>	5 – 120 l/min	20 bar	+ / - 1%	0.01 l	1" BSP (M)	0.4 kg

\* Accuracy in % of flow range after calibration.



Art.no. **51115**

Pneumatic rotary vane pump for petrol transfer, self-priming, with aluminium motor, cast iron body and sintered steel rotor.

On demand the pump can be supplied with an earth cable to enable an electrostatic discharge.

It is constructed in accordance with directive ATEX 2014/34/EU.

Art. no.	Compressed air supply	Max outlet pressure	Max Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>51115</b>	2 – 6 bar	0.5 bar	30 l/min	3/4" BSP (F)	2.5 kg	165x165x180



Art.no. **51114**

Pneumatic 1:1 – piston pump, suitable for the suction and the transfer of petrol. On demand the pump can be supplied with an earth cable to enable an electrostatic discharge.

It is constructed in accordance with directive ATEX 2014/34/EU.

Art. no.	Compressed air supply	Max outlet pressure	Max Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>51114</b>	2 – 6 bar	6 bar	25 l/min	3/4" BSP (F)	8 kg	530x120x90



Art.no. **51113**

Electric, selfpriming 12 VDC – rotary vane pump (on demand also available in 230 VAC) for the transfer of petrol, with painted body in cast iron with anticorrosive coating, anti-noise filter (electromagnetic compatibility EMC), thermal protection, non-return valve, pressure relief valve, built-in bypass valve.

The pump is constructed in accordance with directive ATEX 2014/34/EU – IECEx (group II – category 2 – G Ex d IIA T4 Gb).

Art. no.	Voltage	Power	Flow rate	Current drain	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>51113</b>	12 VDC	250 W	50 l/min	21 A	1" BSP (F)	7 kg	195x355x270



Art.no. **51119**

Automatic shut-off dispensing nozzle for petrol, with rubber protection.

Mod.	Flow range	Connection threads	Diameter outlet spout	Weight
<b>51119</b>	1 - 50 l/min	3/4" BSP (F)	20 mm	1.2 kg



Art.no. **71724**

Mechanical oscillating disk flow meter for petrol, kerosene and diesel, with 3 – digits partial meter (max. 9999 l; resettable to zero) and 8 – digits totalizer (non resettable). The meter can easily be calibrated and it can also be used for gravity applications. The upper part can be rotated so that different flow directions are possible.

The flow meter is constructed in accordance with directive ATEX 2014/34/EU – IECEx (group II – category 2 – G Ex d IIA T4 Gb).

Art.no. **71725**

Mechanical oscillating disk flow meter like art.no. 71724 but with 4 digits.

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
<b>71724</b> <b>71725</b>	20 – 120 l/min	3,5 bar	28 bar	+/- 1%	0,01 l	F 1" BSP	0,6 kg

\*Accuracy in % of flow range after calibration.

Art.no. **70507-X**

Jerrycan in polyethylene, suitable for the storage of petrol, with flexible outlet.  
With UN – approval.



Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
<b>70507-5</b>	5 l	0.5 kg	260x140x240
<b>70507-10</b>	10 l	0.65 kg	300x170x260
<b>70507-20</b>	20 l	1.2 kg	350x190x380

Art.no. **70506-X**

Jerrycan in painted sheet steel, suitable for the storage of petrol, internally painted.  
With UN – approval.

**Optional:**

- Art. no. **70506-T**: Rigid dispensing outlet with quick connection coupling.
- Art. no. **70506-F**: Flexible dispensing outlet with quick connection coupling.



Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
<b>70506-5</b>	5 l	1.9 kg	230x120x330
<b>70506-10</b>	10 l	2.9 kg	370x170x280
<b>70506-20</b>	20 l	4.2 kg	350x160x470

Art.no. **70505-X**

Jerrycan in stainless sheet steel, suitable for the storage of petrol, wall thickness 0.8 mm.  
With UN – approval.



Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
<b>70505-10</b>	10 l	2.9 kg	350x170x280
<b>70505-20</b>	20 l	4.2 kg	350x170x473



**OMPI UREA** - Ompi presents the new management and monitoring system for AdBlue®. An extremely flexible and intuitive system, suitable for plants and company fleets of all sizes for effective control of dispensing.

With OMPI UREA it is possible to:

- Control Dispensing.
- Easier access by the User.
- Manage tanks.
- Save money through waste reduction.
- Track dispensing data in real time and create a history of information.

## OMPI UREA TOWER

self-supporting dispensing tower  
Art.no. 71970-UR



## OMPI UREA BOX

for wall, tanks and drums installation  
Art.no. 71971-UR



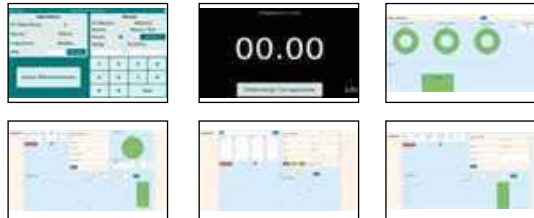
## OMPI UREA ANTENNA

license plate and/or operator/  
vehicle recognition module  
Art.no. 71972-UR



## OMPI UREA SOFTWARE

fleet management software



**OMPI UREA** allows the operator to access dispensings via:

- OPERATOR RECOGNITION: A SINGLE PERSONAL ACCESS BADGE (which can be the same one already used to detect attendance) or manually via PIN or FINGERPRINT READER;
- VEHICLE RECOGNITION: VEHICLE RECOGNITION ANTENNA (RFID reader) or, alternatively, manual entry of the license plate.

Each system is equipped with n. 2 software for greater SECURITY and INCREASED OPERATIONALITY that allows the following access levels:

- 1- ADMINISTRATOR
- 2- SUPERVISOR
- 3- USERS

**OMPI UREA SOFTWARE** allows you to:

- Manage fleets via WI-FI FUNCTIONALITY or LAN network.
- Manage kilometers and hours of work
- Provide hourly authorization even for a single user/vehicle
- Limit the quantity of dispensing
- Export all the data collected in XLS
- Perform remote access
- Consult information via email
- View management data in a graphic and intuitive way
- Alert management
- Analysis of average consumption of user vehicles
- Possibility of collecting service information for each vehicle (for example malfunctions)
- Monitoring of tank levels and alert emails when minimum reserve level is reached.

## TECHNICAL CHARACTERISTICS

- Dispensing tower for AdBlue® in a faired body prepared with nozzle support and internal hose reel.
- 230 VAC electric pump art. no. 70899.
- Electric pump block system consisting of pressure switch and safety electrical panel
- Flexible hose Ø 1/2" L. 1 m for connecting the suction hose from the tank to the pump
- Flexible hose Ø 1/2" L. 3 m for connecting the pump to the gun or delivery hose reel
- Automatic nozzle for AdBlue®.
- Can also be installed outdoors.

## Optional

Automatic spring hose reel art. no. 38310.



**Art.no. 71704**

Electric, selfpriming gear pump for the supply of AdBlue®; guarantees a constant flow and a low noise level.

Pump body in IXEF®, gears in plastic.

Protection category IP 55.

Includes ON/OFF – switch and 1.5 m – cable with plug and by-pass valve set at 4 bar.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>71704</b>	230 VAC 50 Hz	2.4 A	1350	250 W	4 bar	15 l/min	1/2" BSP (M)	7 kg	240x290x180



**Art.no. 70899**

Electric, selfpriming gear pump for the supply of AdBlue®; guarantees a constant flow and a low noise level.

Pump body in stainless steel AISI 304, gears in plastic.

Protection category IP 55.

Includes ON/OFF – switch and 1.5 m – cable with plug and a bypass valve preset on 5 bar pressure.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>70899</b>	230 VAC - 50 Hz	3.8 A	2760	370 W	5 bar	10.5 l/min	1/2" BSP (M)	7.5 Kg	150x300x190



**Art.no. 71706**

**Art.no. 71707**

Electric, selfpriming gear pump, with motor in 12 VDC or 24 VDC, for the supply of AdBlue®.

Pump body in stainless steel AISI 304, gears in plastic and adjustable by-pass valve..

Includes ON/OFF-switch and 2.5 m – cable with alligator clamps for battery connection.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>71706</b>	12 VDC	30 A	3400	240 W	4 bar	10.5 l/min	1/2" BSP (M)	3.6 Kg	260x130x140
<b>71707</b>	24 VDC	15 A							



**Art.no. 71711**

**Art.no. 71712**

Electric self-priming gear pump, for the supply of AdBlue® and water; guarantees a constant flow and a low noise level.

Pump body in stainless steel, gears in plastic and pump shaft in stainless steel.

Includes a bypass set at 5 bar pressure and 2.5 m - electric cable with alligator clamps for battery connection.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>71711</b>	12 VDC	30 A	3400	240 W	5 bar	10 l/min	1/2" BSP (M)	3.6 Kg	260x130x140
<b>71712</b>	24 VDC	15 A							



**Art.no. 70860**

Multi-impeller submersible electric pump for liquid AdBlue®, conforming to ISO 22241.

Complete with 5 meters power cable.

Art. no.	Voltage	Current drain	Power	Max. liquid temperature	Max. head	Flow rate	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>70860</b>	230 V 50 Hz	2 A	0.7 kW	+40 °C	27 m	70 l/min	1" 1/4 BSP (F)	5,8 Kg	180x170x295



Art.no. **70140**

Electric dispensing kit for AdBlue®, composed of 230 VAC – electric pump (art. no. 71704), suitable for the use with 1000 l – IBC – tanks, including lateral, metal mounting frame with gun holder, 1 m – EPDM suction hose  $\varnothing$  1/2" with special adapter for connection to the bottom valve of the tank, 3 m – EPDM delivery hose  $\varnothing$  1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet  $\varnothing$  16 mm.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. Flow rate	Weight
<b>70140</b>	230 VAC - 50 Hz	2.4 A	1350	250 W	4 bar	15 l/min	22 Kg



OPTIONAL  
IBC 1000/l  
not included.

Art.no. **70145**

Electric dispensing kit for AdBlue®, composed of 230 VAC – electric pump, suitable for the use with 1000 l – IBC – tanks, including lateral, metal mounting frame with gun holder, 1 m – EPDM suction hose  $\varnothing$  1/2" with special adapter for connection to the bottom valve of the tank, 3 m – EPDM delivery hose  $\varnothing$  1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet  $\varnothing$  16 mm.

Art.no. **70145-200**

Same kit as art. no. 70145, but suitable for the use with 208 l – plastic drums.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. delivery	Weight
<b>70145</b>	230 VAC - 50 Hz	2.4 A	1350	250 W	4 bar	15 l/min	22 Kg
<b>70145-200</b>							



Art.no. **70100**

Electric dispensing kit for AdBlue®, composed of 230 VAC – electric pump (art. no. 71704), suitable for the use in 1000 l – IBC – tanks, with bung adapter, metal mounting frame with gun holder, suction tube with connection hose to pump, automatic rewind, spring – driven hose reel, adjustable arms series, in stainless steel, with 15 m – EPDM delivery hose  $\varnothing$  1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet  $\varnothing$  16 mm (art.no. 71310).  
IBC 1000/l not included.

OPTIONAL

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. Flow rate	Weight
<b>70100</b>	230 VAC - 50 Hz	2.4 A	1360	250 W	4 bar	15 l/min	48 Kg



Art.no. **70070**

Same kit as art. no. 70100, but with automatic shut-off dispensing nozzle for AdBlue® instead of electronic oval gears flow meter for with control dispensing nozzle.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. Flow rate	Weight
<b>70070</b>	230 VAC - 50 Hz	2.4 A	1360	250 W	4 bar	15 l/min	48 Kg

## Art.no. 70120

Electric transfer system for AdBlue®, composed of 230VAC stainless-steel pump art.no. 70899, suitable for 1000L tanks, with digital flow meter art.no. 16710, ring nut and pump metal holder, spring driven stainless-steel hose reel with 15 mt flexible hose, filling gun with automatic stop.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. Flow rate	Weight
<b>70120</b>	230 VAC - 50 Hz	3.8 A	2760	370 W	5 bar	10 l/min	48 Kg

## Art.no. 70020

Pneumatic dispensing kit for AdBlue®, composed of 1:1 – pneumatic piston pump with wetted parts in stainless steel (art. no. 22060), suitable for the use in 1000 l – IBC – tanks, with bung adapter, metal mounting frame with gun holder, pressure regulator and air filter with moisture separator, automatic rewind, spring – driven hose reel, adjustable arms series, in stainless steel, with 15 m – EPDM delivery hose ø 1/2" and electronic oval gears flow meter for AdBlue®, filling gun with automatic stop.



Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max Flow rate	Weight
<b>70020</b>	2-8 bar	1: 1	8 bar	30 l/min	34 kg





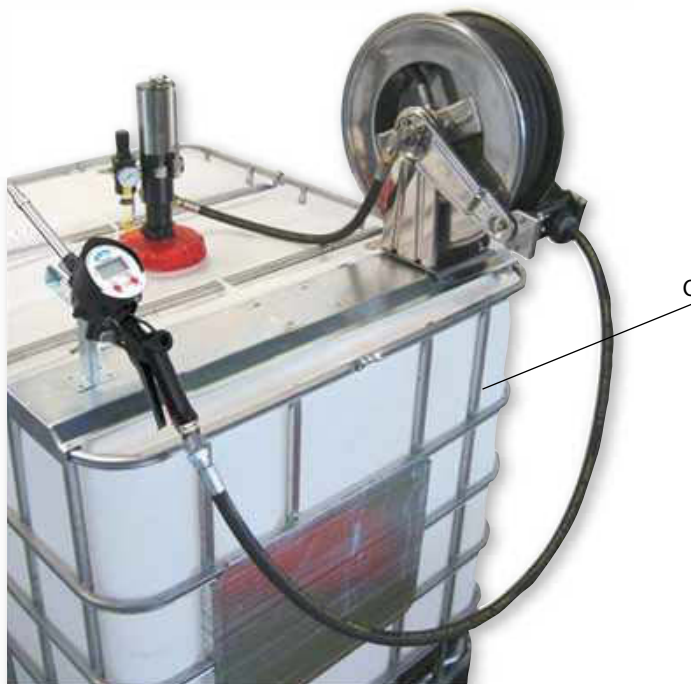
Art.no. **71000**

Pneumatic dispensing kit for AdBlue®, composed of pneumatic 1:1 - piston pump with wetted parts in stainless steel, suitable for the use in drums or in 1000 l – IBC – tanks, pressure regulator and air filter with moisture separator, bung adapter, 3 m – EPDM delivery hose ø 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm.

Art.no. **71000-P**

Same kit as art. no. 71000, but with automatic shut-off dispensing nozzle for AdBlue® and without flow meter.

Art. no.	Compressed air supply	Max outlet pressure	Max Flow rate	Weight
<b>71000</b>	2-8 bar	8 bar	35 l/min	9 kg
<b>71000-P</b>				10 kg



Art.no. **70050**

Pneumatic dispensing kit for AdBlue®, composed of 1:1 – pneumatic piston pump with wetted parts in stainless steel (art. no. 22060), suitable for the use in 1000 l – IBC – tanks, with bung adapter, metal mounting frame with gun holder, pressure regulator and air filter with moisture separator, automatic rewind, spring – driven hose reel, adjustable arms series, in stainless steel, with 15 m – EPDM delivery hose ø 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm.

IBC 1000 l not included.

OPTIONAL

Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max Flow rate	Weight
<b>70050</b>	2-8 bar	3: 1	8 bar	30 l/min	34 kg



Ø 1/2"

## 2TT

Systems for AdBlue®

The **new electronic flow meter series 2TT NEPTUNE** features the following characteristics:

- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component.

The flow meter allows to display four different measurement results:

- 1) the quantity of each individual fluid dispense: single operation measurement (resettable),
  - 2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
  - 3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable)
  - 4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable)
- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
  - the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
  - the display additionally assures a perfect readability through included backlit feature;
  - the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
  - it also assures an improved accuracy and repeatability of the measurement;
  - easy change of the batteries through a rear holder;
  - the flow meter is equipped by a rubber protection guard.



Art.no. **72310**  
AdBlue®



Art.no. **16710**  
AdBlue®

Art.no. **72310**

Electronic oval gears flow meter for **AdBlue®** serie **Neptune**, not approved for fiscal transactions, plastic body in IXEF® loaded with high density glass fibre, gears in PPS and PTFE, with plastic control gun, inlet swivel in stainless steel 1/2" BSP (M) and rigid outlet in stainless steel, Ø 16 mm, with automatic anti-drip nozzle in stainless steel.

Art.no. **16710**

Electronic oval gears flow meter for **AdBlue®** serie **Neptune**, not approved for fiscal transactions, body in plastic with high density glass fibre IXEF®, gears in PPS and PTFE, suitable for inline applications.

Art. no.	72310	16710
Connection	1/2" BSP (M)	1/2" BSP (F)
Delivery min - max	1 - 20 l/min	
Temperature	+ 5°C / + 50°C	
Max pressure	25 bar (363 psi)	10 bar (145 psi)
Precision	± 0.5%	
Total max (resettable)	99999 l	
Total max (non-resettable)	99999 l	
Power	3 x 1.5 V	
Weight	1.2 kg	0.8 kg

Not approved for fiscal transactions.

## 4TT



Art.no. **16400**  
Art.no. **16400-RF**  
AdBlue®



Art.no. **16405**  
Art.no. **16405-RF**  
AdBlue®

The **new electronic flow meter series 4TT** features the following characteristics:

- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component;
- the flow meter allows to display five different measurement results:
  - 1) the quantity of each individual fluid dispense: single operation measurement (resettable),
  - 2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
  - 3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable),
  - 4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable),
  - 5) **MEMORY:** traceability of operations up to 1,000 records with indication of the unit of measurement, date and time in which the delivery was performed.
- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries through a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an integrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.

Art.no. **16400**

Electronic oval gears flow meter for **AdBlue®**, series **MARS**, with control gun, rubber protection guard, trigger guard, rigid outlet, anti-drip nozzle and inlet swivel 1/2" BSP (M). Gun with plastic body.

Art.no. **16405**

Electronic oval gears flow meter for **AdBlue®**, series **MARS**, suitable for inline applications, connections 1/2" BSP (F).

**The flow meters of series JUPITER are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the RF CONNECT control unit.**

Art.no. **16400-RF**

Electronic oval gears flow meter for **AdBlue®**, series **JUPITER**, with control gun, rubber protection guard, trigger guard, rigid outlet, anti-drip nozzle and inlet swivel 1/2" BSP (M). Gun with plastic body.

Art.no. **16405-RF**

Electronic oval gears flow meter for **AdBlue®**, series **JUPITER**, suitable for inline applications, connections 1/2" BSP (F).

Art. no.	<b>16400</b> <b>16400-RF</b>	<b>16405</b> <b>16405-RF</b>
Connection	1/2" BSP (M)	1/2" BSP (F)
Delivery min - max	1 - 20 l/min	
Temperature	+ 5°C / + 50°C	
Max pressure	25 bar (363 psi)	10 bar (145 psi)
Precision	± 0.5%	
Total max (resettable)	99999 l	
Total max (non-resettable)	99999 l	
Power	3 x 1.5 V	
Weight	1.2 kg	0.8 kg

Not approved for fiscal transactions.



Art.no. **71315**

Electronic turbine flow meter for AdBlue®, body in reinforced polyamide, suitable for in-line applications, with 5 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable). The meter includes also a flow rate indicator. The display can be rotated in 4 different positions.

Art. no.	Max working pressure	Max flow rate	Accuracy	Connection thread	Weight	Dimensions (LxWxH) (mm)
<b>71315</b>	20 bar	100 l/min	+/-1%	1" BSP (M)	0.4 kg	100x54x74



Art.no. **71300**

Automatic filling nozzle for AdBlue®, plastic body with rubber protection, with Viton® gaskets, wetted parts and rigid dispensing outlet (ø 19 mm) in stainless steel, swivel hose tail ø 19 mm.

Art. no.	Max working pressure	Flow range	Connection thread	Weight	Dimensions (LxWxH) (mm)
<b>71300</b>	8 bar	1 - 35 l/min	Hose tail ø 19 mm	2.5 kg	400x155x56



Art.no. **71301**

Automatic shut-off dispensing nozzle for AdBlue®, body in coated aluminium, internal components in stainless steel and plastic, suitable for the use with light vehicles, with integrated misfilling prevention, antidrip device on outlet, inlet swivel 3/4" BSP (M). Dispensing only possible in conjunction with filling points according to ISO 22241-5. Includes also test adapter and an adjustment key for changing the flow rate.

Art. no.	Max working pressure	Flow range	Connection thread	Weight	Dimensions (LxWxH) (mm)
<b>71301</b>	min. 1.5 bar – max. 3.5 bar	1 - 10 l/min	3/4" BSP (M)	1.5 kg	400x155x56



Art.no. **22100**



Art.no. **28971**

Art.no. **22100**

Plastic suction tube, ø 40 mm, length 1100 mm, with bung adapter 2" BSP for fixation on drums or tanks and 90° - elbow adapter ø 25 mm for hose connection. Suitable for 1000 l – IBC – tanks.

Art.no. **28971**

EPDM delivery hose, ø 3/4" (sold by the meter).



Art.no. **22110**



Art.no. **74562**

Art.no. **22110**

Suction kit for AdBlue® drums and tanks, composed of plastic suction tube (in HDPE) with plug head BCS 56x4 and foot valve and SEC/CDS - suction coupling with 90° - elbow hose tile ø 20 mm for hose connections.

Art.no. **74562**

Stainless-steel foot valve for rigid or flexible EPDM suction pipe.





OMPI manufactures a wide range of hose reels that guarantee a comfortable hose rewinding in all possible application fields and fluids such as:

- Lubricating oils and antifreeze
- Grease
- Compressed air
- Water at low or high pressure
- Fuels
- AdBlue®/DEF/AUS32

The use of hose reels provides more security in the workshop and increases the life of hoses since those are no longer rest upon the floor after use where they could be damaged.

In order to satisfy all application requirements the hose reels are available in three main materials:

- Epoxy powder-coat painted carbon steel
- Stainless steel AISI 304
- Stainless steel AISI 316 (on request)

The hose rewinding can be carried out:

- automatically by the use of a spring,
- manually by the use of a hand crank,
- by the use of a hydraulic motor,
- by the use of an electric motor.

In order to be able to offer a suitable solution to any requirement existing in the market, various hose reel series have been developed.



The OMPI hose reel range consists of a big variety of versions that have been developed in order to meet the requirements of installation at the place of use. They can be classified according to their constructional characteristics, their form, their dimensions and materials into the following series:

## STANDARD SERIES

The most common, most economic and extremely approved version, suitable for hose diameters up to 1/2".



## ENCLOSED SERIES

Two metal enclosures provide an optimal protection of the hose and improve the esthetic effect of the installation.



## ADJUSTABLE ARMS SERIES

In this version the outlet direction of the hose can be adjusted into various positions. Thus it permits a mounting of the hose reel also on the ceiling. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted.



## DOUBLE/TRIPLE SPRING ADJUSTABLE ARMS SERIES

The double/triple spring system allows the rewinding of long distances of hose.



## HEAVY DUTY SERIES

The models of this series are suitable for applications under high mechanical demands.



## MANUAL SERIES

Hose reels with unwinding and rewinding of the hoses by means of a hand crank.



## SPECIAL HOSE REELS

In this category can be found hose reels with special technical and/or constructive characteristics, such as those with electro-mechanical or hydraulic rewinding systems and hose reels with a hose guide system enabling a better rewinding.

## TWIN-HOSE SERIES

With double inlet-outlet for when it is necessary to keep two fluids separate (e.g. oxygen-acetylene).



All hose reels can be supplied without or with the requested hoses already mounted.

For an easier selection of the required hose reel model, please see the chart on catalogue next pages. Catalogue pages 229-231 shall help you in choosing the suitable hose type and length.



The hose reel models which are marked with the ATEX symbol are available with the corresponding ATEX certificate, in accordance with directive ATEX 2014/34/EU – group II – category 2.



**NOVATG®** is the new hose guide system for the correct hose rewinding on the hose reel drum.



## ANDROMEDA

The new range of ANDROMEDA hose reels combines the functionality of the classic OMPI spring-driven hose reels with a new design and new possibilities of use.



## ORION RD

The ORION RD series has the same structural characteristics as the ANDROMEDA but differs in its MANUAL use.

## ORION EASY/HEAVY DUTY

This wheeled version of manual hose reel allows use with long distance hoses.



## SIRIO

The SIRIO hose reel is the new compact motorized hose reel capable of operating with various electric or electro-hydraulic motors (12/24 VDC / 230 VAC).



## GEMINI

The GEMINI motorized hose reel allows working with hoses of large lengths and diameters thanks to the hydraulic motor powered by 12, 24 VDC or 230 VAC and complete with an hydraulic control unit, housed in the base of the hose reel.



## TITANO HEAVY DUTY

The TITANO series has been developed for use in the most demanding situations with hoses up to Ø 1"1/4 / Ø 1"1/2, with reinforced spring or with electro-hydraulic motorization.

Supplied as standard with a manually operated hose guide but with the possibility of having an automatic hose guide.



## THIN REEL SERIES

Its innovative constructional design characterizes the models of this series which are particularly suitable in applications with limited space in width thanks to its overall width of max. 150 mm, f. ex. for the installation inside of compact cabinets.



## AIR-FUMES EXTRACTION

Automatic spring-driven hose reels in painted or stainless steel suitable for air/fumes extraction.



	SERIES	Page	Hose diameter	MAX INSTALLABLE HOSE LENGTH												
				8 m	10 m	15 m	18 m	20 m	25 m	30 m	35 m	40 m	50 m	60 m	70 m	100 m
PAINTED STEEL HOSE REELS	STANDARD	176	1/4"	37115	37115	37115	37120	37120	37125							
			3/8"	37115	37115	37115	37120	37120	37125							
			1/2"	37115	37115	37115	37120	37120								
	ENCLOSED	177	1/4"	35300	35300	35300	35400	35400	35600							
			3/8"	35300	35300	35300	35400	35400	35600							
			1/2"	35300	35300	35300	35400	35400								
			3/4"	35300B												
	ADJUSTABLE ARMS	178-179-180-181	1/4"	37115B	37115B	37115B	37114	37114	37120B	36471	36470	36472	36480	36480	36481	36481
			3/8"	37115B	37115B	37115B	37114	37114	37120B	36471	36470	36472	36480	36480	36481	36481
			1/2"	37115B	37115B	37115B	37120B	37120B	37125B	36471	36470	36472	36480	36480	36481	36481
		182-183-184	3/4"	36200B	36200B	36215	36800	36475	36473	36425	36485	36485	36483			
			1"	36200B	36215	36800	36473	36425	36484	36484						
			1 1/4"	36217	36445	36445	36445	36445								
		185	1 1/2"	36213	36213	36213										
	HEAVY DUTY	186	1/2"	36150	36150	36150	36150	36150	36300							
		187	3/4"	36200	36200	36100	36100	36400	36400	36400						
	"THINREEL"	220-221	1"	36200	36100	36100	36400	36400	36400							
			1/4"	38600	38600	38600	38700	38700	38700							
	AUTO "LS"	188	1/2"	38600	38700	38700	38700	38700	38700							
			1"	38600	38700	38700	38700	38700	38700							
	MANUAL "LS"	189	1/2"	36271	36271	36271	36272	36272								
			1"	36270												
			1/4"	38150	38150	38150	38150	38150	38150	38160	38160	38160	38155	38155	38155	38165
			3/8"	38150	38150	38150	38150	38150	38160	38160	38160	38155	38165	38165	38165	
			1/2"	38150	38150	38150	38160	38160	38160	38155	38155	38165				

	SERIES	Page	Hose diameter	MAX INSTALLABLE HOSE LENGTH												
				8 m	10 m	15 m	18 m	20 m	25 m	30 m	35 m	40 m	50 m	60 m	70 m	100 m
STAINLESS STEEL HOSE REELS AISI 304	STANDARD	176	1/4"	38200	38200	38200	38300	38300	38210							
			3/8"	38200	38200	38200	38300	38300	38210							
			1/2"	38200	38200	38200	38300	38300								
	ENCLOSED	177	1/4"	38310	38310	38310	38320	38320	38340							
			3/8"	38310	38310	38310	38320	38320	38340							
			1/2"	38310	38310	38310	38320	38320								
			3/4"	38330												
	ADJUSTABLE ARMS	178-179-180-181	1/4"	37118	37118	37118	37157	37157	37119	37158	37142	37159	37147	37147	36482	36482
			3/8"	37118	37118	37118	37157	37157	37119	37158	37142	37159	37147	37147	36482	36482
			1/2"	37118	37118	37118	37119	37119	37153	37158	37142	37159	37147	37147	36482	36482
		182-183-184	3/4"	37150	37150	37155	37160	37143	37161	37162	37148	37148	37156			
			1"	37150	37155	37160	37161	37162	37163	37163						
		185	1 1/4"	36218	36212	36212	36212	36212								
			1 1/2"	37151	37151	37151										
	HEAVY DUTY	186	1/2"	38350	38350	38350	38400	38400	37141	37145	37145	37145				
		187	3/4"	38360	38360	38361	38361	37146	37146	37146						
	MANUAL "LSX"	190	1"	38360	38361	38361	37146	37146	37146							
			1/4"	38100	38100	38100	38100	38100	38100	38115	38115	38115	38115	38110	38110	38130
			3/8"	38100	38100	38100	38100	38100	38115	38115	38115	38110	38110	38130	38130	
			1/2"	38100	38100	38100	38115	38115	38115	38110	38110	38130	38130			
			3/4"	38120	38120	38120	39140	39140	39140							



In the following chart can be found the article numbers and descriptions of different hose types for the mounting on the reel as supply hoses in the most common lengths:

FLUID TYPE	Internal hose diameter	Max working pressure	HOSE LENGTH										MATERIAL
			8 m	10 m	15 m	20 m	25 m	30 m	35 m	40 m	50 m	60 m	
GREASE	1/4"	400 bar	81008	81010	81015	81020	81025	81030	81035	81040	81050	81060	SAE100 R2AT
	3/8"	330 bar	82008	82010	82015	82020	82025	82030	82035	82040	82050	82060	SAE100 R2AT
OIL	1/2"	160 bar	31008	31010	31015	31020	31025	31030	31035	31040	31050	31060	SAE100 R1AT
	3/8"	160 bar	20008	20010	20015	20020	20025	20030	20035	20040	20050	20060	SAE100 R1AT
	3/4"	105 bar	40008	40010	40015	40020	40025	40030	40035	40040	40050	40060	SAE100 R1AT
COMPRESSED AIR	1/2"	40 bar	45008	45010	45015	45020	45025	45030	45035	45040	45050	45060	PVC
	3/4"	40 bar	44008	44010	44015	44020	44025	44030	44035	44040	44050	44060	PVC
WATER	3/8"	160 bar	20008	20010	20015	20020	20025	20030	20035	20040	20050	20060	SAE100 R1AT
	3/8"	400 bar	23008	23010	23015	23020	23025	23030	23035	23040	23050	23060	SAE100 R2AT
	1/2"	15 bar	21008	21010	21015	21020	21025	21030	21035	21040	21050	21060	SYNTHETIC EDIBLE
	1/2"	40 bar	45008	45010	45015	45020	45025	45030	45035	45040	45050	45060	PVC
	3/4"	40 bar	44008	44010	44015	44020	44025	44030	44035	44040	44050	44060	PVC
DIESEL	3/4"	105 bar	40008	40010	40015	40020	40025	40030	40035	40040	40050	40060	SAE100 R1AT
	3/4"	10 bar	61008	61010	61015	61020	61025	61030	61035	61040	61050	61060	CARBOPOMP
	1"	10 bar	71008	71010	71015	71020	71025	71030	71035	71040	71050	71060	CARBOPOMP
	3/4"	10 bar	62008	62010	62015	62020	62025	62030	62035	62040	62050	62060	VACUPRESS
	1"	10 bar	71608	71610	71615	71620	71625	71630	71635	71640	71650	71660	VACUPRESS
ADBLUE /DEF/ AUS32	1/2"	20 bar	28978	289710	289715	289720	289725	289730	289735	289740	289750	289760	EPDM

In the following chart can be found the article numbers and descriptions of different hose types used as connection hoses and mounted at the hose reel inlet swivel joint in the most common lengths:

FLUID TYPE	Internal hose diameter	Max working pressure	HOSE LENGTH							MATERIAL
			0,5 m	1 m	1,5 m	2 m	3 m	4 m	5 m	
GREASE	1/4"	400 bar	810005	81001	810015	81002	81003	81004	81005	SAE100 R2AT
	3/8"	330 bar	820005	82001	820015	82002	82003	82004	82005	SAE100 R2AT
OIL	1/2"	160 bar	310005	31001	310015	31002	31003	31004	31005	SAE100 R1AT
	3/8"	160 bar	200005	20001	200015	20002	20003	20004	20005	SAE100 R1AT
	3/4"	105 bar	400005	40001	400015	40002	40003	40004	40005	SAE100 R1AT
COMPRESSED AIR	1/2"	40 bar	450005	45001	450015	45002	45003	45004	45005	PVC
	3/4"	40 bar	440005	44001	440015	44002	44003	44004	44005	PVC
WATER	3/8"	160 bar	200005	20001	200015	20002	20003	20004	20005	SAE100 R1AT
	3/8"	400 bar	230005	23001	230015	23002	23003	23004	23005	SAE100 R2AT
	1/2"	15 bar	210005	21001	210015	21002	21003	21004	21005	SYNTHETIC EDIBLE
	1/2"	40 bar	450005	45001	450015	45002	45003	45004	45005	PVC
	3/4"	40 bar	440005	44001	440015	44002	44003	44004	44005	PVC
	3/4"	105 bar	400005	40001	400015	40002	40003	40004	40005	SAE100 R1AT
DIESEL	3/4"	10 bar	610005	61001	610015	61002	61003	61004	61005	CARBOPOMF
	1"	10 bar	710005	71001	710015	71002	71003	71004	71005	CARBOPOMF
	3/4"	10 bar	620005	62001	620015	62002	62003	62004	62005	VACUPRESS
	1"	10 bar	716005	71601	716015	71602	71603	71604	71605	VACUPRESS
	ADBLUE /DEF/ AUS32	1/2"	20 bar	289705	289711	289715	289722	28973	28974	28975



The hoses are supplied with swaged female connection threads (connecting nuts).

## EXAMPLE FOR READING THE CHARTS

FLUID TYPE	Internal hose diameter	Max working pressure	Hose length				
			0,5 m	1 m	1,5 m	2 m	3 m
GREASE	1/4"	400 bar	810005	81001	810015	81002	81003
	3/8"	330 bar	820005	82001	820015	82002	82003
OIL	1/2"	160 bar	310005	31001	310015	31002	31003
	3/8"	160 bar	200005	20001	200015	20002	20003
	3/4"	105 bar	400005	40001	400015	40002	40003

FLUID

DIAMETER

MAX. WORKING PRESSURE

ART. NO. HOSE

TOTAL LENGTH INCL. CONNECTION FITTING

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
ANDROMEDA	400 - A1	197	434	130	250	15 - 20 - 25	15 - 20 - 25	15 - 18	12	6
	400 - A2			195		20 - 25	20 - 25	20 - 25	15	10
	400 - A3			260		-	-	-	20	15
	500 - A4	198	540	130	250	20 - 25	20 - 25	20 - 25	20	12
	500 - A5			195		-	-	-	20 - 25	18
	500 - A6			260		-	-	-	25	25
	500 - A7	199	540	130	335	20 - 35	20 - 35	20 - 35	20	12
	500 - A8			195		35	35	35	20 - 30	18
	500 - A9			260		35	35	35	35	25

(\*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
ANDROMEDA SG	400 - ASG1	201	434	130	250	15 - 20 - 25	15 - 20 - 25	15 - 18	12	6
	400 - ASG2			195		20 - 25	20 - 25	20 - 25	15	10
	400 - ASG3			260		-	-	-	20	15
	500 - ASG4	202	540	130	250	20 - 25	20 - 25	20 - 25	20	12
	500 - ASG5			195		-	-	-	20 - 25	18
	500 - ASG6			260		-	-	-	25	25
	500 - ASG7	203	540	130	335	20 - 35	20 - 35	20 - 35	20	12
	500 - ASG8			195		35	35	35	20 - 30	18
	500 - ASG9			260		35	35	35	35	25

(\*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
ORION RD	400 - O1	205	434	130	250	40	25	20	10	6
	400 - O2			195		50	40	30	15	10
	400 - O3			260		60	50	40	20	15
	500 - O4	206	540	130	250	60	50	40	20	13
	500 - O5			195		-	-	-	30	18
	500 - O6			260		-	-	-	40	30

(\*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
ORION PESANTE HEAVY DUTY	PESANTE - OP1	208	434	260	250	60	50	40	20	15
	PESANTE - OP2		540	195		130	85	65	30	18
	PESANTE - OP3			260		180	115	90	40	30

(\*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
ORION EASY	EASY - OE1	209	434	400	260	150	100	80	42	25
	EASY - OE2		540	400	335	200	140	100	50	35

(\*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
<b>SIRIO COMPACT</b>	<b>400 - SC1</b>	211	434	130	250	40	25	18	12	8

(\*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
<b>SIRIO</b>	<b>400 - S1</b>	212	434	130	250	40	25	18	12	8
	<b>400 - S2</b>			195		50	40	30	18	12
	<b>400 - S3</b>			260		60	50	40	20	15
	<b>500 - S4</b>	213	540	130	250	80	60	45	22	12
	<b>500 - S5</b>			195		120	90	70	35	18
	<b>500 - S6</b>			260		180	115	90	-	-

(\*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *						
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"	Ø 1" 1/4"	Ø 1" 1/2"
<b>GEMINI</b>	<b>500 - G1</b>	215	540	195	250	130	85	65	30	18	-	-
	<b>500 - G2</b>			260		180	115	90	40	25	-	-
	<b>600 - G3</b>		600	260	335	200	150	110	55	32	22	15

(\*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *			
						Ø 3/4"	Ø 1"	Ø 1" 1/4"	Ø 1" 1/2"
<b>TITANO</b>	<b>SPRING - T1</b>	216	600	400	335	35	35	18	12

(\*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *						
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"	Ø 1" 1/4"	Ø 1" 1/2"
<b>TITANO HEAVY DUTY</b>	<b>MOTOR DRIVEN - T2</b>	218	540	400	250	280	180	130	80	40	-	-
	<b>MOTOR DRIVEN - T3</b>				335	200	140	100	55	30	20	15
	<b>MOTOR DRIVEN - T4</b>	219	680	400	250	-	-	-	130	75	-	-
	<b>MOTOR DRIVEN - T5</b>				335	-	-	-	100	65	50	30
	<b>MOTOR DRIVEN - T6</b>			600		-	-	-	180	90	75	50

(\*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

Automatic rewind, spring-driven hose reel, **standard series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 20 m length (Ø hose 1/2") or max 25 m length (Ø hose 3/8").

The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts.

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water. Please see catalogue pages 172 and 173 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 37115/HB)



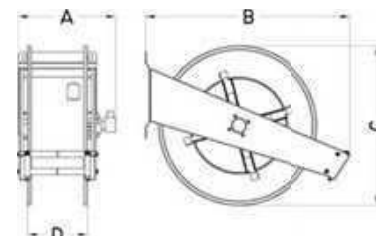
Art.no. **39535**  
Art.no. **39502**



Art.no. **39600**  
Art.no. **39601**



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU - group II - category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>37115</b>	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	39535	9951	215x570x430	120 mm	14 Kg
<b>37120</b>					1/2"	20 m	39502		245x570x430	150 mm	18 Kg
<b>37125</b>					3/8"	25 m	39502				19 Kg
<b>38200</b>	Stainless steel AISI 304	200 bar			1/2"	15 m	39600	9968	215x570x430	120 mm	14 Kg
<b>38210</b>					3/8"	25 m	39601		245x570x430	150 mm	19 Kg
<b>38300</b>					1/2"	20 m	39601				18 Kg



Automatic rewind, spring-driven hose reel, **enclosed series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 20 m length (Ø hose 1/2") or max 25 m length (Ø hose 3/8"). The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts. The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Please see catalogue pages 172 and 173 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 35300/HB)

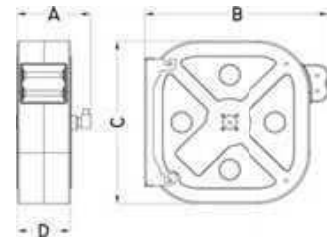
**Please note: the spring brake kit is available only for art.nos. 35300-38310.**



Art.no. **39507**



Art.no. **39508**



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>35300</b>	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	39507	9951	215x530x470	120 mm	26 Kg
<b>35400</b>		600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m					27 Kg
<b>35300B</b>		100 bar	1" (M) - 3/4" (F)	20 mm	3/4"	8 m		9970	245x530x470	150 mm	26 Kg
<b>35600</b>		600 bar	1/2" (M) - 1/2" (F)	10 mm	3/8"	25 m		9951			29 Kg
<b>38330</b>	Stainless steel AISI 304	100 bar	1" (M) - 3/4" (F)	20 mm	3/4"	8 m	39508	9970	245x530x470	150 mm	26 Kg
<b>38310</b>		200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m		9968	215x530x470	120 mm	26 Kg
<b>38320</b>		200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m					27 Kg
<b>38340</b>		200 bar	1/2" (M) - 1/2" (F)	10 mm	3/8"	25 m			245x530x470	150 mm	29 Kg

Automatic rewind, spring-driven hose reel, **adjustable arms series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 25 m length and max diameter of 1/2". The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts .

Please see catalogue pages 172 and 173 for the selection of the required hoses.

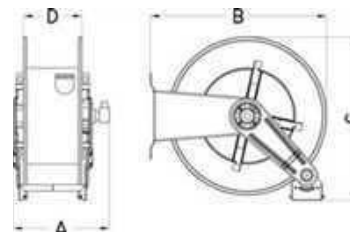
On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 37114/HB)



Art.no. **39535**  
Art.no. **39502**



Art.no. **39600**  
Art.no. **39601**



  
On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/8" - 1/2"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>37115B</b>	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	39535	9951	240x560x450	120 mm	12 kg
<b>37114</b>						20 m -15 m					15 kg
<b>37120B</b>						25 m -20 m	39502		270x560x450	150 mm	16 kg
<b>37125B</b>						25 m			303x560x450	200 mm	19 kg
<b>37118</b> <b>37130</b>	Stainless steel AISI 304	200 bar				15 m	39600	9968	240x560x450	120 mm	12 kg
<b>37157</b>						20 m -15 m					15 kg
<b>37119</b> <b>37140</b>						25 m -20 m	39601		270x560x450	150 mm	16 kg
<b>37153</b>						25 m			303x560x450	200 mm	19 kg

Automatic rewind, spring-driven hose reel, **adjustable arms series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 40 m length (ø hose max. 1/2").

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water. The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts.

Please see catalogue pages 172 and 173 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36470/HB)



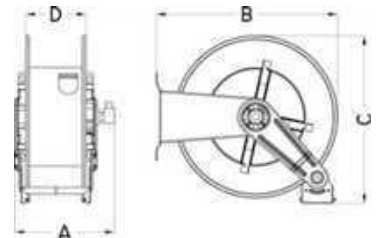
Art.no. 39505



Art.no. 39605



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>36471</b>	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	30 m	39505	9951	370x590x600	150 mm	25 kg
<b>36470</b>						35 m					26 kg
<b>36472</b>						40 m					30 kg
<b>37158</b>	Stainless steel AISI 304	200 bar				30 m	39605	9968			25 kg
<b>37142</b>						35 m					26 kg
<b>37159</b>						40 m					30 kg

Automatic rewind, spring-driven hose reel, **adjustable arms series with twin spring**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 60 m (Ø hose max. 1/2").

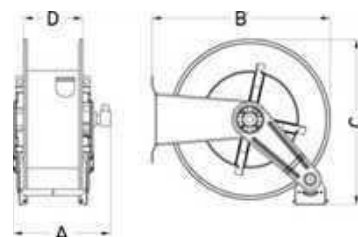
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 172 and 173 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36480/HB)



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>36480</b>	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	60 m	9951	650x650x600	400 mm	50 Kg
<b>37147</b>	Stainless steel AISI 304	200 bar					9968			

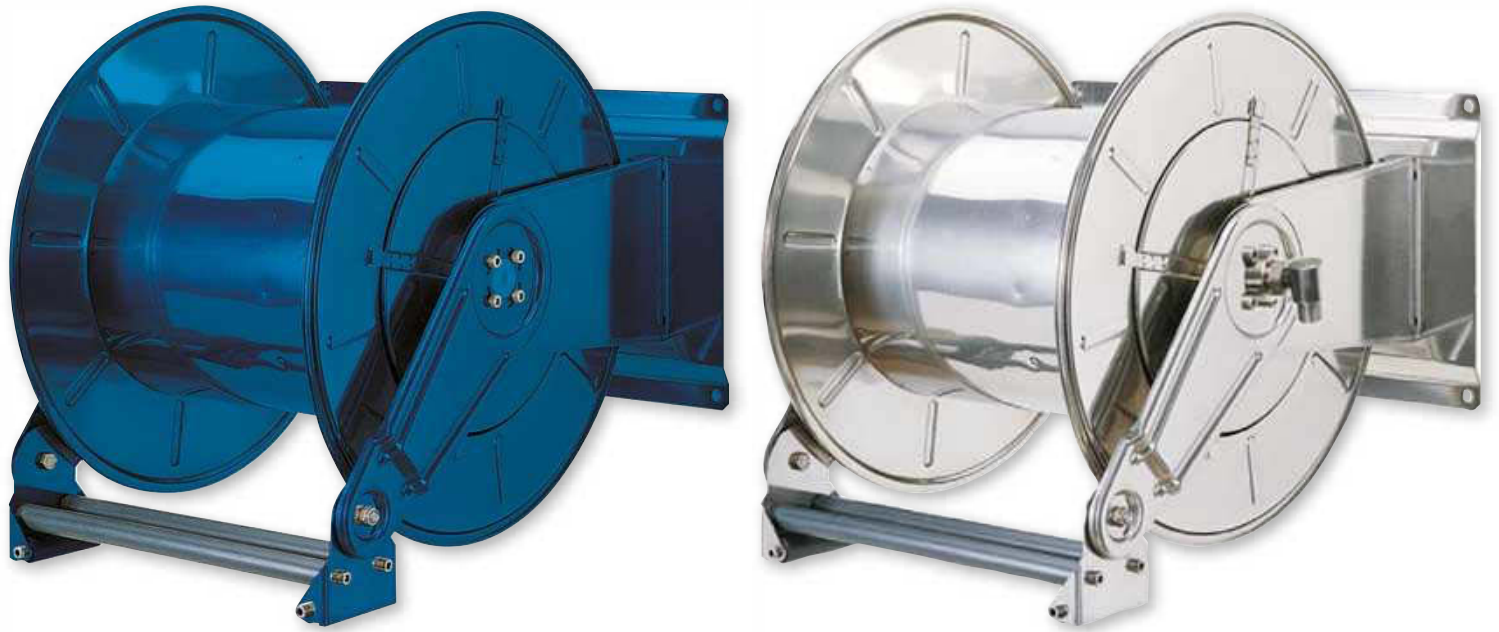


Automatic rewind, spring-driven hose reel, **adjustable arms series with triple spring**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 100 m (Ø hose max. 1/2").

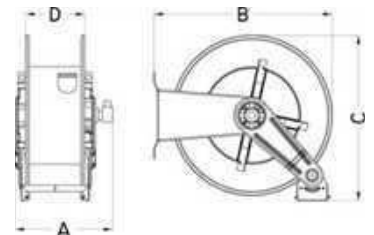
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 172 and 173 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36481/HB)



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>36481</b>	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	100 m	9951	650x650x590	400 mm	70 Kg
<b>36482</b>	Stainless steel AISI 304	200 bar					9968			

Automatic rewind, spring-driven hose reel, **adjustable arms series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 18 m length (Ø hose 3/4") or max. 15 m length (Ø hose 1").

The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts .

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water.

Please see catalogue pages 172 and 173 for the selection of the required hoses.

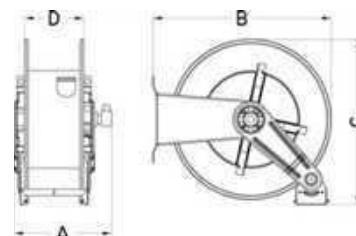
On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36200B/HB)



Art.no. **39502**  
Art.no. **39500**



Art.no. **39602**  
Art.no. **39601**



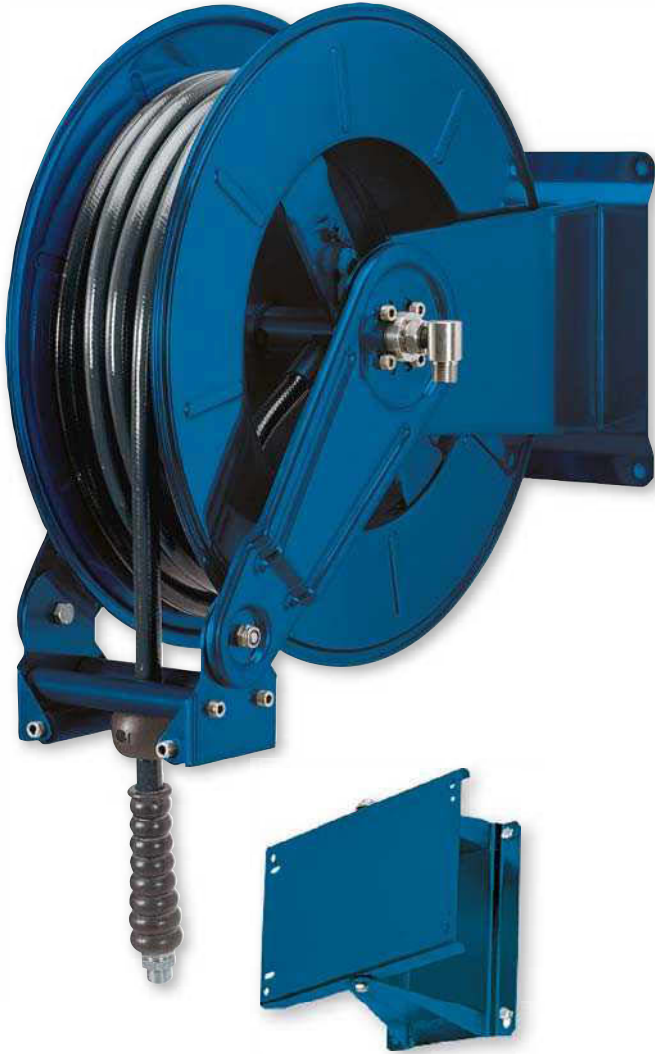
Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>36200B</b>	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	1"	10 m – 8 m	39502	9970	270x500x490	150 mm	14 kg
<b>36215</b>						15 m -12 m			305x490x490	200 mm	22 kg
<b>36800</b>						18 m -15 m	39500		505x530x500	300 mm	24 kg
<b>37150</b>	Stainless steel AISI 304					10 m - 8 m	39601		270x500x490	150 mm	14 kg
<b>37155</b>						15 m -12 m			305x490x490	200 mm	22 kg
<b>37160</b>						18 m -15 m	39602		505x530x500	300 mm	24 kg

Automatic rewind, spring-driven hose reel, **adjustable arms series with twin spring**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 30 m length ( $\varnothing$  hose 3/4") or max. 20 m length ( $\varnothing$  hose 1").

The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts .

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water.

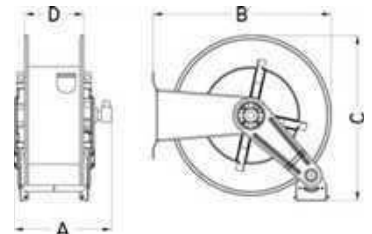
Please see catalogue pages 172 and 173 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36425/HB)



Art.no. **39505**  
Art.no. **39500**



Art.no. **39605**  
Art.no. **39602**



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>36475</b>	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	1"	20 m - 15 m	39505	9970	270x600x590	150 mm	27 kg
<b>36473</b>						25 m - 18 m			370x640x600	200 mm	30 kg
<b>36425</b>						30 m - 20 m	39500		450x540x600	300 mm	38 kg
<b>37143</b>	Stainless steel AISI 304					20 m - 15 m	39605		270x600x590	150 mm	27 kg
<b>37161</b>						25 m - 18 m			370x640x600	200 mm	30 kg
<b>37162</b>						30 m - 20 m	39602		450x540x600	300 mm	38 kg

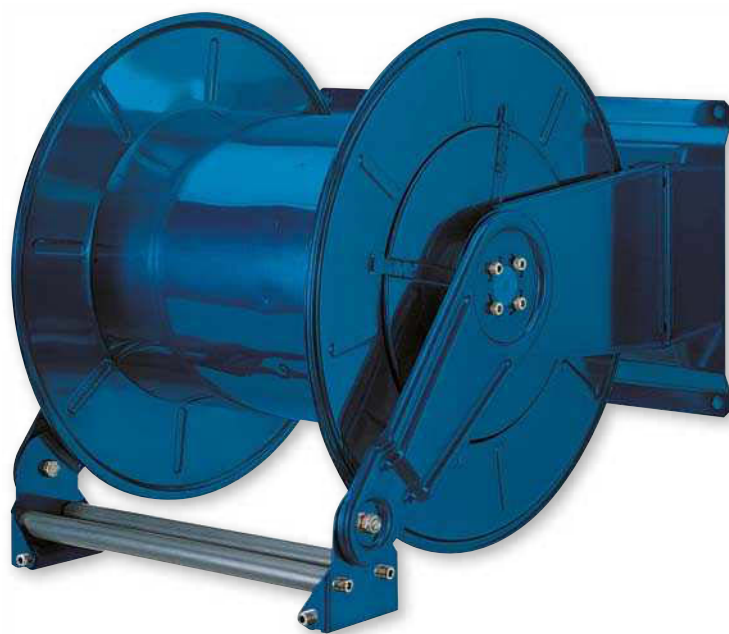


Automatic rewind, spring-driven hose reel, **adjustable arms series with twin spring**, in painted steel or in stainless steel AISI 304, suitable for applications with high delivery rates and for hoses of max 50 m length ( $\varnothing$  hose 3/4") or max. 30 m length ( $\varnothing$  hose 1").

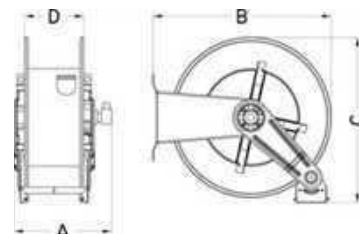
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Please see catalogue pages 172 and 173 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36485/HB)



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>36485</b>	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	3/4"	40 m	9970	650x650x590	400 mm	50 kg
<b>36483</b>						50 m				52 kg
<b>36484</b>					1"	30 m				50 kg
<b>37148</b>	Stainless steel AISI 304				3/4"	40 m				50 kg
<b>37156</b>						50 m				52 kg
<b>37163</b>					1"	30 m				50 kg



Automatic rewind, spring-driven hose reel, **adjustable arms series**, in painted steel or in stainless steel AISI 304, suitable for applications with high delivery rates and for hoses of max 20 m length (Ø hose 1 1/4") or max. 15 m length (Ø hose 1 1/2").

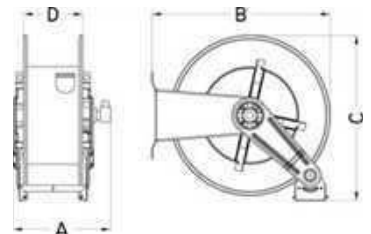
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version galvanized steel, available **on demand also in stainless steel AISI 304 or AISI 316**).

Please see catalogue pages 172 and -173 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"HB"** to the article number (f. ex. 36217/HB)



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU – group II – category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>36217</b>	Painted steel	20 bar	1 1/4" (M)	25 mm	1 1/4"	8 m	9980	430x500x490	200 mm	18 kg
<b>36445</b>			1 1/4" (M)			20 m		590x670x670	400 mm	49 kg
<b>36213</b>			1 1/4" (M) 1 1/2" (M)	32 mm	1 1/2"	15 m	9849	590x670x670	400 mm	50 kg
<b>36218</b>	Stainless steel AISI 304		1 1/4" (M)	25 mm	1 1/4"	8 m	9946	430x500x490	200 mm	18 kg
<b>36212</b>			1 1/4" (M)			20 m		590x670x670	400 mm	49 kg
<b>37151</b>			1 1/4" (M) 1 1/2" (M)	32 mm	1 1/2"	15 m	9945	590x670x670	400 mm	50 kg

Automatic rewind, spring-driven hose reel, **heavy duty series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 40 m length (ø hose 1/2").

The art.n. 37145 is equipped with a twin spring for a convenient hose rewind.

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water at low pressure. Please see catalogue pages 172 and 173 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36300/HB)



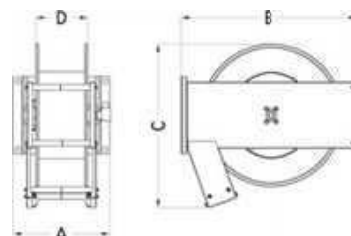
Art.no. **39502**  
Art.no. **39505**



Art.no. **39602**  
Art.no. **39601**  
Art.no. **39600**  
Art.no. **39605**



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU-group II – category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight
<b>36150</b>	Painted steel	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	20 m	39502	9951	295x530x500	150 mm	21 Kg
<b>36300</b>				12 mm		25 m	39505		387x530x500	250 mm	36 Kg
<b>38350</b>	Stainless steel AISI 304	200 bar		10 mm		15 m	39600	9968	243x530x500	120 mm	21 Kg
<b>38400</b>						20 m	39601		295x530x500	150 mm	21 Kg
<b>37141</b>				12 mm		25 m	39605		387x530x500	250 mm	26 Kg
<b>37145</b>						40 m	39602		445x530x500	300 mm	36 Kg

Automatic rewind, spring-driven hose reel, **heavy duty series**, in painted steel or in stainless steel AISI 304, suitable for hoses of max 25 m length. The art.no. 36400 is equipped with a twin spring for a convenient hose rewind. The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water at low pressure. Please see catalogue pages 172 and 173 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit**; please add suffix **"/HB"** to the article number (f. ex. 36100/HB)



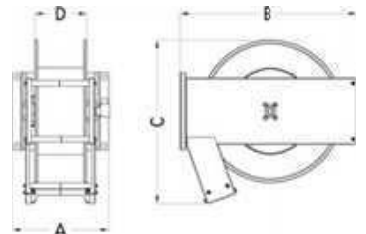
Art.no. **39502**  
 Art.no. **39500**



Art.no. **39602**  
 Art.no. **39601**  
 Art.no. **39608**



On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU - group II - category 2.



Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (D)	Weight				
<b>36200</b>	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	1"	12 m - 8 m	39502	9970	295x530x500	150 mm	21 Kg				
<b>36100</b>						18 m - 15 m	39500		440x530x500	300 mm	24 Kg				
<b>36400</b>						25 m	-		500x530x540	400 mm	36 Kg				
<b>38360</b>	Stainless steel AISI 304					12 m - 8 m	39601		295x530x500	150 mm	21 Kg				
<b>38361</b>						18 m - 15 m	39602		440x530x500	300 mm	24 Kg				
<b>37146</b>						25 m	39608		500x530x540	400 mm	36 Kg				

LS series Ø max 1/2" up to 50 m length and Ø 1" up to 20 m length

Art.no. **38150 - 38160 - 38155 - 38165**

Manual, hand crank hose reel, **LS series**, in painted steel, suitable for hoses of max 50 m length in 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 172 and 173 for the selection of the required hoses.



Art.no. **39535**  
Art.no. **39502**

Art.no. **38180**

Manual, hand crank hose reel, **LS series**, in painted steel, suitable for hoses of max 12 m length in 1" or max 15 m length in 3/4".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water at low pressure.

Please see catalogue pages 172 and 173 for the selection of the required hoses.



Art.no. **39604**

Art.no. **38190**

Manual, hand crank hose reel, **LS series**, in painted steel, suitable for hoses of max 20 m length in 1" or max 25 m length in 3/4".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water at low pressure.

Please see catalogue pages 172 and 173 for the selection of the required hoses.



Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 1/4" - 3/8" - 1/2"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
<b>38150</b>	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	25 m - 20 m - 15 m	120 mm	39535	9951	8 kg	280 x 530 x 480
<b>38160</b>					50 m - 35 m - 25 m	150 mm	39502		9 kg	
<b>38155</b>					70 m - 50 m - 35 m	200 mm	39604		12 kg	
<b>38165</b>					100 m - 70 m - 50 m	400 mm	-		15 kg	

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
<b>38180</b>	100 bar	1" (M) - 1" (M)	20 mm	1"	15 m - 12 m	200 mm	39604	9970	12 kg	320 x 530 x 480
<b>38190</b>					25 m - 20 m	400 mm	-		15 kg	480 x 530 x 480



LSX series Ø max 1/2" up to 50 m length and Ø 1" up to 20 m length

Art.no. **38100 - 38115 - 38110 - 38130**

Manual, hand crank hose reel, **LSX series**, in stainless steel AISI 304, suitable for hoses of max. 50 m length in 1/2".

The hose reel is supplied without hoses and is recommended for the use with water at high and low pressure and with water-based fluids.

Please see catalogue pages 172 and 173 for the selection of the required hoses.



Art.no. **39600**  
Art.no. **39601**

Art.no. **38120**

Manual, hand crank hose reel, **LSX series**, in stainless steel AISI 304, suitable for hoses of max. 12 m length in 1" or max. 15 m length in 3/4".

The hose reel is supplied without hoses and is recommended for the use with water at medium and low pressure and with water-based fluids.

Please see catalogue pages 172 and 173 for the selection of the required hoses.



Art.no. **39601**

Art.no. **39140**

Manual, hand crank hose reel, **LSX series**, in stainless steel AISI 304, suitable for hoses of max. 20 m length in 1" or max. 25 m length in 3/4".

The hose reel is supplied without hoses and is recommended for the use with water at medium and low pressure and with water-based fluids.

Please see catalogue pages 172 and 173 for the selection of the required hoses.



Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 1/4" - 3/8" - 1/2"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
<b>38100</b>	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	25 m - 20 m - 15 m	120 mm	39600	9968	8 kg	280 x 530 x 480
<b>38115</b>					50 m - 35 m - 25 m	150 mm	39601		9 kg	
<b>38110</b>					70 m - 50 m - 35 m	200 mm	39601		12 kg	320 x 530 x 480
<b>38130</b>					100 m - 70 m - 50 m	400 mm	-		15 kg	

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
<b>38120</b>	100 bar	1" (M) - 1" (M)	20 mm	1"	15 m - 12 m	200 mm	39601	9970	12 kg	320 x 530 x 480
<b>39140</b>					25 m - 20 m	400 mm	-		15 kg	480 x 530 x 480



Art.no. **36271**  
Art.no. **36272**

LS series, automatic rewind, spring-driven hose reel, in black painted steel, suitable for hoses of max 20m length with diam. <1/2".  
Reels are supplied as standard without the hose and are compatible with hoses for oil, antifreeze, grease, compressed air and water at low and high pressure.  
Please see catalogue pages 172 and 173 for the selection of the required hoses.



Art.no. **39535**



Art.no. **39502**

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Spool width	Weight	Included swivel joint	Dimensions (LxWxH) (mm)
<b>36271</b>	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	120 mm	12 kg	39535	280x490x480
<b>36272</b>					20 m	150 mm	14 kg	39502	300x490x480

Art.no. **36270**

LS series, automatic rewind, spring-driven hose reel, in black painted steel, suitable for hoses of max 8m length with diam. <1".  
Reels are supplied as standard without the hose and are compatible with hoses for oil, antifreeze, grease, compressed air and water at low and high pressure.  
Please see catalogue pages 172 and 173 for the selection of the required hoses.



Art.no. **39502**

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Spool width	Weight	Included swivel joint	Dimensions (LxWxH) (mm)
<b>36270</b>	100 bar	1" (M) - 1 (M)	20 mm	1"	8 m	150 mm	14 kg	39502	300x490x480



Art. no. **35810** - Art. no. **35815**

Art. no. **35820**

Art. no. **35812**

Automatic rewind, spring-driven hose reel, with plastic enclosure (made of nylon and polypropylene) and pivoting wall bracket, suitable for the use with compressed air and water at low pressure (temperature range: -10°C – +60°C) complete with polyurethane hose.

Inlet connection air: 1/4" BSP.

Max working pressure: 20 bar.

The **standard colour** of the enclosure is red with yellow cover. Also available in blue with red cover, in dark grey, in yellow with red cover or white with white cover (see photos above).

Art. no.	Hose length	Hose diameter	Connection threads	Max working pressure	Weight	Dimensions (LxWxH) (mm)
<b>35810</b>	10 m	8 x 12 mm	M 1/4" BSP	20 bar	8.1 Kg	220x310x380
<b>35815</b>	15 m				8.2 Kg	
<b>35820</b>	20 m				8.4 Kg	
<b>35812</b>	10 m	10 x 14 mm	M 3/8" BSP		8.2 Kg	

Art.no. **39400**

Automatic rewind, spring-driven hose reel, in painted steel, provided for the installation of max 10 m – twin hose in 1/2", with hose inlet connection fittings.

The hose reel is supplied without hoses and can be used with twin hoses (blue - red) for welding gases oxygen and acetylene in SBR/EPDM according to norm EN 559:1994.



Art.no. **39410**

Automatic rewind, spring-driven hose reel, in stainless steel AISI 304, provided for the installation of max 10 m – twin hose in 1/2", with hose inlet connection fittings.

The hose reel is supplied without hoses and can be used with twin hoses (blue - red) for welding gases oxygen and acetylene in SBR/EPDM according to norm EN 559:1994.



Art.no. **39410**  
Version with stainless steel body

Art.no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Max length hose	Max operating temperature	Weight	Dimensions (LxWxH) (mm)
<b>39400</b>	Painted steel	200 bar	1/2" BSP (M-F)	10 m	90°C	18 kg	280x610x640
<b>39410</b>	Stainless steel AISI 304						

Art.no. **39420**

Automatic rewind, spring-driven hose reel, in painted steel, with 20 m – twin hose (blue - red) in 5/16" - 2 x 8 mm for welding gases oxygen and acetylene (in SBR/EPDM according to norm EN 559:1994 max 20 bar - 90°C), hose inlet connection fittings, shaft and swivel joint in brass; suitable to connect welding equipment.

On demand also available in stainless steel AISI 304.



Art.no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Max length hose	Spool width	Weight	Dimensions (LxWxH) (mm)
<b>39420</b>	Painted steel	20 bar	3/8" BSP (F-F)	20 m	150 mm	32 kg	280x610x640



# NEW HORIZONS OF THE DIGITAL TRANSITION

The range of hose reels is enriched by a new modular generation that can be managed intelligently with smart solutions.

These new hose reels combined with the OMPi electronic monitoring systems fall **within the regulation related to process control systems.**

Hose Reels



## MANUAL AND SPRING DRIVEN

	01	02	03	04	05	06	07	08
<b>Model</b>	—	—	—	—	—	—	—	—
ANDROMEDA	A							
ANDROMEDA SG	ASG							
ORION RD	O							
ORION SG	OSG							
ORION HEAVY DUTY	OP							
ORION HEAVY DUTY SG	OPSG							
ORION EASY	OE							
TITANO HEAVY DUTY WITH REINFORCED SPRING	T							
<b>Material</b>								
Painted steel	F							
Stainless steel	X							
<b>Disc diameter</b>								
Ø 434 mm	4							
Ø 540 mm	5							
Ø 600 mm	6							
<b>Drum diameter</b>								
Ø 250 mm	2							
Ø 335 mm	3							
<b>Spool width</b>								
130 mm	13							
195 mm	19							
260 mm	26							
400 mm	40							
<b>Spring</b>								
15	15 m							
20	20 m							
25	25 m							
25H50	25 m H50							
35	35 m							
--	MANUAL DRIVEN							
<b>Suitable for</b>								
0	1/4" - 3/8" - 1/2"							
1	3/4" - 1"							
2	1 1/4"							
3	1 1/2"							
<b>Special models</b>								
BP	LONG GAP MODEL SUITABLE FOR LOW PRESSURE HOSES							
MR	HANDLES AND WHEELS FOR ORION HEAVY DUTY							
IR	HORIZONTAL HANDLE AND WHEELS FOR ORION HEAVY DUTY							
HBA	HYDRAULIC BRAKE							

### EXAMPLE OF SPRING DRIVEN REEL CODE:

AX5326351: Andromeda hose reel (A) made of stainless steel (X) Ø 540 disc (5), Ø 335 drum (3), 260 mm spool width (26), 35 m spring (35) and suitable for 3/4"-1" hoses (1).

### EXAMPLE OF MANUAL DRIVEN REEL CODE:

OPF52190IR : Orion Heavy duty hose reel (OP) made of painted steel (F) Ø 540 disc (5), Ø 260 drum (2), 195 mm spool width (19), suitable for 1/4"-3/8" - 1/2" hoses (0) with wheels and horizontal handle (IR).

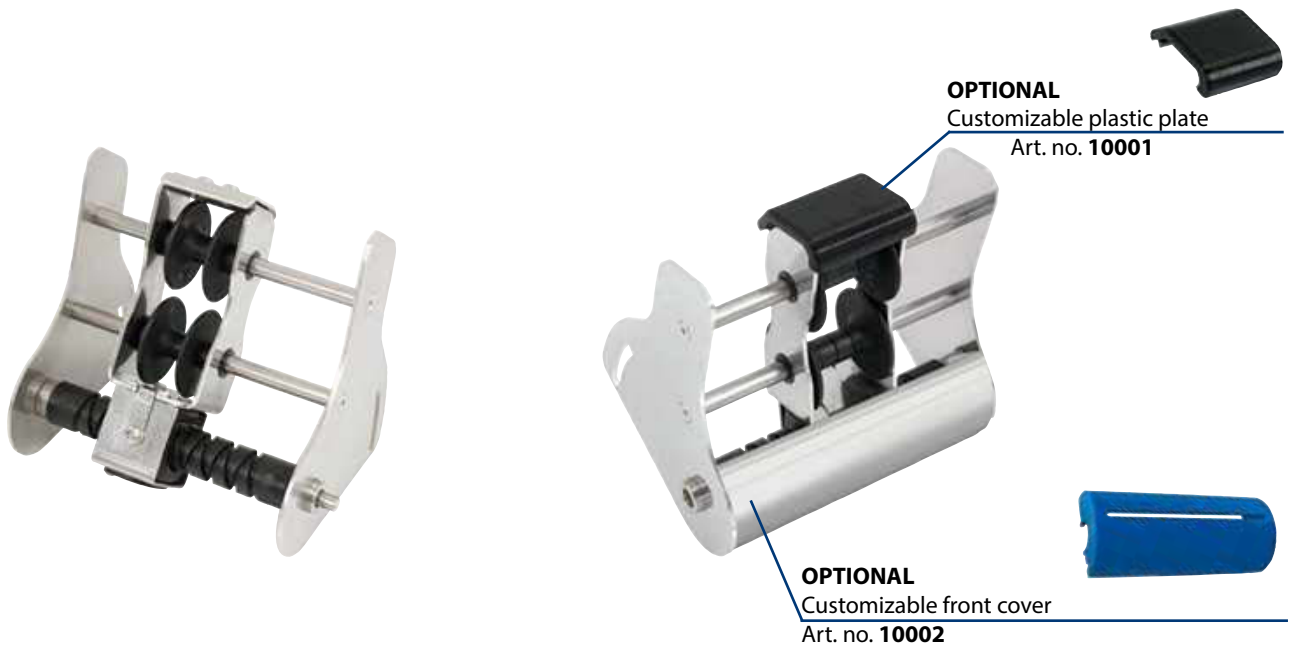
## MOTOR DRIVEN HOSE REELS

	01	02	03	04	05	06	07	08
<b>Model</b>	—	—	—	—	—	—	—	—
SIRIO	S							
SIRIO V BRUSHLESS	SV							
SIRIO COMPACT	SC							
GEMINI	G							
TITANO	T							
<b>Material</b>								
Painted steel	F							
Stainless steel	X							
<b>Power supply voltage</b>								
12VDC	12							
24VDC	24							
230VDC	23							
PNEUMATIC	PN							
WITHOUT POWER SUPPLY	SGA							
<b>Disc diameter</b>								
Ø 434 mm	4							
Ø 540 mm	5							
Ø 600 mm	6							
<b>Drum diameter</b>								
2	Ø 250 mm							
3	Ø 335 mm							
<b>Spool width</b>								
13	130 mm							
19	195 mm							
26	260 mm							
40	400 mm							
60	600 mm							
<b>Suitable for</b>								
0	1/4" - 3/8" - 1/2"							
1	3/4" - 1"							
2	1 1/4"							
3	1 1/2"							
<b>Special models</b>								
ID	SIRIO hydraulic version							

### EXAMPLE OF MOTOR DRIVEN REEL CODE:

SF2442130: SIRIO hose reel (S) made of painted steel (F), with 24VDC power supply (24), Ø 434 disc (4), Ø 260 drum (2), 130 mm spool width (13) and suitable for 1/4" - 3/8" - 1/2" hoses (0).

OMPI presents **NOVATG**<sup>®</sup>, the hose guide for the orderly rewinding of the hose on the reel drum.



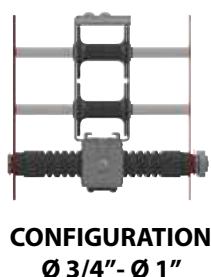
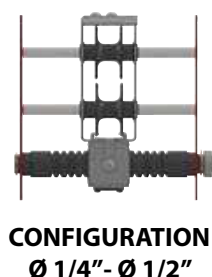
Hose Reels



- Optimization of spaces during hose rewinding which assures a longer service life.
- Can also be assembled later on the new predisposed ANDROMEDA and ORION models (SG).
- Protects the operator in case of accidental releases.
- A single hose guide model for all hose diameters from Ø 1/4" to Ø 1".
- As standard it is supplied in AISI 304 stainless steel, on request in AISI 316.



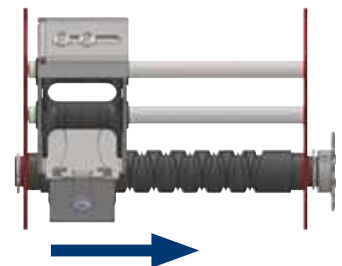
The hose guide is driven by a belt transmission (for ANDROMEDA models) or a chain transmission (for ORION, SIRIO, TITANO, GEMINI models) which allows for easy sliding, guiding the retraction of the hose.



To position the hose, simply unfasten the screws (A) to configure the hose guide to accommodate 1/4" - 1/2" hoses or 3/4" - 1" hoses.




For positioning the hose guide just unfasten the screw (B) to release the front panel from the constraint of threaded pin and rotate the mother bolt in the desired position.

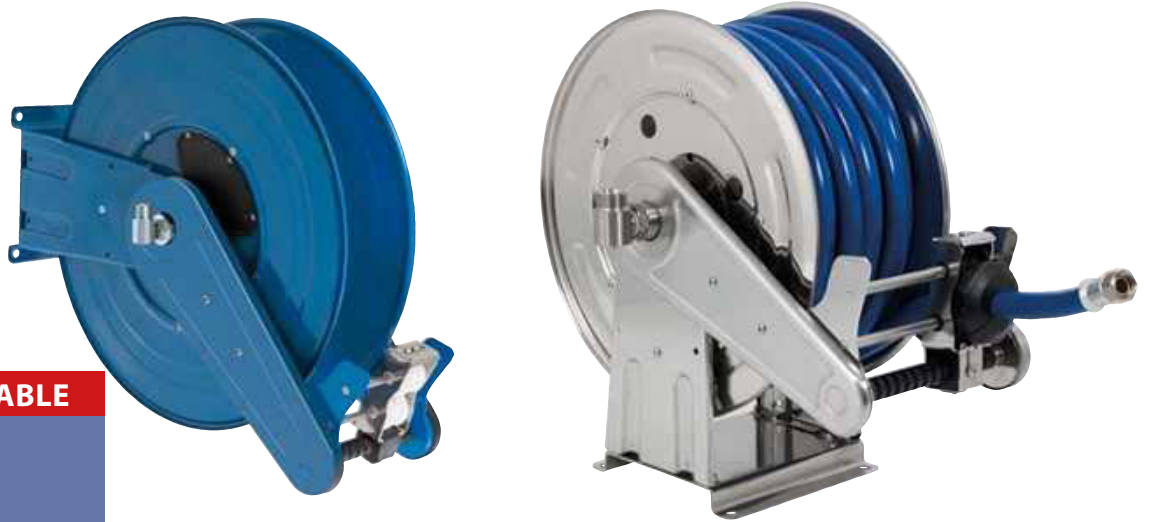


The hose guide is supplied in the above position and already configured to follow the correct direction on first use.



The new **ANDROMEDA** hose reel line has been designed focussing on improving the technical aspects of our previous models. The completely renewed modular design allows for vast choice of models and **adds the NOVA<sup>®</sup> automatic hose guide** that allows for the orderly rewinding of the hose.

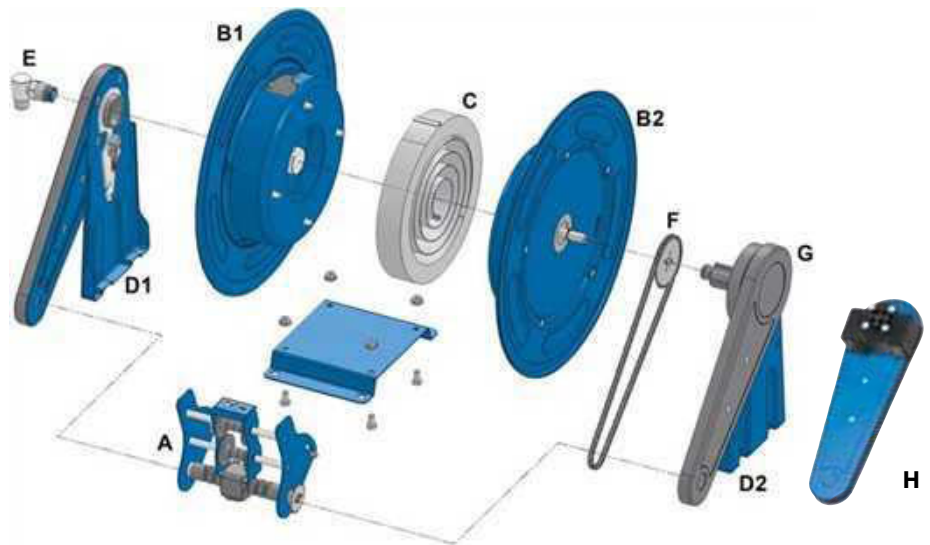
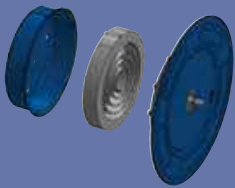
It can also be integrated later with the hydraulic **HBA**  brake kit inserted directly on the guide arm (see image C below), which safely controls the reel rewind speed.



## 3 VERSIONS AVAILABLE

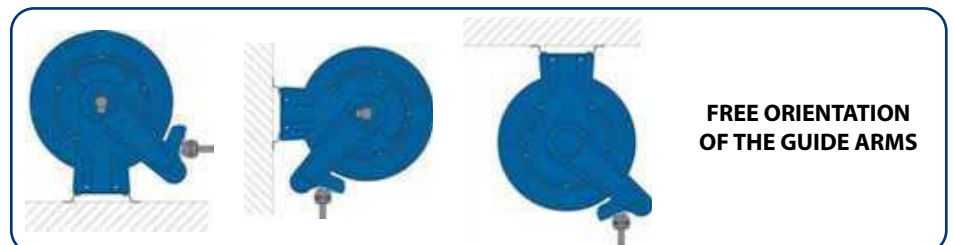
- Painted steel;
- Aisi 304;
- Aisi 316

**Greater security for the operator thanks to location of the spring "C" within the group disc/drum "B2"**



## LEGEND

- A **NOVA<sup>®</sup>** hose guide
- B1 Hose exit side disc/drum assembly
- B2 Spring side disc/drum assembly
- C Spring
- D1 Swivel side base arm
- D2 Spring side base arm
- E Swivel joint
- F Drive
- G Guide arm cover
- H HBA hydraulic brake



## HYDRAULIC BRAKE KIT HBA REWIND CONTROL



### OPTIONAL

#### HBA Spring brake hydraulic kit / PATENTED

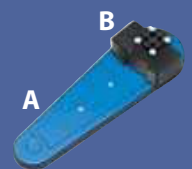
Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.

**Patent no. 0001426967**





### (C) BRAKE KIT COMPOSITION




- A Guide arm cover
- B HBA Hydraulic brake





## 400 SERIES - A1 Ø Disc 434 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint *
<b>PAINTED STEEL</b>	<b>AF4213150</b>	600 bar **	1/2"(M)-1/2"(F)	15m	1/4"- 3/8"-1/2"	15		9951
	<b>AF4213200</b>			20m	1/4"- 3/8" 1/2"	20		
	<b>AF4213250</b>			25m	1/4"- 3/8"	25		
	<b>AF4213151</b>	100 bar	1"(M)-3/4"(F)	15m	3/4" 1"	12 6		9970
<b>AISI 304 STAINLESS STEEL</b>	<b>AX4213150</b>	200 bar **	1/2"(M)-1/2"(F)	15m	1/4"- 3/8"-1/2"	15		9968
	<b>AX4213200</b>			20m	1/4"- 3/8" 1/2"	20		
	<b>AX4213250</b>			25m	1/4"- 3/8"	25		
	<b>AX4213151</b>	100 bar	1"(M)-3/4"(F)	15m	3/4" 1"	12 6		9970

## 400 SERIES - A2 Ø Disc 434 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint *
<b>PAINTED STEEL</b>	<b>AF4219200</b>	600 bar **	1/2"(M)-1/2"(F)	20m	1/4" - 3/8"-1/2"	20		9951
	<b>AF4219250</b>			25m	1/4" - 3/8"-1/2"	25		
	<b>AF4219151</b>	100 bar	1"(M)-3/4"(F)	15m	3/4" 1"	15 10		9970
<b>AISI 304 STAINLESS STEEL</b>	<b>AX4219200</b>	200 bar **	1/2"(M)-1/2"(F)	20m	1/4" - 3/8"-1/2"	20		9968
	<b>AX4219250</b>			25m	1/4" - 3/8"-1/2"	25		
	<b>AX4219151</b>	100 bar	1"(M)-3/4"(F)	15m	3/4" 1"	15 10		9970

## 400 SERIES - A3 Ø Disc 434 mm - Spool 260 mm - Drum 250 mm

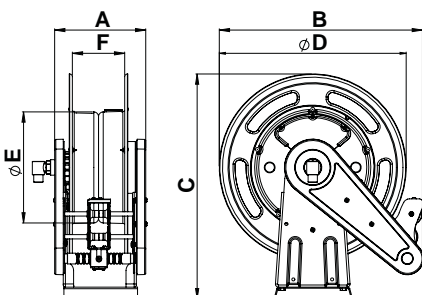
	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint <sup>1)</sup>
<b>PAINTED STEEL</b>	<b>AF4226201</b>	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9970
	<b>AF4226151</b>			15m	1"	15		
<b>AISI 304 STAINLESS STEEL</b>	<b>AX4226201</b>	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9970
	<b>AX4226151</b>			15m	1"	15		

\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton<sup>®</sup> swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING



Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
<b>A1</b>	434	130	250	212x474x522	600x370x620	15
<b>A2</b>	434	195	250	276x474x523	600x370x620	19
<b>A3</b>	434	260	250	339x474x523	560x490x560	21



## 500 SERIES - A4 Ø Disc 540 mm - Spool 130 mm - Drum 250 mm

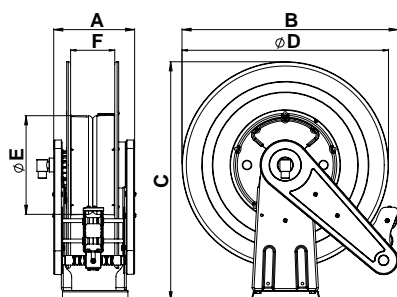
	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF5213200	600 bar **	1/2"(M)-1/2"(F)	20m	1/4"- 3/8"-1/2"	20	39535	9951
	AF5213250			25m		25		
	AF5213201	100 bar	1"(M)-3/4"(F)	20m	3/4" 1"	20 12		9970
AISI 304 STAINLESS STEEL	AX5213200	200 bar **	1/2"(M)-1/2"(F)	20m	1/4"- 3/8"-1/2"	20	39600	9968
	AX5213250			25m		25		
	AX5213201	100 bar	1"(M)-3/4"(F)	20m	3/4" 1"	20 12		9970

## 500 SERIES - A5 Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

PAINTED STEEL								
Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*	
AF521925H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4"	25		9970	
AF5219201			20m	3/4"	20			
				1"	18			
AISI 304 STAINLESS STEEL								
AX521925H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4"	25		9970	
AX5219201			20m	3/4"	20			
				1"	18			

## 500 SERIES - A6 Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF522625H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4" - 1"	25	15002	9970
AISI 304 STAINLESS STEEL	AX522625H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4" - 1"	25	50002	9970

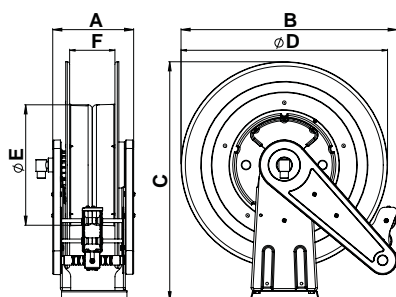


\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton<sup>®</sup> swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
A4	540	130	250	212x565x625	700x370x700	20
A5	540	195	250	281x565x626	700x420x660	22
A6	540	260	250	346x565x626	700x420x660	23



## 500 SERIES - A7 Ø Disc 540 mm - Spool 130 mm - Drum 335 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF5313200	600 bar	1/2"(M)-1/2"(F)	20m	1/4"- 3/8"-1/2"	20	39535	9951
	AF5313350	**		35m	3/4"	35		
	AF5313201	100 bar	1"(M)-3/4"(F)	20m	1"	12	39600	9970
AISI 304 STAINLESS STEEL	AX5313200	200 bar	1/2"(M)-1/2"(F)	20m	1/4"- 3/8"-1/2"	20		9968
	AX5313350	**		35m	3/4"	35		
	AX5313201	100 bar	1"(M)-3/4"(F)	20m	1"	12	50001	9970

## 500 SERIES - A8 Ø Disc 540 mm - Spool 195 mm - Drum 335 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF5319350	600 bar	1/2"(M)-1/2"(F)	35m	1/4"- 3/8"-1/2"	35	15001	9951
	AF5319351	**		20m	3/4"	30		
	AF5319201	100 Bar	1"(M)-3/4"(F)	20m	1"	18	15002	9970
AISI 304 STAINLESS STEEL	AX5319350	200 bar	1/2"(M)-1/2"(F)	35m	1/4"- 3/8"-1/2"	35		9968
	AX5319351	**		20m	3/4"	30		
	AX5319201	100 Bar	1"(M)-3/4"(F)	20m	1"	18	50002	9970

## 500 SERIES - A9 Ø Disc 540 mm - Spool 260 mm - Drum 335 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF5326350	600 bar	1/2"(M)-1/2"(F)	35m	1/4"- 3/8"-1/2"	35	15002	9951
	AF5326351	100 bar		20m	3/4"	25		
	AF5326351	100 bar	1"(M)-3/4"(F)	20m	1"	25	50002	9970
AISI 304 STAINLESS STEEL	AX5326350	200 bar	1/2"(M)-1/2"(F)	35m	1/4"- 3/8"-1/2"	35		9968
	AX5326351	**		20m	3/4"	25		
	AX5326351	100 bar	1"(M)-3/4"(F)	20m	1"	25	50002	9970

\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton<sup>®</sup> swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING

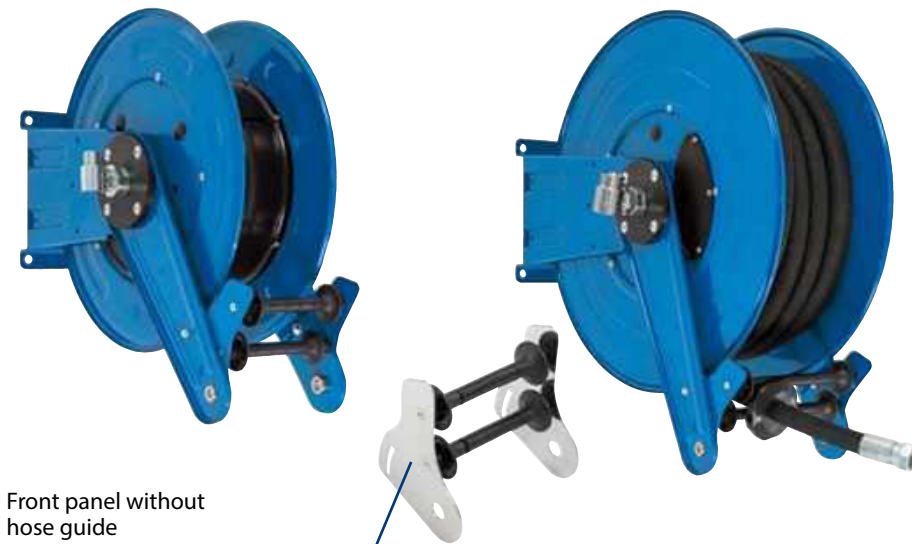
Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
A7	540	130	335	281x565x626	700x420x660	20
A8	540	195	335	281x565x626	700x420x660	22
A9	540	260	335	346x565x626	700x420x660	23



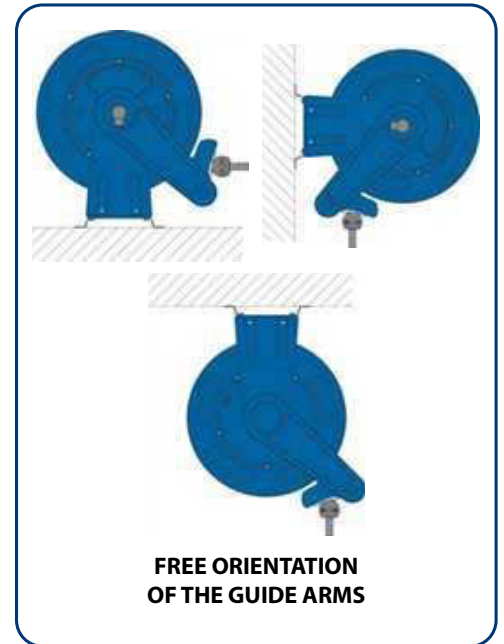
The new **ANDROMEDA** hose reel line is also offered in a **version without hose guide but predisposed** to be equipped with the **NOVA<sup>®</sup>** hose guide kit later.

It can also be integrated later with the hydraulic **HBA** brake kit inserted on the guide arm cover. (see image C below), which safely controls the rewind speed of the reel.

Hose Reels



Front panel without hose guide



## CONVERSION KIT FOR HOSE REEL WITH PREDISPOSITION FOR **NOVA<sup>®</sup>** HOSE GUIDE



Front panel with **NOVA<sup>®</sup>** hose guide.



**NOVA<sup>®</sup>**  
PREDISPOSED REEL



CONVERSION KIT

Kit including hose guide and drive (chain or belt) suitable for the application of **NOVA<sup>®</sup>** hose guide on the predisposed models.

## HYDRAULIC BRAKE KIT HBA REWIND CONTROL



### OPTIONAL

**HBA Spring brake hydraulic kit / PATENTED**  
Safety device for a controlled rewinding of the hose.  
Restrains the hose in case of accidental releases, lowering risks for the operator.  
**Patent no. 0001426967**



(C) BRAKE KIT COMPOSITION

**A** Guide arm cover  
**B** HBA Hydraulic brake









## 400 SERIES - ASG1 Ø Disc 434 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
<b>PAINTED STEEL</b>	ASGF4213150	600 bar **	1/2"(M)-1/2"(F)	15m	1/4"- 3/8"-1/2"	15		9951
	ASGF4213200			20m	1/4"- 3/8" 1/2"	20		
	ASGF4213250			25m	1/4"- 3/8"	25		
	ASGF4213151	100 bar	1"(M)-3/4"(F)	15m	3/4" 1"	12 6		9970
<b>AISI 304 STAINLESS STEEL</b>	ASGX4213150	200 bar **	1/2"(M)-1/2"(F)	15m	1/4"- 3/8"-1/2"	15		9968
	ASGX4213200			20m	1/4"- 3/8" 1/2"	20		
	ASGX4213250			25m	1/4"- 3/8"	25		
	ASGX4213151	100 bar	1"(M)-3/4"(F)	15m	3/4" 1"	12 6		9970

## 400 SERIES - ASG2 Ø Disc 434 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
<b>PAINTED STEEL</b>	ASGF4219200	600 bar **	1/2"(M)-1/2"(F)	20m	1/4" - 3/8"-1/2"	20		9951
	ASGF4219250			25m	1/4" - 3/8"-1/2"	25		
	ASGF4219151	100 bar	1"(M)-3/4"(F)	15m	3/4" 1"	15 10		9970
<b>AISI 304 STAINLESS STEEL</b>	ASGX4219200	200 bar **	1/2"(M)-1/2"(F)	20m	1/4" - 3/8"-1/2"	20		9968
	ASGX4219250			25m	1/4" - 3/8"-1/2"	25		
	ASGX4219151	100 bar	1"(M)-3/4"(F)	15m	3/4" 1"	15 10		9970

## 400 SERIES - ASG3 Ø Disc 434 mm - Spool 260 mm - Drum 250 mm

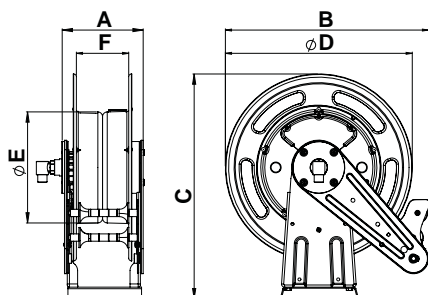
	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
<b>PAINTED STEEL</b>	ASGF4226201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9970
	ASGF4226151			15m	1"	15		
<b>AISI 304 STAINLESS STEEL</b>	ASGX4226201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9970
	ASGX4226151			15m	1"	15		

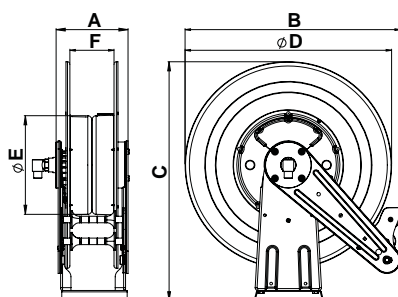
\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton<sup>®</sup> swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
<b>ASG1</b>	434	130	250	212x474x522	600x370x620	15
<b>ASG2</b>	434	195	250	276x474x523	600x370x620	19
<b>ASG3</b>	434	260	250	339x474x523	560x490x560	21









\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).



## 500 SERIES - ASG4 Ø Disc 540 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF5213200	600 bar **	1/2"(M)-1/2"(F)	20m	1/4"- 3/8"-1/2"	20		9951
	ASGF5213250			25m		25		
	ASGF5213201	100 bar	1"(M)-3/4"(F)	20m	3/4" 1"	20 12		9970
AISI 304 STAINLESS STEEL	ASGX5213200	200 bar **	1/2"(M)-1/2"(F)	20m	1/4"- 3/8"-1/2"	20		9968
	ASGX5213250			25m		25		
	ASGX5213201	100 bar	1"(M)-3/4"(F)	20m	3/4" 1"	20 12		9970

## 500 SERIES - ASG5 Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

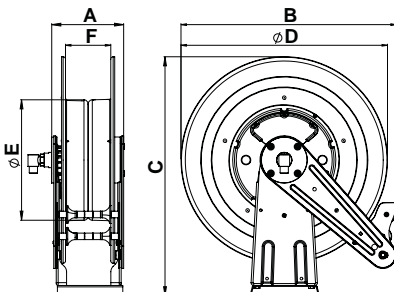
PAINTED STEEL								
	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
	ASGF521925H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4"	25		9970
	20m			3/4"	20			
				1"	18			
AISI 304 STAINLESS STEEL								
	ASGX521925H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4"	25		9970
	20m			3/4"	20			
				1"	18			

## 500 SERIES - ASG6 Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF522625H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4" - 1"	25		9970
AISI 304 STAINLESS STEEL	ASGX522625H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4" - 1"	25		9970

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
ASG4	540	130	250	212x565x625	700x370x700	20
ASG5	540	195	250	281x565x626	700x420x660	22
ASG6	540	260	250	346x565x626	700x420x660	23



## 500 SERIES - ASG7 Ø Disc 540 mm - Spool 130 mm - Drum 335 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF5313200	600 bar	1/2"(M)-1/2"(F)	20m	1/4"- 3/8"-1/2"	20	39535	9951
	ASGF5313350	**		35m	3/4"	35		
	ASGF5313201	100 bar	1"(M)-3/4"(F)	20m	1"	12	39600	9970
AISI 304 STAINLESS STEEL	ASGX5313200	200 bar	1/2"(M)-1/2"(F)	20m	1/4"- 3/8"-1/2"	20		9968
	ASGX5313350	**		35m	3/4"	35		
	ASGX5313201	100 bar	1"(M)-3/4"(F)	20m	1"	12	50001	9970

## 500 SERIES - ASG8 Ø Disc 540 mm - Spool 195 mm - Drum 335 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF5319350	600 bar	1/2"(M)-1/2"(F)	35m	1/4"- 3/8"-1/2"	35	15001	9951
	ASGF5319351	**		20m	3/4"	30		
	ASGF5319201	100 Bar	1"(M)-3/4"(F)	20m	1"	18	50001	9970
AISI 304 STAINLESS STEEL	ASGX5319350	200 bar	1/2"(M)-1/2"(F)	35m	1/4"- 3/8"-1/2"	35		9968
	ASGX5319351	**		20m	3/4"	30		
	ASGX5319201	100 Bar	1"(M)-3/4"(F)	20m	1"	18	50002	9970

## 500 SERIES - ASG9 Ø Disc 540 mm - Spool 260 mm - Drum 335 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF5326350	600 bar	1/2"(M)-1/2"(F)	35m	1/4"- 3/8"-1/2"	35	15002	9951
	ASGF5326351	100 bar		20m	3/4"	25		
	ASGF5326351	100 bar	1"(M)-3/4"(F)	20m	1"	25	50002	9970
AISI 304 STAINLESS STEEL	ASGX5326350	200 bar	1/2"(M)-1/2"(F)	35m	1/4"- 3/8"-1/2"	35		9968
	ASGX5326351	**		20m	3/4"	25		
	ASGX5326351	100 bar	1"(M)-3/4"(F)	20m	1"	25	50002	9970

\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
ASG7	540	130	335	281x565x626	700x420x660	20
ASG8	540	195	335	281x565x626	700x420x660	22
ASG9	540	260	335	346x565x626	700x420x660	23



The **ORION RD** line maintains the same structural characteristics of the ANDROMEDA but in the **MANUAL** version. It includes **HOVA<sup>®</sup>GT** hose guide to allow an orderly rewinding of the hose.



### 3 VERSIONS AVAILABLE

- Painted steel;
- Aisi 304;
- Aisi 316

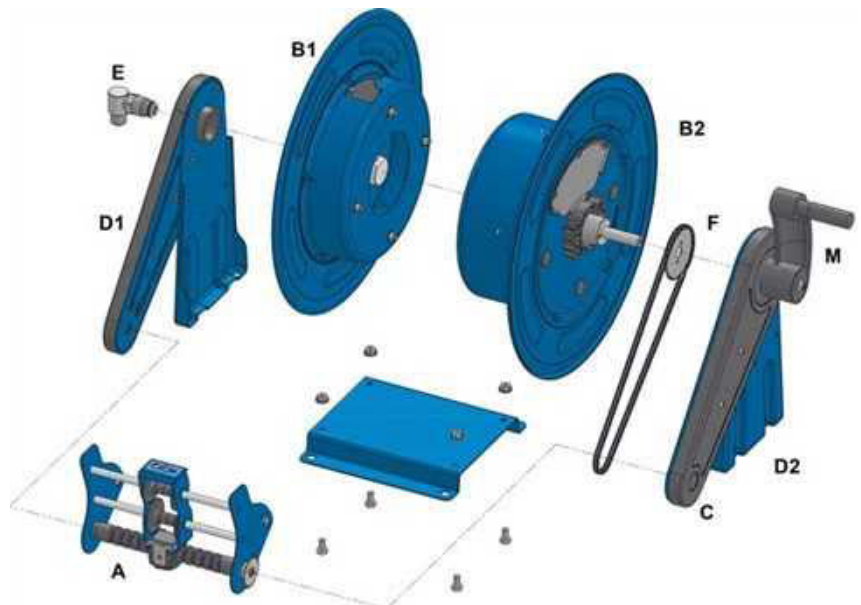
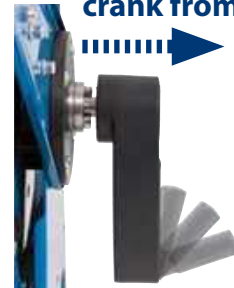
### LEGEND

- A **HOVA<sup>®</sup>GT** hose guide
- B1 Hose exit side disc/drum assembly
- B2 Chain side disc/drum assembly
- C Guide arm cover
- D1 Swivel side base arm
- D2 Chain side base arm
- E Came
- F Chain drive
- M Crank

Work mode: insert the crank into the drum



Free mode: pull out the crank from the drum



Available also in the version  
**ORION SG** without  
**HOVA<sup>®</sup>GT** hose guide.



**FREE ORIENTATION  
OF THE GUIDE ARMS**



## 400 SERIES - O1 Ø Disc 434 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF42130	OSGF42130	600 bar **	1/2"(M) 1/2"(F)	1/4"	40	9951
					3/8"	25	
					1/2"	20	
	OF42131	OSGF42131	100 bar	1"(M)-3/4"(F)	3/4" 1"	10 6	9970
AISI 304 STAINLESS STEEL	OX42130	OSGX42130	200 bar **	1/2"(M) 1/2"(F)	1/4"	40	9968
					3/8"	25	
					1/2"	20	
	OX42131	OSGX42131	100 bar	1"(M)-3/4"(F)	3/4" 1"	10 6	9970

## 400 SERIES - O2 Ø Disc 434 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF42190	OSGF42190	600 bar **	1/2"(M) 1/2"(F)	1/4"	50	9951
					3/8"	40	
					1/2"	30	
	OF42191	OSGF42191	100 bar	1"(M)-3/4"(F)	3/4" 1"	15 10	9970
AISI 304 STAINLESS STEEL	OX42190	OSGX42190	200 bar **	1/2"(M) 1/2"(F)	1/4"	50	9968
					3/8"	40	
					1/2"	30	
	OX42191	OSGX42191	100 bar	1"(M)-3/4"(F)	3/4" 1"	15 10	9970

## 400 SERIES - O3 Ø Disc 434 mm - Spool 260 mm - Drum 250 mm

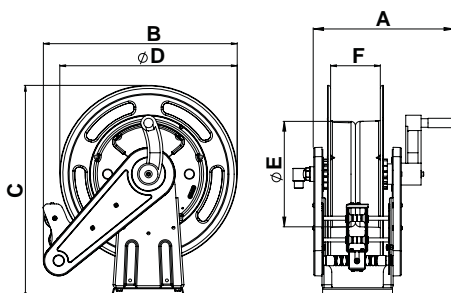
	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF42260	OSGF42260	600 bar **	1/2"(M) 1/2"(F)	1/4"	60	9951
					3/8"	50	
					1/2"	40	
	OF42261	OSGF42261	100 bar	1"(M)-3/4"(F)	3/4" 1"	20 15	9970
AISI 304 STAINLESS STEEL	OX42260	OSGX42260	600 bar **	1/2"(M) 1/2"(F)	1/4"	60	9968
					3/8"	50	
					1/2"	40	
	OX42261	OSGX42261	100 bar	1"(M)-3/4"(F)	3/4" 1"	20 15	9970

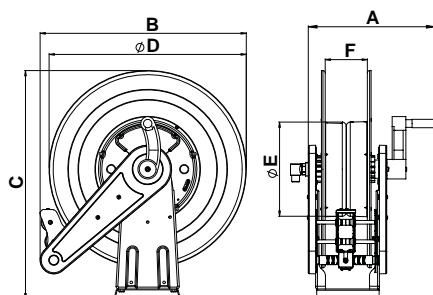
\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
O1	434	130	250	393x474x522	600x370x620	15
O2	434	195	250	461x474x523	600x370x620	19
O3	434	260	250	526x474x523	560x490x560	21





\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## 500 SERIES - O4 Ø Disc 540 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF52130	OSGF52130	600 bar **	1/2" (M) 1/2" (F)	1/4"	60	9951
					3/8"	50	
					1/2"	40	
	OF52131	OSGF52131	100 bar	1"(M)-3/4"(F)	3/4"	20	9970
					1"	13	
AISI 304 STAINLESS STEEL	OX52130	OSGF52130	200 bar **	1/2" (M) 1/2" (F)	1/4"	60	9968
					3/8"	50	
					1/2"	40	
	OX52131	OSGF52131	100 bar	1"(M)-3/4"(F)	3/4"	20	9970
					1"	13	

## 500 SERIES - O5 Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF52191	OSGF52191	100 bar	1"(M)-3/4"(F)	3/4"	30	9970
					1"	18	
AISI 304 STAINLESS STEEL	OX52191	OSGX52191	100 bar	1"(M)-3/4"(F)	3/4"	30	9970
					1"	18	

## 500 SERIES - O6 Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF52261	OSGF52261	100 bar	1"(M)-3/4"(F)	3/4"	40	9970
					1"	30	
AISI 304 STAINLESS STEEL	OX52261	OSGX52261	100 bar	1"(M)-3/4"(F)	3/4"	40	9970
					1"	30	

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
O4	540	130	250	396x565x625	700x370x700	20
O5	540	195	250	461x565x626	700x420x660	22
O6	540	260	250	526x565x626	700x420x660	23

The **ORION HEAVY DUTY** line was created to satisfy the need of rewinding long hoses with diameters up to 1" while using manual-driven reels equipped with **HOVA®** hose guide.

To do this it integrates a **3:1 effort reduction** mechanism which, facilitated by a raised position, makes it easier for the operator to rewind the hose.



## OPTIONAL

Also available on wheels to allow easy movement of the hose reel

- Wheels (F)
- Handles (G)
- Horizontal handle (H)

## 3 VERSIONS AVAILABLE

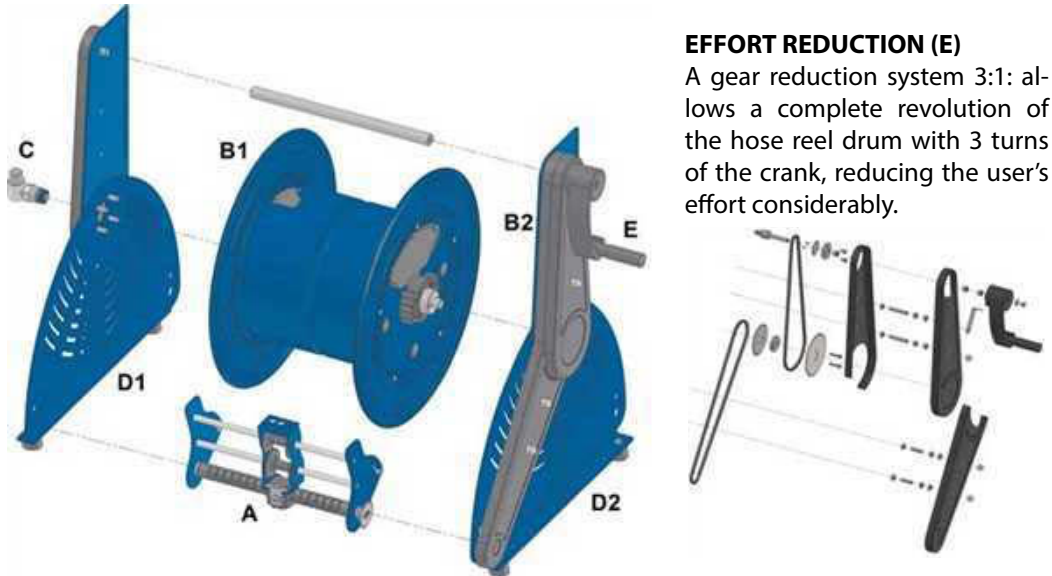
- Painted steel;
- Aisi 304;
- Aisi 316

## LEGEND

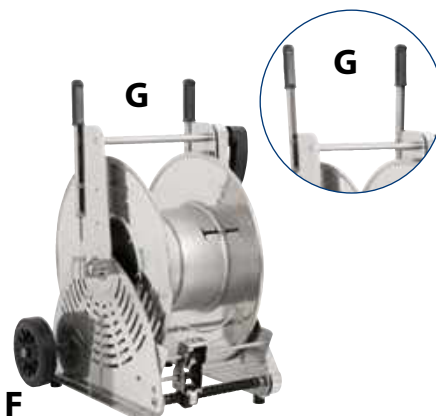
- A** HOVA® hose guide
- B1** Hose exit side disc/drum assembly
- B2** Chain drive side disc/drum assembly
- C** Swivel Joint
- D1** Swivel joint side base arm
- D2** Chain drive side base arm
- E** Crank and effort reduction mechanism

## EFFORT REDUCTION (E)

A gear reduction system 3:1: allows a complete revolution of the hose reel drum with 3 turns of the crank, reducing the user's effort considerably.



## OPTIONAL WHEELED VERSION COMPLETE WITH WHEELS (F) AND HANDLES (G).

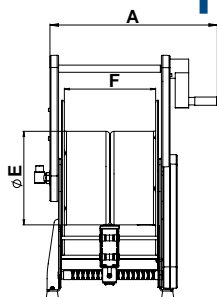
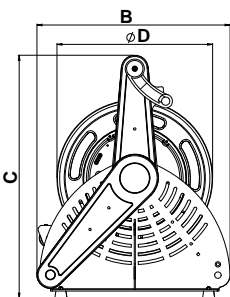


## OPTIONAL WHEELED VERSION COMPLETE WITH WHEELS (F) AND HORIZONTAL HANDLE (H)

To order this model add IR to the reel's code (e.g. OPF52190IR).







## HD SERIES - OP1 Ø Disc 434 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OPF42260	OPSGF42260	600 bar **	1/2"(M)- 1/2"(F)	1/4"	60	9951
					3/8"	50	
					1/2"	40	
	OPF42261	OPSGF42261	100 bar	1"(M)-3/4"(F)	3/4"	20	9970
					1"	15	
AISI 304 STAINLESS STEEL	OPX42260	OPSGX42260	200 bar **	1/2"(M)- 1/2"(F)	1/4"	60	9968
					3/8"	50	
					1/2"	40	
	OPX42261	OPSGX42261	100 bar	1"(M)-3/4"(F)	3/4"	20	9970
					1"	15	

## HD SERIES - OP2 Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OPF52190	OPSGF52190	600 bar **	1/2"(M)- 1/2"(F)	1/4"	130	9951
					3/8"	85	
					1/2"	65	
	OPF52191	OPSGF52191	100 bar	1"(M)-3/4"(F)	3/4"	30	9970
					1"	18	
AISI 304 STAINLESS STEEL	OPX52190	OPSGX52190	200 bar **	1/2"(M)- 1/2"(F)	1/4"	130	9968
					3/8"	85	
					1/2"	65	
	OPX52191	OPSGX52191	100 bar	1"(M)-3/4"(F)	3/4"	30	9970
					1"	18	

## HD SERIES - OP3 Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OPF52260	OPSGF52260	600 bar **	1/2"(M)- 1/2"(F)	1/4"	180	9951
					3/8"	115	
					1/2"	90	
	OPF52261	OPSGF52261	100 bar	1"(M)-3/4"(F)	3/4"	40	9970
					1"	30	
AISI 304 STAINLESS STEEL	OPX52260	OPSGX52260	200 bar **	1/2"(M)- 1/2"(F)	1/4"	180	9968
					3/8"	115	
					1/2"	90	
	OPX52261	OPSGX52261	100 bar	1"(M)-3/4"(F)	3/4"	40	9970
					1"	30	

\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
OP1	434	260	250	529x540x677	600x500x700	26
OP2	540	195	250	461x542x677	600x500x701	24
OP3	540	260	250	526x542x677	600x500x700	26





**ORION HEAVY DUTY**  
with hose guide

## WHEELED VERSION COMPOSED OF:

- Nr. 2 wheels Ø 200 mm
- Nr. 2 adjustable handles.

To order this model  
add MR to the reel's code  
(e.g. OPF52190MR).



**ORION HEAVY DUTY**  
without hose guide

## ORION EASY

## MANUAL HOSE REELS

WITHOUT  
HOSE GUIDE

**ORION EASY** wheeled hose reel with reduced effort system with **3:1 rapport** and reel rotation lock mechanism. The EASY model comes with wheels.

### EASY 400 SERIES - OE1 Ø Disc 434 mm - Spool 400 mm - Drum 260 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OEF42400	600 bar **	1/2"(M)-1/2"(F)	1/4"	150	9951
				3/8"	100	
				1/2"	80	
AISI 304 STAINLESS STEEL	OEX42400	200 bar **	1/2"(M)-1/2"(F)	3/4"	42	9970
				1"	25	

### EASY 500 SERIES - OE2 Ø Disc 540 mm - Spool 400 mm - Drum 335 mm

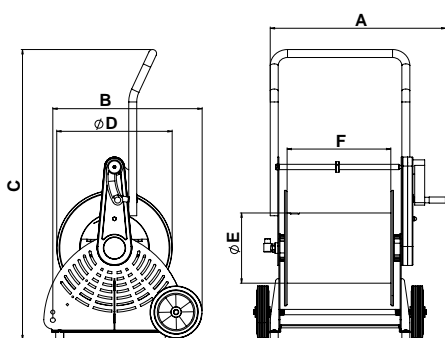
	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OEF53400	600 bar **	1/2"(M)-1/2"(F)	1/4"	230	9951
				3/8"	160	
				1/2"	110	
AISI 304 STAINLESS STEEL	OEF53401	100 bar	1"(M)-3/4"(F)	3/4"	60	9970
				1"	35	

\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
OE1	434	400	250	665x595x1091	800x800x1000	24
OE2	540	400	250	665x595x1091	800x800x1000	25

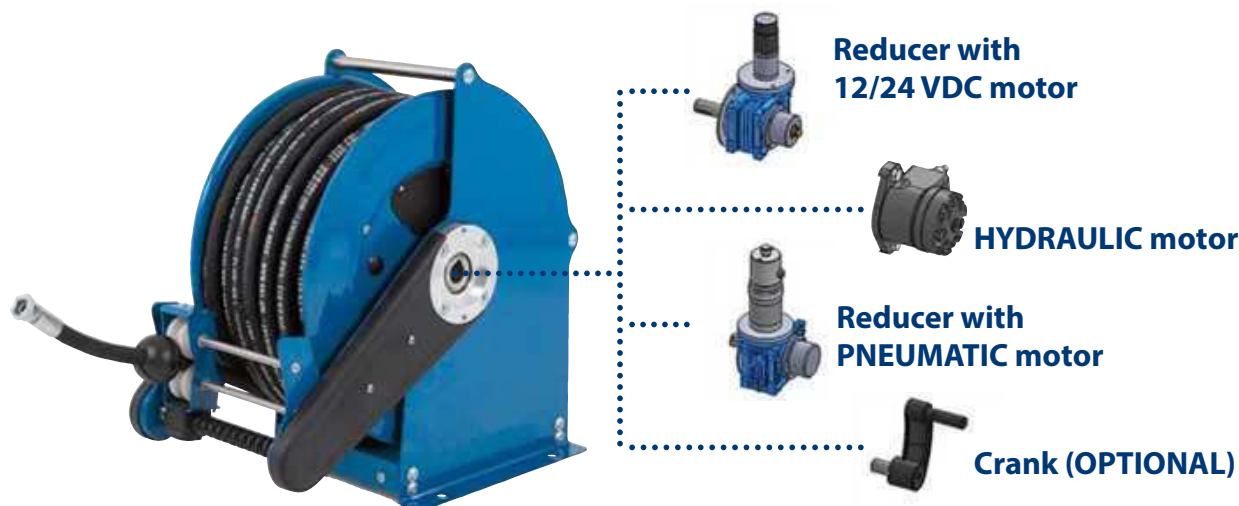


The **SIRIO motorized** hose reel is compact and can work with different motors, which can operate with a speed variator (24VDC / 12VDC models). If needed, a 230VAC / 24VDC power supply can be supplied separately (optional).  
(Art.no. 75070 (24VDC) / 75070/12 (12VDC)).

In heavy duty application where more power is need in order to rewind the hose, SIRIO can be supplied with an hydraulic motor which can be powered by a 12/24 VDC or 230 VAC control unit.

NOTE: in this version the rewinding occurs via the use of the hydraulic motor, meanwhile the unwinding of the hose must be done manually.

**OPTIONAL:** crank to allow manual winding of the hose.



## BUTTON PANEL



Art.no. 25103

## OPTIONAL CONTROLS

### REMOTE CONTROL



Art.no. 25101

## POWER SUPPLY/CONVERTER

### 230V – 12/24 Vdc



Art.no. 75070/12  
(12VDC)  
Art.no. 75070  
(24VDC)

## SIMPLIFIED CONTROL PANEL



Art.no. 25107/12  
(12VDC)  
Art.no. 25107/24  
(24VDC)

## CONTROL PANEL WITH SPEED REGULATOR



Art.no. 25108/12  
(12VDC)  
Art.no. 25108/24  
(24VDC)

## COMPLETE CONTROL PANEL AS STANDARD



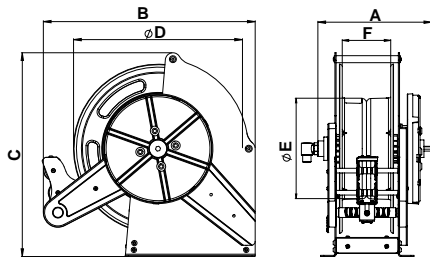
Art.no. 25104  
(230VAC)  
Art.no. 25105  
(12VDC)  
Art.no. 25106  
(24VDC)

## VERSION WITH REDUCED DIMENSIONS



### COMPACT VERSION

12/24V Motor



SIRIO COMPACT hose reel with chain drive and with 12/24 VDC motor.

## 400 SERIES - SC1 Ø Disc 434 mm - Spool 130 mm - Drum 250 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	SCF1242130	SCF2442130	600 bar **	1/2"(M) 1/2"(F)	1/4"	40	9951
					3/8"	25	
					1/2"	18	
	SCF1242131	SCF2442131	100 bar	1"(M)-3/4"(F)	3/4"	12	9970
					1"	8	
AISI 304 STAINLESS STEEL	SCX1242130	SCX2442130	200 bar **	1/2"(M) 1/2"(F)	1/4"	40	9968
					3/8"	25	
					1/2"	18	
	SCX1242131	SCX2442131	100 bar	1"(M)-3/4"(F)	3/4"	12	9970
					1"	8	

\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton<sup>®</sup> swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

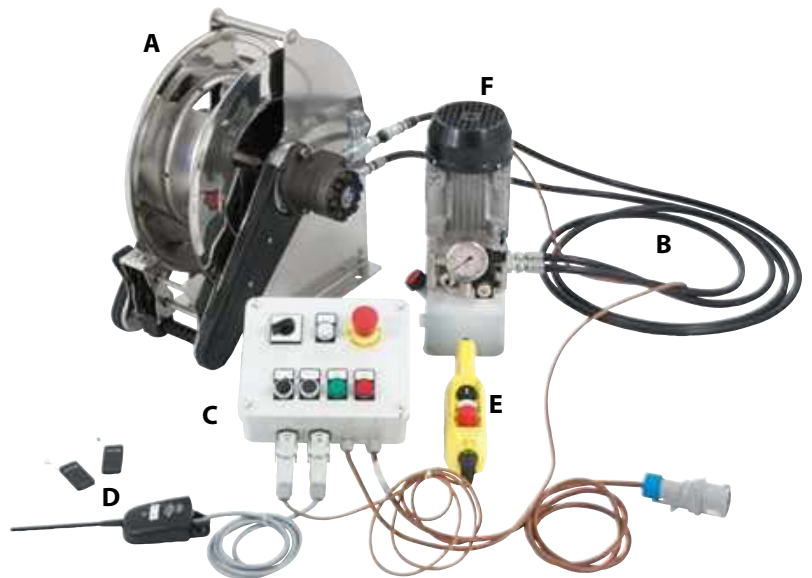
\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
SC1	434	130	250	335x544x524	670x800x900	26

## SIRIO ID

In the **SIRIO ID** version the hydraulic control unit (available with 12/24 VDC or 230 VAC power supply) is supplied separately and its housing must be managed by the end user.



### EXAMPLE OF COMPLETE HYDRAULIC KIT

- A SIRIO ID hydraulic hose reel
- B Hydraulic pipes (optional)
- C Complete control panel (optional)
- D Remote control (optional)
- E Button panel (optional)
- F Electro-hydraulic control unit (optional)

**F1** – Control unit 12/24VDC  
Art.no. 22024 (24VDC)  
Art.no. 22012 (12VDC)

**F2** – Control unit 230 VAC  
Art.no. 22023



**STANDARD VERSION**

**400 SERIES - S1** Ø Disc 434 mm - Spool 130 mm - Drum 250 mm

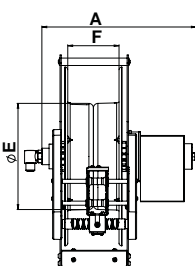
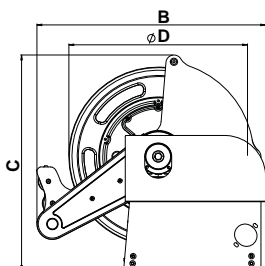
	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. ID HYDRAULIC	Art.no. PNEUMATIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
<b>PAINTED STEEL</b>	SF1242130	SF2442130	SFID42130	SFPN42130	600 bar **	1/2"(M) 1/2"(F)	1/4"	40	9951
							3/8"	25	
							1/2"	18	
	SF1242131	SF2442131	SFID42131	SFPN42131	100 bar	1"(M)-3/4"(F)	3/4"	12	9970
							1"	8	
<b>AISI 304 STAINLESS STEEL</b>	SX1242130	SX2442130	SXID42130	SXPN42130	200 bar **	1/2"(M) 1/2"(F)	1/4"	40	9968
							3/8"	25	
							1/2"	18	
	SX1242131	SX2442131	SXID42131	SXPN42131	100 bar	1"(M)-3/4"(F)	3/4"	12	9970
							1"	15	

**400 SERIES - S2** Ø Disc 434 mm - Spool 195 mm - Drum 250 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. ID HYDRAULIC	Art.no. PNEUMATIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
<b>PAINTED STEEL</b>	SF1242190	SF2442190	SFID42190	SFPN42190	600 bar **	1/2"(M) 1/2"(F)	1/4"	50	9951
							3/8"	40	
							1/2"	30	
	SF1242191	SF2442191	SFID42191	SFPN42191	100 bar	1"(M)-3/4"(F)	3/4"	18	9970
							1"	12	
<b>AISI 304 STAINLESS STEEL</b>	SX1242190	SX2442190	SXID42190	SXPN42190	200 bar **	1/2"(M) 1/2"(F)	1/4"	60	9968
							3/8"	40	
							1/2"	30	
	SX1242191	SX2442191	SXID42191	SXPN42191	100 bar	1"(M)-3/4"(F)	3/4"	18	9970
							1"	12	

**400 SERIES - S3** Ø Disc 434 mm - Spool 260 mm - Drum 250 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. ID HYDRAULIC	Art.no. PNEUMATIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
<b>PAINTED STEEL</b>	SF1242260	SF2442260	SFID42260	SFPN42260	600 bar **	1/2"(M) 1/2"(F)	1/4"	60	9951
							3/8"	50	
							1/2"	40	
	SF1242261	SF2442261	SFID42261	SFPN42261	100 bar	1"(M)-3/4"(F)	3/4"	20	9970
							1"	15	
<b>AISI 304 STAINLESS STEEL</b>	SX1242260	SX2442260	SXID42260	SXPN42260	200 bar **	1/2"(M) 1/2"(F)	1/4"	60	9968
							3/8"	50	
							1/2"	40	
	SX1242261	SX2442261	SXID42261	SXPN42261	100 bar	1"(M)-3/4"(F)	3/4"	20	9970
							1"	15	



\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

**DIMENSIONS AND PACKAGING**

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
<b>S1</b>	434	130	250	358x544x538	670x800x900	23
<b>S2</b>	434	195	250	426x544x538	670x800x900	26
<b>S3</b>	434	260	250	491x544x538	670x800x900	28



**500 SERIES - S4** Ø Disc 540 mm - Spool 130 mm - Drum 250 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. ID HYDRAULIC	Art.no. PNEUMATIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
<b>PAINTED STEEL</b>	SF1252130	SF2452130	SFID52130	SFPN52130	600 bar **	1/2"(M) 1/2"(F)	1/4"	80	9951
							3/8"	60	
							1/2"	45	
	SF1252131	SF2452131	SFID52131	SFPN52131	100 bar	1"(M)-3/4"(F)	3/4"	22	9970
							1"	12	
<b>AISI 304 STAINLESS STEEL</b>	SX1252130	SX2452130	SXID52130	SXPNS2130	200 bar **	1/2"(M) 1/2"(F)	1/4"	80	9968
							3/8"	60	
							1/2"	45	
	SX1252131	SX2452131	SXID52131	SXPNS2131	100 bar	1"(M)-3/4"(F)	3/4"	22	9970
							1"	12	

**500 SERIES - S5** Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. ID HYDRAULIC	Art.no. PNEUMATIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
<b>PAINTED STEEL</b>	SF1252190	SF2452190	SFID52190	SFPN52190	600 bar **	1/2"(M) 1/2"(F)	1/4"	120	9951
							3/8"	90	
							1/2"	70	
	SF1252191	SF2452191	SFID52191	SFPN52191	100 bar	1"(M)-3/4"(F)	3/4"	35	9970
							1"	18	
<b>AISI 304 STAINLESS STEEL</b>	SX1252190	SX2452190	SXID52190	SXPNS2190	200 bar **	1/2"(M) 1/2"(F)	1/4"	120	9968
							3/8"	90	
							1/2"	70	
	SX1252191	SX2452191	SXID52191	SXPNS2191	100 bar	1"(M)-3/4"(F)	3/4"	35	9970
							1"	18	

**500 SERIES - S6** Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. ID HYDRAULIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
<b>PAINTED STEEL</b>	SFID52260	600 bar **	1/2"(M) 1/2"(F)	1/4"	180	9951
				3/8"	115	
				1/2"	90	
<b>AISI 304 STAINLESS STEEL</b>	SXID52260	200 bar **	1/2"(M) 1/2"(F)	1/4"	180	9968
				3/8"	115	
				1/2"	90	

**ELECTRIC MOTOR FOR SIRIO**

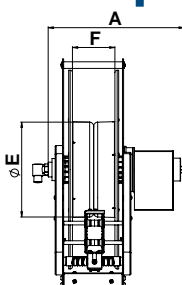
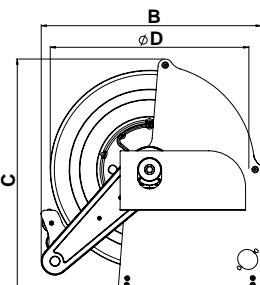
Motor	Voltage	Absorption	Power output	Rpm
<b>MS12V</b>	12VDC	4.5A	55W	4500
<b>MS24V</b>	24VDC	3.75A	90W	3000

**DIMENSIONS AND PACKAGING**

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
<b>S4</b>	540	130	250	358x594x632	670x800x900	26
<b>S5</b>	540	195	250	426x598x632	670x800x900	28
<b>S6</b>	540	260	250	504x604x632	670x800x900	32

\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton<sup>®</sup> swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

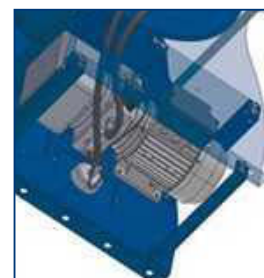
\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).



The **GEMINI** model features the use of the hydraulic motor complete with a hydraulic control unit with 12/24 VDC or 230VAC power supply housed in the base of the hose reel which allows it to keep to a minimum the overall dimensions. The hydraulic power of the motor ensures the guided rewinding of long length hoses and with bigger diameters. It is equipped as standard with **HOVA**® hose guide.

**NOTE:** in this version the rewinding occurs via the use of the hydraulic motor, meanwhile the unwinding of the hose must be done manually.

It can be controlled from a button panel, from a remote control or directly from the complete control panel (see bottom of page)



## 3 VERSIONS AVAILABLE

- Painted steel;
- Aisi 304;
- Aisi 316

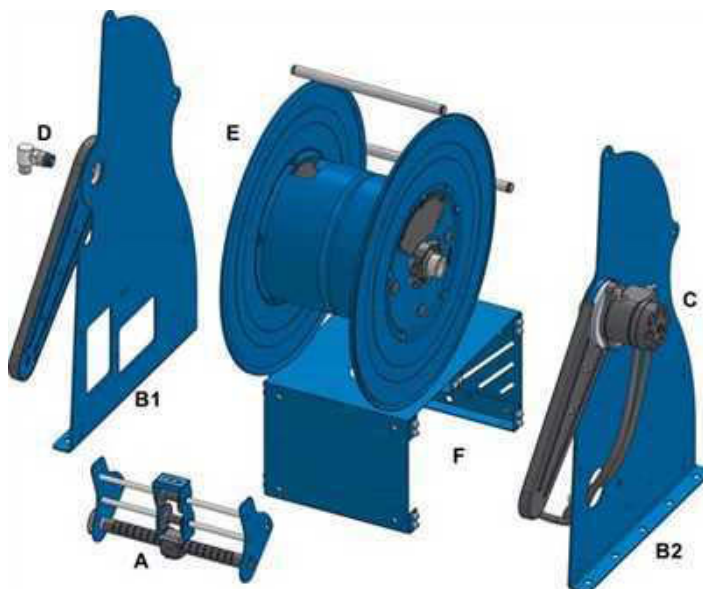
## LEGEND

- A **HOVA**® hose guide
- B1 Swivel joint side base arm
- B2 Hydraulic motor side base arm
- C Hydraulic motor
- D Swivel Joint
- E Hose exit side disc/drum assembly
- F Compartment for electro-hydraulic motor

F1 – Control unit 12/24VDC  
Art.no. 22024 (24VDC)  
Art.no. 22012 (12VDC)



F2 – Control unit 230VAC  
Art.no. 22023



## HEAVY DUTY

Thanks to the use of the hydraulic motor (C) the **GEMINI** is capable of easily rewinding hoses of great lengths and dimensions.

## BUTTON PANEL OPTIONAL



Art.no. 25103

## REMOTE CONTROL OPTIONAL



Art.no. 25101

## COMPLETE CONTROL PANEL AS STANDARD



Art.no. 25104  
(230VAC)  
Art.no. 25105  
(12VDC)  
Art.no. 25106  
(24VDC)



**500 SERIES - G1** Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. 230 VAC	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
<b>PAINTED STEEL</b>	GF1252190	GF2452190	GF2352190	GFSGA52190	600 bar	1/2"(M) 1/2"(F)	1/4"	130	9951
							3/8"	85	
							1/2"	65	
	GF1252191	GF2452191	GF2352191	GFSGA52191	100 bar	1"(M)- 3/4"(F)	3/4"	30	9970
							1"	18	
<b>AISI 304 STAINLESS STEEL</b>	GX1252190	GX2452190	GX2352190	GXSGA52190	200 bar	1/2"(M) 1/2"(F)	1/4"	130	9968
							3/8"	85	
							1/2"	65	
	GX1252191	GX2452191	GX2352191	GXSGA52191	100 bar	1"(M)- 3/4"(F)	3/4"	30	9970
							1"	18	

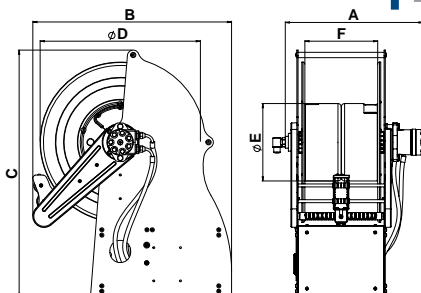


**500 SERIES - G2** Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. 230 VAC	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
<b>PAINTED STEEL</b>	GF1252260	GF2452260	GF2352260	GFSGA52260	600 bar **	1/2"(M) 1/2"(F)	1/4"	180	9951
							3/8"	115	
							1/2"	90	
	GF1252261	GF2452261	GF2352261	GFSGA52261	100 bar	1"(M)- 3/4"(F)	3/4"	40	9970
							1"	25	
<b>AISI 304 STAINLESS STEEL</b>	GX1252260	GX2452260	GX2352260	GXSGA52260	200 bar **	1/2"(M) 1/2"(F)	1/4"	180	9968
							3/8"	115	
							1/2"	90	
	GX1252261	GX2452261	GX2352261	GXSGA52261	100 bar	1"(M)- 3/4"(F)	3/4"	40	9970
							1"	25	

**600 SERIES - G3** Ø Disc 600 mm - Spool 260 mm - Drum 335 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. 230 VAC	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
<b>PAINTED STEEL</b>	GF1263260	GF2463260	GF2363260	GFSGA63260	600 bar **	1/2"(M) 1/2"(F)	1/4"	200	9951
							3/8"	150	
							1/2"	110	
	GF1263261	GF2463261	GF2363261	GFSGA63261	100 bar	1"(M)- 3/4"(F)	3/4"	55	9970
							1"	32	
	GF1263262	GF2463262	GF2363262	GFSGA63262	20 bar	1 1/4"(M)- 1 1/4"(M)	1 1/4"	22	9980
							1 1/2"	15	
<b>AISI 304 STAINLESS STEEL</b>	GX1263260	GX2463260	GX2363260	GXSGA63260	200 bar **	1/2"(M) 1/2"(F)	1/4"	200	9968
							3/8"	150	
							1/2"	110	
	GX1263261	GX2463261	GX2363261	GXSGA63261	100 bar	1"(M)- 3/4"(F)	3/4"	55	9970
							1"	32	
	GX1263262	GX2463262	GX2363262	GXSGA63262	20 bar	1 1/4"(M)- 1 1/4"(M)	1 1/4"	22	9946
							1 1/2"	15	



\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

**DIMENSIONS AND PACKAGING**

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
<b>G1</b>	540	195	250	385x670x834	670x800x900	56
<b>G2</b>	540	260	250	450x670x834	670x800x900	63
<b>G3</b>	600	260	335	450x730x894	670x800x900	68



## HEAVY DUTY TITANO **with reinforced spring**

The **TITANO HEAVY DUTY** line was developed with reinforced spring and characterized by robustness and stability, for use in the most demanding applications where hoses up to Ø 1 1/4" / Ø 1 1/2" are required.

It is supplied as standard with manual hose guide but with the possibility of being equipped with an automatic **NOVA<sup>®</sup> TG** hose guide. To order the automatic hose guide add **TG** to the reel's code (e.g. TF5340350TG).



**OPTIONAL**  
**NOVA<sup>®</sup> TG** Automatic hose guide

### LEGEND

- A** Manual hose guide
- B1** Swivel joint side base arm
- B2** Spring drive side base arm
- C** Spring
- D1** Hose exit side disc/drum assembly
- D2** Spring side disc/drum assembly and carter
- E** Guide arm cover



### WITH MANUAL HOSE GUIDE



## SPRING SERIES - T1 Ø Disc 600 mm - Spool 400 mm - Drum 335 mm

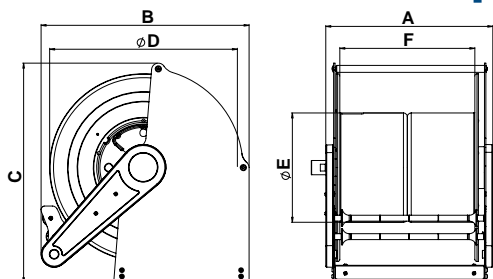
	Art.no. CON GUIDATUBO MANUALE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Swivel joint*
<b>PAINTED STEEL</b>	<b>TF6340351</b>	100 bar	1"(M)-3/4"(F)	35m	<b>3/4" - 1"</b>	<b>35</b>	9970
	<b>TF6340202</b>	20 bar	1 1/4"(M)-1 1/4"(M)	20m	<b>1 1/4"</b>	<b>18</b>	9980
	<b>TF6340203</b>		1 1/4"(M)-1 1/2"(M)		<b>1 1/2"</b>	<b>12</b>	9949
<b>AISI 304 STAINLESS STEEL</b>	<b>TX6340351</b>	100 bar	1"(M)-3/4"(F)	35m	<b>3/4" - 1"</b>	<b>35</b>	9970
	<b>TX6340202</b>	20 bar	1 1/4"(M)-1 1/4"(M)	20m	<b>1 1/4"</b>	<b>18</b>	9946
	<b>TX6340203</b>		1 1/4"(M)-1 1/2"(M)		<b>1 1/2"</b>	<b>12</b>	9945

\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton<sup>®</sup> swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
<b>T1</b>	600	400	335	481x765x830	670x800x900	40





**TITANO HEAVY DUTY** line with hydraulic motor suitable for 1 1/4" / 1 1/2" hoses, including 12/24 VDC (F1) or 230 VAC (F2) Electro-hydraulic control unit, button panel and complete control panel. They stand out for their robustness and stability and are suitable for heavy-duty applications.

**NOTE:** in this version the rewinding occurs via the use of the hydraulic motor, meanwhile the unwinding of the hose must be done manually. While the rewinding occurs via the use of the hydraulic motor, the unwinding of the hose must be done manually.

It is supplied as standard with manual hose guide with the possibility of equipping it with **NOVA<sup>®</sup> TG** automatic hose guide. To order the automatic hose guide add **TG** to the reel's code (e.g. TF1252400TG).

Manual hose guide



OPTIONAL  
**NOVA<sup>®</sup> TG** Automatic hose guide

## 3 VERSIONS AVAILABLE

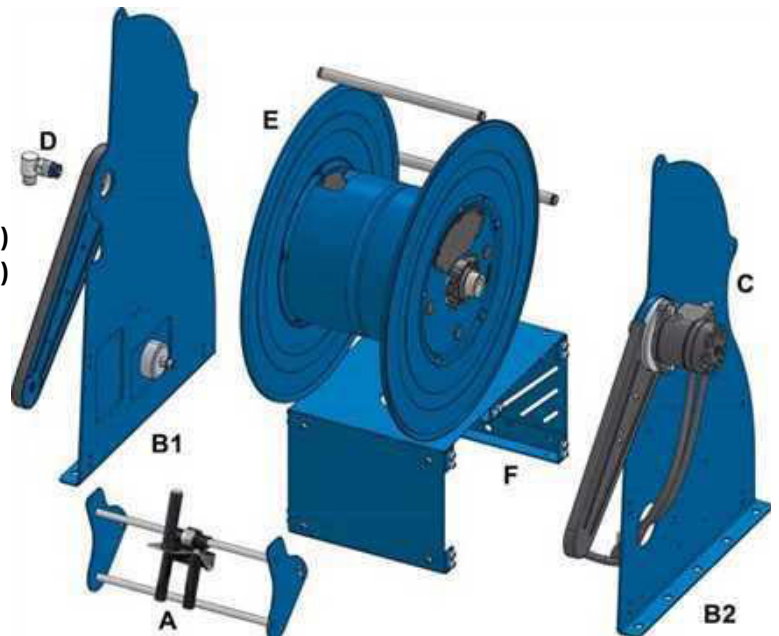
- Painted steel;
- Aisi 304;
- Aisi 316

## LEGEND

- A Hose guide
- B1 Swivel joint side base arm
- B2 Motor side base arm
- C Hydraulic motor
- D Swivel joint
- E Drum and disks assembly
- F Control Unit Housing

## HEAVY DUTY

Thanks to the use of the hydraulic motor (C) the GEMINI is capable of easily rewinding hoses of great lengths and dimensions.



## CONTROLS

### BUTTON PANEL (OPTIONAL)



Art.no. 25103

### REMOTE CONTROL (OPTIONAL)



Art.no. 25101

### COMPLETE CONTROL PANEL AS STANDARD



Art.no. 25104  
(230VAC)  
Art.no. 25105  
(12VDC)  
Art.no. 25106  
(24VDC)

## MOTOR DRIVEN SERIES - T2 Ø Disc 540 mm - Spool 400 mm - Drum 250 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. 230 VAC	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	TF1252400	TF2452400	TF2352400	TFSGA52400	600 bar **	1/2"(M) 1/2"(F)	1/4"	280	9951
							3/8"	180	
							1/2"	130	
	TF1252401	TF2452401	TF2352401	TFSGA52401	100 bar	1"(M)-3/4"(F)	3/4"	80	9970
							1"	40	
AISI 304 STAINLESS STEEL	TX1252400	TX2452400	TX2352400	TXSGA52400	200 bar **	1/2"(M) 1/2"(F)	1/4"	280	9968
							3/8"	180	
							1/2"	130	
	TX1252401	TX2452401	TX2352401	TXSGA52401	100 bar	1"(M)-3/4"(F)	3/4"	80	9970
							1"	40	

## MOTOR DRIVEN SERIES - T3 Ø Disc 540 mm - Spool 400 mm - Drum 335 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. 230 VAC	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	TF1253400	TF2453400	TF2353400	TFSGA53400	600 bar **	1/2"(M) 1/2"(F)	1/4"	200	9951
							3/8"	140	
							1/2"	100	
	TF1253401	TF2453401	TF2353401	TFSGA53401	100 bar	1"(M)-3/4"(F)	3/4"	55	9970
							1"	30	
	TF1253402	TF2453402	TF2353402	TFSGA53402	20 bar	1 1/4"(M)- 1 1/4"(M)	1 1/4"	20	9980
	TF1253403	TF2453403	TF2353403	TFSGA53403		1 1/4"(M)- 1 1/2"(M)	1 1/2"	15	9949
AISI 304 STAINLESS STEEL	TX1253400	TX2453400	TX2353400	TXSGA53400	200 bar **	1/2"(M) 1/2"(F)	1/4"	200	9968
							3/8"	140	
							1/2"	100	
	TX1253401	TX2453401	TX2353401	TXSGA53401	100 bar	1"(M)-3/4"(F)	3/4"	55	9970
							1"	30	
	TX1253402	TX2453402	TX2353402	TXSGA53402	20 bar	1 1/4"(M)- 1 1/4"(M)	1 1/4"	20	9946
	TX1253403	TX2453403	TX2353403	TXSGA53403		1 1/4"(M)- 1 1/2"(M)	1 1/2"	15	9945



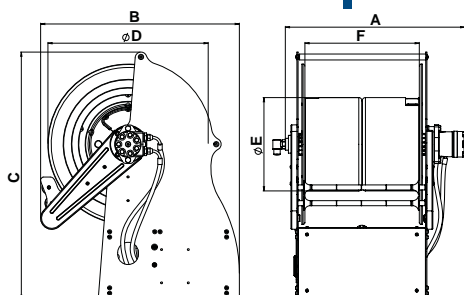
Manual hose guide.  
Standard



Automatic hose guide.  
Optional



OPTIONAL  
**NOVATG**  
automatic hose guide.



\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
<b>T2</b>	540	400	250	586x670x834	670x800x901	70
<b>T3</b>	540	400	335	586x670x834	670x800x902	71

## MOTOR DRIVEN SERIES - T4 Ø Disc 680 mm - Spool 400 mm - Drum 250 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. 230 VAC	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	TF1262401	TF2462401	TF2362401	TFSGA62401	100 bar	1"(M)-3/4"(F)	3/4"	130	9970
							1"	75	
AISI 304 STAINLESS STEEL	TX1262401	TX2462401	TX2362401	TXSGA62401	100 bar	1"(M)-3/4"(F)	3/4"	130	9970
							1"	75	

## MOTOR DRIVEN SERIES - T5 Ø Disc 680 mm - Spool 400 mm - Drum 335 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. 230 VAC	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	TF1263401	TF2463401	TF2363401	TFSGA63401	100 bar	1"(M)-3/4"(F)	3/4"	100	9970
							1"	65	
	TF1263402	TF2463402	TF2363402	TFSGA63402	20 bar	1 1/4"(M)- 1 1/4"(M)	1 1/4"	50	9980
	TF1263403	TF2463403	TF2363403	TFSGA63403		1 1/4"(M)- 1 1/2"(M)	1 1/2"	30	9949
AISI 304 STAINLESS STEEL	TX1263401	TX2463401	TX2363401	TXSGA63401	100 bar	1"(M)-3/4"(F)	3/4"	100	9970
							1"	65	
	TX1263402	TX2463402	TX2363402	TXSGA63402	20 bar	1 1/4"(M)- 1 1/4"(M)	1 1/4"	45	9946
	TX1263403	TX2463403	TX2363403	TXSGA63403		1 1/4"(M)- 1 1/2"(M)	1 1/2"	20	9945

## MOTOR DRIVEN SERIES - T6 Ø Disc 680 mm - Spool 600 mm - Drum 335 mm

	Art.no. 12 VDC	Art.no. 24 VDC	Art.no. 230 VAC	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	TF1263601	TF2463601	TF2363601	TFSGA63601	100 bar	1"(M)-3/4"(F)	3/4"	180	9970
							1"	90	
	TF1263602	TF2463602	TF2363602	TFSGA63602	20 bar	1 1/4"(M)- 1 1/4"(M)	1 1/4"	75	9980
	TF1263603	TF2463603	TF2363603	TFSGA63603		1 1/4"(M)- 1 1/2"(M)	1 1/2"	50	9949
AISI 304 STAINLESS STEEL	TX1263601	TX2463601	TX2363601	TXSGA63601	100 bar	1"(M)-3/4"(F)	3/4"	180	9970
							1"	90	
	TX1263602	TX2463602	TX2363602	TXSGA63602	20 bar	1 1/4"(M)- 1 1/4"(M)	1 1/4"	75	9946
	TX1263603	TX2463603	TX2363603	TXSGA63603		1 1/4"(M)- 1 1/2"(M)	1 1/2"	50	9945



Manual hose guide.  
Standard



Automatic hose guide.  
Optional



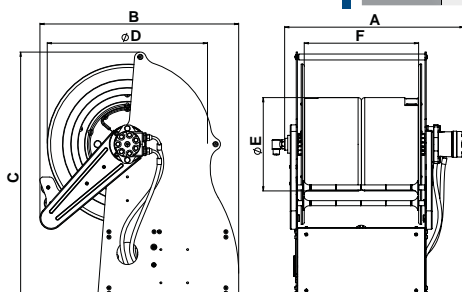
Manual hose guide.  
Standard

\*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets. See pages 227 for the complete range of swivel joints with gaskets compatible with other liquids.

\*\*) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 226 regarding the splitting of the roller).

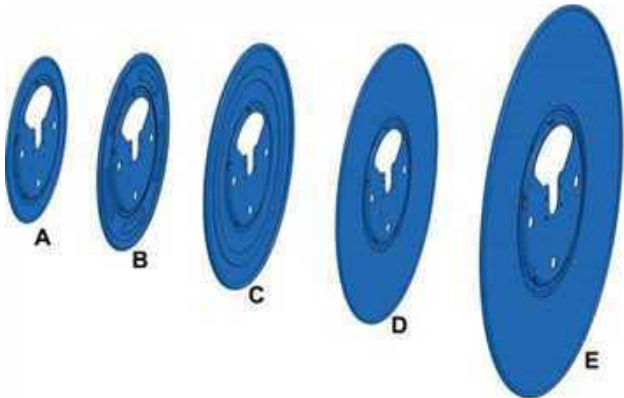
## DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
T4	680	400	250	586x730x894	670x800x903	74
T5	680	400	335	586x730x894	670x800x904	75
T6	680	600	335	786x730x894	-	78



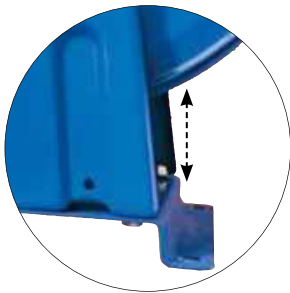
OMPI hose reels, in addition to the standard versions, can be offered in **custom sizes** to meet specific application needs.

Hose Reels



The discs are available in different sizes, including custom made, for all space requirements:

- A: Ø 330mm
- B: Ø 434mm
- C: Ø 540mm
- D: Ø 600mm / 660mm
- E: Ø 1100mm



On request it is possible to provide a lowered version of the ANDROMEDA models with **HOVA®** hose guide, reducing its height **UP TO 5 CM less**.

## THIN REEL LINE

## SPECIAL HOSE REELS

The **Thin Reel line** was developed to manage hoses where there is a need to work in limited spaces. The innovative construction design makes the hose reel particularly suitable for applications with limited space availability.

The reels are designed with a single guide arm to be able to be allocated in small spaces.

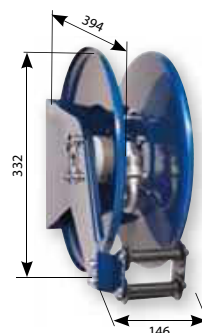
Art.no. **38600**

Automatic rewind, spring-driven hose reel, **series THIN REEL**, in painted steel, suitable for hoses of max 8 m length (Ø hose 1/2") or max 15 m length (Ø hose 1/4").

The hose reel is supplied without hoses and can be used with hoses for the supply of **oils, grease and compressed air**.

Art.no. **38500**

Same as art.no. 38600, but equipped with wetted parts in stainless steel AISI 304, for the use with **AdBlue®/DEF/AUS32, water, antifreeze, compressed air and water-based fluids, at low pressure**.



### THIN REEL 300 SERIES

### Ø Disc 332 mm - Spool 75 mm

PAINTED  
STEEL

Art.no.	Max working pressure	Connection threads IN - OUT	Max diameter hose	Max length hose 1/2" - 1/4" (m)	Material wetted parts	Weight (kg)	Packaging dimensions (mm)
<b>38600</b>	100 bar	1/2" (F) - 1/2" (M)	<b>1/2"</b>	<b>8 - 15</b>	Brass	9	600x510x270
<b>38500</b>	15 bar				Stainless steel AISI 304		

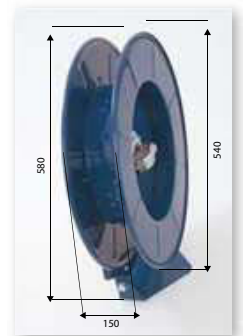


Art.no. **38700**



Automatic rewind, **spring-driven** hose reel, **series THIN REEL**, in painted steel, suitable for hoses of max 25 m length (ø hose 1/2").

This hose reel is equipped with a swivelling bracket which allows a rotation of 90° so that a laterally installed reel can be used then forward-facing and can be repositioned easily again after use.



Art.no. **38700M**

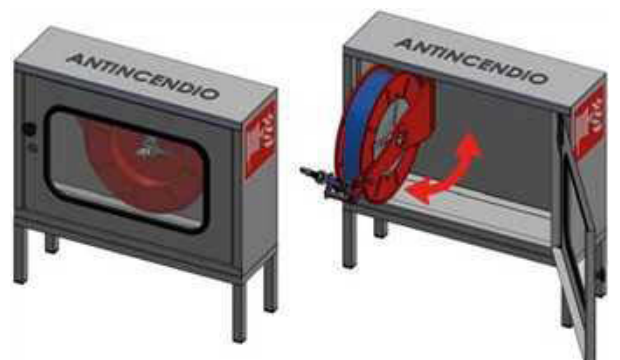


Automatic rewind, **manual-driven** hose reel, **series THIN REEL**, in painted steel, suitable for hoses of max 25 m length (ø hose 1/2").

This hose reel is equipped with a swivelling bracket which allows a rotation of 90° so that a laterally installed reel can be used then forward-facing and can be repositioned easily again after use.



Example of enclosed space application. The reel is easily adjustable thanks to the pivotig wall bracket.



## THIN REEL 500 SERIES

Ø Disc 540 mm - Spool 120 mm

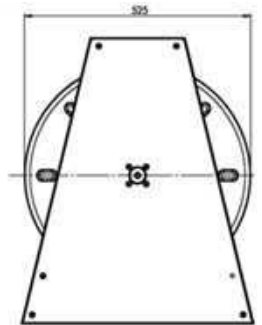
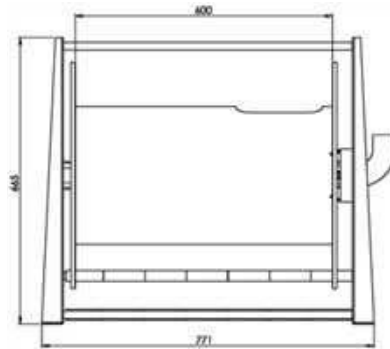
PAINTED  
STEEL

Art.no.	Max working pressure	Internal diameter swivel joint	Max diameter hose	Max length hose (m)	Swivel joint	Dimensions (mm)	Weight (kg)	Packaging dimensions (mm)
<b>38700</b>	200 bar	12 mm	1/2"	25	9952	150x540x580	14	630x590x280
<b>38700M</b>							13	

Art.no. **39700**

Automatic rewind, spring-driven hose reel, in painted steel, provided for the suction of air or dust through suitable hoses with int.  $\varnothing$  50 mm (2") and a max length of 20 m. The hose reel is supplied without hose.

On demand the required hoses are also available.

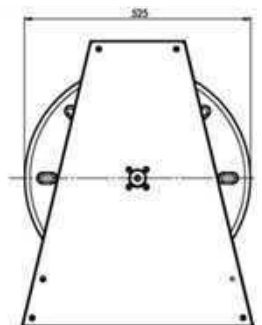
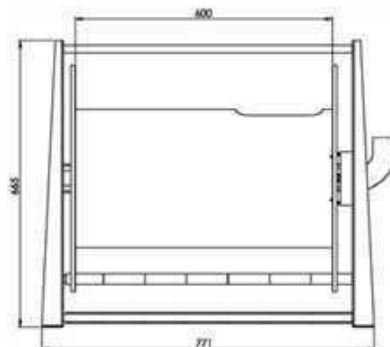


Art.no.	Connection IN - OUT	Hose reel material	Weight	Dimensions (LxWxH) (mm)
<b>39700</b>	Int. $\varnothing$ 50 mm	Carbon steel	40 kg	600 x 700 x 800

Art.no. **39750**

Automatic rewind, spring-driven hose reel, in stainless steel AISI 304, provided for the suction of air or dust through suitable hoses with int.  $\varnothing$  50 mm (2") and a max length of 20 m. The hose reel is supplied without hose.

On demand the required hoses are also available.



Art.no.	Connection IN - OUT	Hose reel material	Weight	Dimensions (LxWxH) (mm)
<b>39750</b>	Int. $\varnothing$ 50 mm	Stainless steel AISI 304	40 kg	600 x 700 x 800



90° - high pressure swivel joints in galvanized steel for the use with painted hose reel models for hoses up to 1/2".

Art.no. **9951** Recommended for usual pressure applications with grease or oils (this is the standard swivel joint mounted on all painted steel hose reels for the use with grease up to 1/2").

Art.no. **9951-RF** Recommended for oil and grease with integrated electric normally closed valve. Power supply voltage 12VDC or 24VDC.

Art.no. **9952** Recommended for applications with mineral oils and compressed air.

Art.no. **9957** Recommended for applications with glycol and brake fluid.

Art. no.	Connection threads IN - OUT	Max working pressure	Max temperature	Internal diameter inlet swivel joint	Gaskets
<b>9951</b>	1/2" BSP (M)	600 bar	60° C	10 mm	PUR
<b>9951-RF</b>		250 bar			
<b>9952</b>	1/2" BSP (M)	200 bar	60° C	12 mm	PUR
<b>9957</b>	1/2" BSP (M)	200 bar	60° C	10 mm	EPDM



High pressure swivel joint, 90° - type, in galvanized steel, with ball valve, self-lubricating.

Art. no.	Connections	Max static pressure	Max flow rate
<b>SJ9004</b>	3/4" BSP	310 bar	120 l/min
<b>SJ9005</b>	1" BSP	280 bar	150 l/min
<b>SJ9006</b>	1 1/4" BSP	250 bar	200 l/min
<b>SJ9007</b>	1 1/2" BSP	210 bar	250 l/min
<b>SJ9009</b>	2" BSP	180 bar	300 l/min

High pressure swivel joint, straight type, in galvanized steel, with ball valve, self-lubricating.

Art. no.	Connection	Max static pressure	Max flow rate
<b>SJL04</b>	3/4" BSP	310 bar	120 l/min

Straight low pressure swivel joints in brass / free cutting steel. Recommended for applications with oils, diesel and compressed air.



Art. no.	Connection threads IN - OUT	Max working pressure	Max temperature	Internal diameter inlet swivel joint	Gaskets
<b>71451</b>	3/4" BSP (M) - 1" BSP (F)	20 bar	60° C	20 mm	NBR
<b>71454</b>	3/4" BSP (M) - 1" BSP (M)	20 bar	60° C	20 mm	NBR
<b>71453</b>	1" BSP (M) - 1" BSP (M)	20 bar	60° C	20 mm	NBR
<b>71458</b>	1" BSP (M) - 1" BSP (F)	20 bar	60° C	20 mm	NBR
<b>71461</b>	1 1/4" BSP (M) - 1" BSP (M)	20 bar	60° C	25 mm	NBR



90° - high pressure swivel joints in stainless steel for the use with hose reel models for hoses up to 1/2".

Recommended for applications with water, AdBlue®/DEF/AUS32, glycol, other fluids compatible with this type of steel and compressed air.

The standard swivel joint mounted on all stainless steel hose reels in 1/2" is art. no. 9968.

Art. no.	Connection threads IN - OUT	Max working pressure	Max temp.	Internal diameter	Gaskets	Material swivel joint body
<b>9960K</b>	M 22 x1.5	200 bar	150° C	10 mm	FKM + EPDM	Stainless steel AISI 303
<b>9961</b>	1/2" BSP (M)	400 bar	150° C	10 mm	FKM	Stainless steel AISI 303
<b>9962</b>	1/2" BSP (M)	400 bar	150° C	10 mm	FKM	Stainless steel AISI 316
<b>9968</b>	1/2" BSP (M)	200 bar	150° C	10 mm	FKM + EPDM	Stainless steel AISI 303
<b>9964</b>	1/2" BSP (F)	200 bar	150° C	10 mm	FKM + EPDM	Stainless steel AISI 303
<b>9966T.F.</b>	1/2" BSP (M)	600 bar	150° C	10 mm	FKM + PTFE	Stainless steel AISI 303
<b>9967</b>	1/2" BSP (M)	200 bar	150° C	12 mm	FKM + EPDM	Stainless steel AISI 303



90° - high pressure swivel joints in stainless steel for the use with hose reel models for hoses up to 1".

Recommended for applications with water, AdBlue®/DEF/AUS32, glycol, other fluids compatible with this type of steel and compressed air.

The standard swivel joint mounted on all stainless steel and painted hose reels in 1" is art. no. 9970.



Art. no.	Connection threads IN - OUT	Max working pressure (*)	Max temperature	Internal diameter inlet swivel joint	Gaskets	Material swivel joint body
<b>9970</b>	1" BSP (M)	100 bar	100° C	20 mm	FKM	Stainless steel AISI 303
<b>9987</b>	1" BSP (M)	100 bar	100° C	20 mm	FFKM + FKM	Stainless steel AISI 303
<b>9981</b>	1" BSP (M)	100 bar	100° C	20 mm	FFKM + FKM	Stainless steel AISI 316

## Explanation:

**EPDM:** Etilene Propylene Diene Monomer

**FKM:** Fluoro rubber (Viton®)

**FFKM:** Perfluorinated rubber (Kalrez®)

**PUR:** Polyurethane

(\*) Static pressure

Interchangeable fluid shaft suitable for installation in hose reels in dimension 1/2".

They are available in galvanized and stainless steel AISI 304. In combination with swivel joints they enable the use of a painted steel hose reel model also for fluids that require wetted parts in stainless steel (f. ex. water, AdBlue®/DEF/AUS32), just by changing the components which are in contact with the fluid.

Stainless steel bended pipes with M 1/2" outlet to facilitate the mounting of the hose and for a smoother fluid output, avoiding bottlenecks.



Art.no. **090060**  
for hose reels with Ø 320 mm internal drum diameter.

Art.no. **090061**  
for hose reels with Ø 264 mm internal drum diameter.



Art.no. **090060** Art.no. **090061**



Art. no.	Inlet connection thread	Outlet connection thread	Internal diameter inlet swivel joint	Material swivel joint body
<b>9996</b>	3/4" BSP (F)	1/2" BSP (M)	12 mm	Galvanized steel
<b>9997</b>	3/4" BSP (F)	1/2" BSP (M)	12 mm	Stainless steel AISI 304





## TOWER CONNECTION

90° degrees curve with hinge for Ø 1" hose reel for an easy connection of the hose and facilitate the fluid flow without bottlenecks.

This new model allows you to mount the bend directly on the hose's thread, fasten it on the hinge and assemble it on the hose reel.

Available in galvanized steel and AISI 304 stainless steel, which, combined to the swivel joints, also allow the use of painted hose reels in applications where the fluid requires passages in stainless steel (e.g. water, AdBlue®/DEF/AUS32, etc.). They are available in different heights for hose reels with drum diameter 250mm or 335mm.



Art.no. for Drum 250 mm	Art.no. for Drum 335 mm	IN connection	OUT connection	Ø	Material
<b>9975</b>	<b>9975L</b>	F 1" BSP	M 3/4" BSP	19 mm	GALVANIZED STEEL
<b>9976</b>	<b>9976L</b>	F 1" BSP	M 1" BSP	19 mm	GALVANIZED STEEL
<b>9993</b>	<b>9993L</b>	F 1" BSP	M 3/4" BSP	19 mm	GALV. STEEL/ANOD. ALUMINUM
<b>9998</b>	<b>9998L</b>	F 1" BSP	M 1" BSP	19 mm	GALV. STEEL/ANOD. ALUMINUM
<b>1093</b>	<b>1093L</b>	F 1" BSP	M 3/4" BSP	19 mm	AISI 304 STAINLESS STEEL
<b>1094</b>	<b>1094L</b>	F 1" BSP	M 1" BSP	19 mm	AISI 304 STAINLESS STEEL
<b>1190</b>	<b>1190L</b>	F 3/4" BSP	M 1/2" BSP	12 mm	AISI 304 STAINLESS STEEL
<b>1191</b>	<b>1191L</b>	F 3/4" BSP	M 3/8" BSP	12 mm	AISI 304 STAINLESS STEEL
<b>1192</b>	<b>1192L</b>	F 3/4" BSP	M 1/4" BSP	12 mm	AISI 304 STAINLESS STEEL



## GOOSENECK

"Goose neck" bend with hinge for an easy connection of the hose and facilitate the fluid flow without bottlenecks.

Available in galvanized steel and AISI 304 stainless steel, which, combined with swivel joints, also allow the use of painted hose reels in applications where the fluid requires passages in stainless steel (e.g. water, AdBlue®/DEF/AUS32, etc.).

Art.no. **9942-9943** for hose reel with 250 mm drum.

Art.no. **9942L-9943L** for hose reel with 335 mm drum.



Art.no.	IN connection	OUT connection	Ø	Material
<b>9942</b>	F 1" BSP	M 3/4" BSP	19 mm	AISI 304 STAINLESS STEEL
<b>9943</b>	F 1" BSP	M 1" BSP	20 mm	AISI 304 STAINLESS STEEL
<b>9942L</b>	F 1" BSP	M 3/4" BSP	19 mm	AISI 304 STAINLESS STEEL
<b>9943L</b>	F 1" BSP	M 1" BSP	20 mm	AISI 304 STAINLESS STEEL



## ROLLER SPHERE

Stainless steel swivel joints for Ø 1 1/4" and Ø 1 1/2" hose reels with fixed shaft and swivel support with built-in curve.

Art.no. **9946** for hose reel with 335 mm drum.

Art.nos. **9945** e **9946** are joints inside the roller with a fixed hinge.

Art.nos. **9947** and **9950** are swivel joints with external application and rotation of the joint itself.



Art.no.	IN connection	OUT connection	P. Max	T. Max	Ø	Gasket	Pin length	Material
<b>9945</b>	M 1 1/4" BSP	M 1 1/2" BSP	20 bar	100° C	33 mm	Viton® NBR	80 mm	AISI 304
<b>9946</b>	M 1 1/4" BSP	M 1 1/4" BSP	20 bar	100° C	26 mm	Viton® NBR	80 mm	AISI 304
<b>9947</b>	M 1 1/2" BSP	M 1 1/4" BSP	20 bar	100° C	25 mm	Viton® NBR	75 mm	AISI 304
<b>9950</b>	M 1 1/2" BSP	M 1 1/2" BSP	20 bar	100° C	32 mm	Viton® NBR	75 mm	AISI 304

The range of **OMPI** reels is made in two different versions depending on the type of hose mounted in the drum:

- **Short gap roller** (standard, provides a 90° bend of the hose).
- **Long gap roller** (requires assembly of the hose aligned with the drum without bending).

Where high pressure hoses (with metal braid) are used, it is recommended to choose the roller with Short gap, meanwhile, to fit low pressure hoses (with textile braid), choose the roller with long gap and Tower Connection curve which permit to align the hose on the drum without causing bottlenecks.

## SHORT GAP DRUM

Standard for hoses up to 1/2" at high pressure



The hose is mounted directly on the hinge via an adapter (nipples): in this way the hose is bent 90°. Indicate the diameter of the hose.



## LONG GAP DRUM

Standard for 1/4" up to 1" low pressure hoses



The hose reel is supplied with the curve TOWER CONNECTION to allow the hoses to align correctly, avoiding bending and bottlenecks. Indicate the diameter of the pipe.



**Art.no. 9862** Adapter for joint  
Ø 1/2" from  
mount on Ø 1" pin.



**WHEN ORDERING HOSE REELS FOR HOSE APPLICATIONS AT LOW PRESSURE IT IS NECESSARY TO INDICATE THE DRUM MODEL WITH LONG GAP BP + THREAD DIAMETER.**

**Example: AF4213150BP (low pressure version).**



## HIGH PRESSURE 90° SWIVEL JOINTS FOR PAINTED 1/2" HOSE REELS

Art.no.	Description	Int. Ø	Connection	Bush kit code	Seal material	Max pressure	Temperature
<b>90° STEEL SWIVEL JOINTS 1/2"</b>							
<b>9951</b>	STEEL WIVEL JOINT 1/2"G M	10 mm	1/2"G M	990036 + 065518	BRASS+PU	600 bar	60°C
<b>9951-NPT</b>	STEEL WIVEL JOINT 1/2"NPT F	10 mm	1/2"NPT F	990036 + 065518	BRASS+PU	600 bar	60°C
<b>9952</b>	STEEL WIVEL JOINT 1/2"G M	12 mm	1/2" G M	990136 + 99PO12	BRASS+PU	200 bar	60°C
<b>9952-NPT</b>	STEEL WIVEL JOINT 1/2"NPT F	12 mm	1/2"NPT F	990136 + 99PO12	BRASS+PU	200 bar	60°C
<b>9954</b>	STEEL WIVEL JOINT 1/2"G F	10 mm	1/2"G F	990036 + 065518	BRASS+PU	600 bar	60°C
<b>9957</b>	STEEL WIVEL JOINT 1/2"G M	10 mm	1/2"G M	991118 + 06EP18	INOX+EDPM	200 bar	60°C
<b>90° STAINLESS STEEL (AISI 303) SWIVEL JOINTS 1/2"</b>							
<b>9956</b>	S/S AISI 303 SWIVEL JOINT 1/2"G F	12 mm	1/2"G F	9937	VITON®+EPDM	200 bar	150°C
<b>9960K</b>	S/S AISI 303 SWIVEL JOINT 1/2"G M22	10 mm	M22x1.5	9932	VITON®+EPDM	200 bar	150°C
<b>9960K-400</b>	S/S AISI 303 SWIVEL JOINT 1/2"G M	10 mm	M22x1.5	9933	VITON®+FIBERGLASS	400 bar	150°C
<b>9961</b>	S/S AISI 303 SWIVEL JOINT 1/2"G M	10 mm	1/2"G M	9933	VITON®+FIBERGLASS	400 bar	150°C
<b>9964</b>	S/S AISI 303 SWIVEL JOINT 1/2"G F	10 mm	1/2"G F	9932	VITON®+EPDM	200 bar	150°C
<b>9964-400</b>	S/S AISI 303 SWIVEL JOINT 1/2"G F	10 mm	1/2"G F	9933	VITON®+FIBERGLASS	400 bar	150°C
<b>9964-NPT</b>	S/S AISI 303 SWIVEL JOINT 1/2"NPT F	10 mm	1/2"NPT F	9932	VITON®+EPDM	200 bar	150°C
<b>9966T.F.</b>	S/S AISI 303 SWIVEL JOINT 1/2"G M	10 mm	1/2"G M	9918	VITON®+PTFE+BRASS	600 bar	150°C
<b>9967</b>	S/S AISI 303 SWIVEL JOINT 1/2"G M	12 mm	1/2"G M	9937	VITON®+EPDM	200 bar	150°C
<b>9968</b>	S/S AISI 303 SWIVEL JOINT 1/2"G M	10 mm	1/2" G M	9932	VITON®+EPDM	200 bar	150°C
<b>90° STAINLESS STEEL (AISI 316) SWIVEL JOINTS 1/2"</b>							
<b>9962</b>	S/S AISI 316 SWIVEL JOINT 1/2"G M	10 mm	1/2"G M	9934	VITON®+FIBERGLASS	400 bar	150°C
<b>9962-ST</b>	S/S AISI 316 COAXIAL SWIVEL JOINT	10 mm	1/2"NPT F	9934	VITON®+FIBERGLASS	400 bar	150°C
<b>9962N</b>	S/S AISI 316 SWIVEL JOINT 1/2"NPT F	10 mm	1/2"NPT F	9934	VITON®+FIBERGLASS	400 bar	150°C
<b>9962-600TF</b>	S/S AISI 316 SWIVEL JOINT 1/2"G M	10 mm	1/2"G M	9916	VITON®+PTFE+BRASS	600 bar	150°C
<b>90° BRASS SWIVEL JOINTS 1/2"</b>							
<b>9988</b>	BRASS SWIVEL JOINT 3/8"G F	10 mm	3/8"G F	990036 + 065518	BRASS+PU	200 bar	60°C

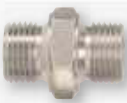
## HIGH PRESSURE 90° SWIVEL JOINTS FOR PAINTED 1" HOSE REELS

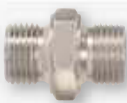
Art.no.	Description	Int. Ø	Connection	Bush kit code	Seal material	Max pressure	Temperature
<b>90° STEEL SWIVEL JOINTS 1"</b>							
<b>9970F</b>	STEEL WIVEL JOINT 1"G M	19 mm	1" G M	KIT99VIFE	FKM (VITON®)	20 bar	60° C
<b>9974</b>	STEEL WIVEL JOINT 1"G F	19 mm	1" G F	KIT99VIFE	FKM (VITON®)	20 bar	60° C
<b>9979</b>	STEEL WIVEL JOINT 1"G M	19 mm	1" G M	KIT99TEFE	FFKM+VITON®	20 bar	60° C
<b>90° STAINLESS STEEL (AISI 303) SWIVEL JOINTS 1"</b>							
<b>9970</b>	S/S AISI 303 SWIVEL JOINT 1"G M	19 mm	1" G M	KIT99VI303	FKM (VITON®)	100 bar	100° C
<b>9970-NPT</b>	S/S AISI 303 SWIVEL JOINT 1"NPT M	19 mm	1" NPT M	KIT99VI303	FKM (VITON®)	100 bar	100° C
<b>9977</b>	S/S AISI 303 SWIVEL JOINT 1"G F	19 mm	1" G F	KIT99VI303	FKM (VITON®)	100 bar	100° C
<b>9978</b>	S/S AISI 303 SWIVEL JOINT 1"G M	19 mm	1" G M	KIT99TEOT	BRASS+VITON®+FFKM	100 bar	100° C
<b>9984</b>	S/S AISI 303 SWIVEL JOINT 1"G M	19 mm	1"G M	KIT99EP303	EPDM	100 bar	100° C
<b>9987</b>	S/S AISI 303 SWIVEL JOINT 1"G M	19 mm	1" G M	KIT99TE303	FFKM+VITON®	100 bar	100° C
<b>90° STAINLESS STEEL (AISI 316) SWIVEL JOINTS 1"</b>							
<b>9981</b>	S/S AISI 316 SWIVEL JOINT 1"G M	19 mm	1"G M	KIT99TE316	FFKM+FKM (VITON®)	100 bar	100° C
<b>9981N</b>	S/S AISI 316 SWIVEL JOINT 3/4"NPT F	19 mm	3/4"NPT F	KIT99TE316	FFKM+FKM (VITON®)	100 bar	100° C
<b>9981F</b>	S/S AISI 316 SWIVEL JOINT 1"G F	19 mm	1"G F	KIT99TE316	FFKM+FKM (VITON®)	100 bar	100° C
<b>9981-STM</b>	S/S AISI 303 COAXIAL SWIVEL JOINT AISI 316 1"NPT M	19 mm	1"NPT M	KIT99TE316	FFKM+FKM (VITON®)	100 bar	100° C
<b>9981NPT</b>	S/S AISI 316 SWIVEL JOINT 1"NPT M	19 mm	1"NPT M	KIT99TE316	FFKM+FKM (VITON®)	100 bar	100° C
<b>9989</b>	S/S AISI 316 SWIVEL JOINT 1"G M	19 mm	1"G M	KIT99TT316	FFKM	100 bar	100° C
<b>9995</b>	S/S AISI 316 COAXIAL SWIVEL JOINT 3/8" M	8 mm	3/8"G M	809948	PK100-CN	800 bar	100° C


Suitable for the adjustment of the desired hose length outside the reel and for stopping the hose at the required position when rewinding.






Art.no.	Ø hose	Ø bumper (mm)
<b>37004</b>	3/4"	26
<b>37005</b>	1"	33
<b>37001</b>	1/4"	15
<b>37002</b>	3/8"	17
<b>37003</b>	1/2"	20



Art. no.	Thread dimensions	Thread type	Description	Type
<b>4223</b>	1/4" x 1/4"	<b>BSP</b>	Double male connection adapter in galvanized steel.	
<b>9910</b>	1/2" x 1/2"			
<b>9911</b>	1/2" x 3/8"			
<b>9912</b>	1/2" x 1/4"			
<b>9915</b>	1/2" x 3/4"			
<b>9924</b>	1" x 3/4"			
<b>9925</b>	3/4" x 3/4"			
<b>9927</b>	1" x 1"			
<b>9928A</b>	1" x 1/2"	<b>BSP</b>	Double male connection adapter in stainless steel.	
<b>9999</b>	1 1/4" x 1"			
<b>9908</b>	1/2" x 1/2"			
<b>9909</b>	1/2" x 3/8"			
<b>9907</b>	1/2" x 3/4"			
<b>9917</b>	3/4" x 3/4"			
<b>9920</b>	1" x 1"			
<b>9919</b>	1/2" - 22x1,5			


Art. no.	Thread dimensions	Thread type	Description	Type
<b>4223N</b>	1/4" x 1/4"	<b>BSP - NPT</b>	Double male connection adapter in galvanized steel.	
<b>9910N</b>	1/2" x 1/2"			
<b>9911N</b>	1/2" x 3/8"			
<b>9912N</b>	1/2" x 1/4"			
<b>9915N</b>	1/2" x 3/4"			
<b>9924N</b>	1" x 3/4"			
<b>9904N</b>	3/4" x 3/4"			
<b>9927N</b>	1" x 1"			
<b>9928N</b>	1" x 1/2"	<b>BSP - NPT</b>	Double male connection adapter in stainless steel.	
<b>9999N</b>	1 1/4" x 1"			
<b>9908N</b>	1/2" x 1/2"			
<b>9909N</b>	1/2" x 3/8"			
<b>9907N</b>	1/2" x 3/4"			
<b>9917N</b>	3/4" x 3/4"			
<b>9920N</b>	1" x 1"			
<b>9919N</b>	1/2" - 22x1,5			


Art. no.	Thread dimensions	Thread type	Description	Type
<b>4229</b>	1/4" x 1/4"	<b>BSP</b>	Male - Female swivel connection adapter in galvanized steel.	
<b>9901</b>	1/2" x 1/2"			

Art. no.	Thread dimensions	Thread type	Description	Type
<b>4229N</b>	1/4" x 1/4"	<b>BSP - NPT</b>	Male - Female swivel connection adapter in galvanized steel.	
<b>9901N</b>	1/2" x 1/2"			


Art. no.	Thread dimensions	Thread type	Description	Type
<b>4231</b>	1/4" x 1/4"	<b>BSP</b>	Male - Female connection adapter in galvanized steel.	
<b>9905</b>	1/2" x 1/4"			
<b>9906</b>	1/2" x 3/8"			
<b>9902</b>	1/2" x 1/2"			
<b>9903</b>	1/2" x 3/4"			
<b>9916A</b>	1/2" x 1/2"	<b>BSP</b>	Female - Female connection adapter in galvanized steel.	


Art. no.	Thread dimensions	Thread type	Description	Type
<b>4231N</b>	1/4" x 1/4"	<b>BSP - NPT</b>	Male - Female connection adapter in galvanized steel.	
<b>9905N</b>	1/2" x 1/4"			
<b>9906N</b>	1/2" x 3/8"			
<b>9902N</b>	1/2" x 1/2"			
<b>9903N</b>	1/2" x 3/4"			
<b>9916N</b>	1/2" x 1/2"	<b>BSP - NPT</b>	Female - Female connection adapter in galvanized steel.	

Art. no.	Thread dimensions	Thread type	Description	Type
<b>4232</b>	1/4" x 1/4"	<b>BSP</b>	90°- curved Male - female connection adapter, in galvanized steel.	
<b>9939A</b>	1/2" x 1/2"			

Art. no.	Thread dimensions	Thread type	Description	Type
<b>4232N</b>	1/4" x 1/4"	<b>BSP - NPT</b>	90°- curved Male - female connection adapter, in galvanized steel.	
<b>9939N</b>	1/2" x 1/2"			

Hydraulic quick couplings and quick connectors male/female with BSP or NPT - connection threads.

Art. no. M + F	Art. no. M	Art. no. F	Thread dimension	Thread type	Type
<b>4222</b>	<b>4222M</b>	<b>4222F</b>	1/4"	<b>BSP</b>	
<b>2261</b>	<b>2261M</b>	<b>2261F</b>	1/2"		
<b>2262</b>	<b>2262M</b>	<b>2262F</b>	3/8"		
<b>2263</b>	<b>2263M</b>	<b>2263F</b>	3/4"		
<b>2264</b>	<b>2264M</b>	<b>2264F</b>	1"		

Art. no. M	Art. no. F	Thread dimension	Thread type	Type
<b>4222M-NPT</b>	<b>4222F-NPT</b>	1/4"	<b>NPT</b>	
<b>2261M-NPT</b>	<b>2261F-NPT</b>	1/2"		
<b>2262M-NPT</b>	<b>2262F-NPT</b>	3/8"		
<b>2263M-NPT</b>	<b>2263F-NPT</b>	3/4"		
<b>2264M-NPT</b>	<b>2264F-NPT</b>	1"		





High pressure rubber hoses in accordance with SAE 100 R1AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **oils** and **diesel** at high pressure.

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 1 steel wire braided, highly resistant layer.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>200XX</b>	3/8"	10 mm	17,4 mm	180 bar	720 bar	130 mm	-40/+100°C	0,33 kg/m
<b>310XX</b>	1/2"	12,7 mm	20,6 mm	160 bar	640 bar	180 mm	-40/+100°C	0,43 kg/m
<b>400XX</b>	3/4"	19,0 mm	27,7 mm	105 bar	420 bar	240 mm	-40/+100°C	0,61 kg/m
<b>316XX</b>	1"	25,4 mm	35,6 mm	88 bar	350 bar	300 mm	-40/+100°C	0,94 kg/m

**XX**= stands for the required hose length in meters (f. ex. 310**15** = 15 m)



High pressure rubber hoses in accordance with SAE 100 R2AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **grease** and **water** at high pressure.

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 2 steel wire braided, highly resistant layers.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>810XX</b>	1/4"	6,4 mm	15 mm	400 bar	1600 bar	100 mm	-40/+100°C	0,36 kg/m
<b>820XX</b>	3/8"	9,5 mm	19 mm	330 bar	1320 bar	130 mm	-40/+100°C	0,53 kg/m
<b>830XX</b>	1/2"	12,7 mm	22,2 mm	275 bar	1100 bar	180 mm	-40/+100°C	0,63 kg/m
<b>850XX</b>	3/4"	19 mm	29,3 mm	215 bar	850 bar	240 mm	-40/+100°C	0,92 kg/m
<b>860XX</b>	1"	25,4 mm	38,1 mm	165 bar	650 bar	300 mm	-40/+100°C	1,38 kg/m

**XX**= stands for the required hose length in meters (f. ex. 810**15** = 15 m)



High pressure, **blue antistaining rubber hoses**, in accordance with SAE 100 R2AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **water** at high pressure (f. ex. in combination with high pressure cleaners).

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 2 steel wire braided, highly resistant layers.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>260XX</b>	5/16"	7,9 mm	15 mm	400 bar	1600 bar	85 mm	-10/+160°C	0,36 kg/m
<b>230XX</b>	3/8"	9,5 mm	18 mm			90 mm		0,46 kg/m
<b>240XX</b>	1/2"	12,7 mm	22,2 mm			100 mm		0,63 kg/m

**XX**= stands for the required hose length in meters (f. ex. 230**15** = 15 m)



Low pressure rubber hoses in accordance with SAE 100 R6 – DIN EN 854, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **diesel** and **water** at low pressure.

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 1 textile braided and 1 steel wire braided layer.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>650XX</b>	3/4"	19 mm	26 mm	10 bar	97 bar	140 mm	-40/+100°C	0,32 kg/m
<b>740XX</b>	1"	25 mm	32 mm	10 bar	97 bar	152 mm	-40/+100°C	0,43 kg/m
<b>770XX</b>	1 1/4"	32 mm	43 mm	10 bar	40 bar	185 mm	-40/+100°C	1,02 kg/m
<b>780XX</b>	1 1/2"	38 mm	50 mm	10 bar	40 bar	225 mm	-40/+100°C	1,60 kg/m

**XX**= stands for the required hose length in meters (f. ex. 650**15** = 15 m)



Low pressure synthetic rubber hoses with swaged female BSP connection threads (swivel nuts) in brass (on demand also in stainless steel), suitable for the use with **hot water** in food industry applications.

Internal structure white, food industry – qualified synthetic rubber, coating in blue rubber highly resistant to abrasion, heat, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. In accordance with FDA food industry standards.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>210XX</b>	1/2"	12 mm	22 mm	10 bar	30 bar	100 mm	-30/+120°C	0.3 kg/m
<b>270XX</b>	3/4"	19 mm	31 mm			112 mm		0.7 kg/m
<b>290XX</b>	1"	25 mm	37 mm			152 mm		0.9 kg/m

**XX**= stands for the required hose length in meters (f. ex. 210**15** = 15 m)



Low pressure hoses in hydrocarbon resistant black rubber with swaged female BSP connection threads (swivel nuts), suitable for the use with **petrol, unleaded petrol and diesel** in accordance with norm **EN 1360 type 1 ISO 1307**.

Smooth internal structure in black nitrile rubber, resistant to hydrocarbons. Cover in conductive black rubber, highly resistant to oils, abrasion, ozone and atmospheric influences. Reinforcement with high tenacity textile inserts and antistatic copper cord.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>930XX</b>	1/2"	12.7 mm	21.5 mm	16 bar	48 bar	50 mm	-30/+55°C	0.29 kg/m
<b>940XX</b>	3/4"	19 mm	29 mm			95 mm		0.48 kg/m
<b>950XX</b>	1"	25.4 mm	36.5 mm			130 mm		0.69 kg/m

**XX**= stands for the required hose length in meters (f. ex. 930**15** = 15 m)



Low pressure hoses in hydrocarbon resistant black rubber with swaged female BSP connection threads (swivel nuts), suitable for the use with **fuels** and **petrol** in accordance with norm **EN 1761**.

Smooth internal structure in black rubber, resistant to hydrocarbons with an aromatic content of not more than 60 % and unleaded petrol with a max MTBE - content of 5 %. Cover in conductive black rubber, highly resistant to abrasion, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. Resistant to inflammability in accordance with code of practice for flammable fluids TRbF 131, part 2, no. 5.5.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>290XX</b>	1"	25 mm	38 mm	18 bar	81 bar	182 mm	-30/+70°C	0.85 kg/m

**XX**= stands for the required hose length in meters (f. ex. 290**15** = 15 m)



Low pressure synthetic EPDM rubber hoses with swaged female BSP connection threads (swivel nuts) in stainless steel, suitable for the use with **AdBlue®/DEF/AUS32, water at low and high temperatures, chemical fluids, acids, glycol and compressed air** at low pressure. Internal structure in conductive black rubber, cover in black rubber, highly resistant to abrasion, heat, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. In accordance with norm BS 2050:1978.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>2897XX</b>	1/2"	13 mm	21 mm	20 bar	60 bar	100 mm	-40/+120°C	0.26 kg/m
<b>288XX</b>	3/4"	19 mm	30 mm			112 mm		0.57 kg/m

**XX**= stands for the required hose length in meters (f. ex. 288**15** = 15 m)



Low pressure, blue PVC – hoses with swaged female BSP connection threads (swivel nuts) in brass, suitable for the use with **compressed air** and **water** at low pressure. Reinforcement with highly break resistant polyester cord.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>460XX</b>	3/8"	10 mm	16.5 mm	40 bar	120 bar	30 mm	-15 / +50°C	0.19 kg/m
<b>450XX</b>	1/2"	13 mm	20 mm	40 bar	120 bar	40 mm	-15 / +50°C	0.25 kg/m
<b>440XX</b>	3/4"	19 mm	28 mm	40 bar	120 bar	75 mm	-15 / +50°C	0.47 kg/m
<b>211XX</b>	1"	25 mm	36 mm	40 bar	120 bar	110 mm	-15 / +50°C	0.84 kg/m

**XX**= stands for the required hose length in meters (f. ex. **45015** = 15 m)



Polyurethane hose with high tenacity polyester yarn reinforcement. Very light and flexible even at low temperatures; high resistance to abrasion and bending.

Art. no.	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>420XX</b>	8 mm	12 mm	20 bar	60 bar	40 mm	-40 / +80°C	0.75 kg/m

**XX**= stands for the required hose length in meters (f. ex. **42015** = 15 m)



Flexible rubber hoses, suitable for the transport of **MINERAL OILS, DIESEL** and **ECOLOGICAL GASOLINE**.

Smooth substrate in black NBR rubber resistant to petroleum products, reinforcement with inserts of high resistance synthetic yarns, antistatic black nitrile rubber cover resistant to abrasion, fuels, oils and atmospheric agents.

Compatible with fluids in accordance with EN 590: 2010.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>610XX</b>	3/4"	19 mm	27 mm	10 bar	30 bar	150 mm	-20 / +80°C	0.40 kg/m
<b>710XX</b>	1"	25 mm	35 mm	10 bar	30 bar	150 mm	-20 / +80°C	0.66 kg/m

**XX**= stands for the required hose length in meters (f. ex. **61015** = 15 m)



Flexible hoses in thermoplastic rubber based on PVC, PU and two-layer nitrile rubber with spiral in built-in galvanized steel and polyester fiber reinforcement.

Suitable for the transport of **OILS, BLUE DIESEL, DIESEL** and **BIO DIESEL**.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
<b>620XX</b>	3/4"	19 mm	28 mm	12 bar	48 bar	70 mm	-25 / +55°C	0.45 kg/m
<b>716XX</b>	1"	25 mm	35.5 mm	12 bar	48 bar	80 mm	-25 / +55°C	0.67 kg/m

**XX**= stands for the required hose length in meters (f. ex. **62015** = 15 m)

Sprayers with container in painted steel for the spraying of detergents and low viscosity lubricating oils. The units can be used autonomously after a pressurization of the container with compressed air at 3 – 7 bar pressure. The delivery depends on the used nozzle. All units are equipped with a security valve calibrated at max. 7 bar. It is recommended to pressurize the container again when 4/5 of the total capacity have been dispensed.

Art.no. **50125**

Mobile pressure sprayer in painted steel, with container of 24 l capacity and two wheels, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>50125</b>	7 bar	24 l	1/4" BSP (M)	11 Kg	370x340x820

Art.no. **50129**

Mobile pressure sprayer in painted steel, with container of 40 l capacity and two wheels, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>50129</b>	5 bar	40 l	1/4" BSP (M)	15 Kg	400x430x1020



Sprayers with container in stainless steel for the spraying of detergents. The units can be used autonomously after a pressurization of the container with compressed air at 3 – 7 bar pressure. The delivery depends on the used nozzle. All units are equipped with a security valve calibrated at max. 7 bar. It is recommended to pressurize the container again when 4/5 of the total capacity have been dispensed.

Art.no. **50124**

Mobile pressure sprayer in stainless steel **AISI 304**, with container of 24 l capacity and two wheels, equipped with level gauge, antislash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.

Art.no. **50126**

Mobile pressure sprayer in stainless steel **AISI 316**, with container of 24 l capacity and two wheels, equipped with level gauge, antislash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>50124</b>	7 bar	24 l	1/4" BSP (M)	11 Kg	370x340x820
<b>50126</b>					

Art.no. **50156**

Mobile pressure sprayer in stainless steel **AISI 304**, with container of 40 l capacity and two wheels, equipped with level gauge, antislash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.

Art.no. **50152**

Mobile pressure sprayer in stainless steel **AISI 316**, with container of 40 l capacity and two wheels, equipped with level gauge, antislash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>50156</b>	5 bar	40 l	1/4" BSP (M)	15 Kg	400x430x1020
<b>50152</b>					

Art.no. **50127**

Portable pressure foamer in stainless steel AISI 304, with container of 24 l capacity, equipped with level gauge, antisplash funnel, 5 m – polyurethane hose, diameter 8 x 12 mm, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>50127</b>	7 bar	24 l	1/4" BSP (M)	11 Kg	400x310x700

Art.no. **50155**

Portable pressure foamer in stainless steel AISI 304, with container of 40 l capacity, equipped with level gauge, antisplash funnel, 5 m – polyurethane hose, diameter 8 x 12 mm, spray gun and lance with nozzle.

On demand also available in stainless steel AISI 316.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>50155</b>	5 bar	40 l	1/4" BSP (M)	16 Kg	400x430x1020

Art.no. **50157**

Mobile pressure sprayer in stainless steel AISI 304, with container of 24 l capacity and two wheels, equipped with level gauge, 7.5 m – spiral hose, spray gun, lance with nozzle and with detachable wide cover that enables the user to check and to clean easily the internal surface of the container.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>50157</b>	7 bar	24 l	1/4" BSP (M)	12 kg	450x450x900

Art.no. **50105**

Mobile pressure sprayer, composed of two wheels trolley with transportation base for plastic cans, pneumatic 1:1 – stainless steel piston pump, suction hose, 7.5 m – spiral hose, diameter 8 x 12 mm, rack for hose storage during transportation, spray gun and lance with nozzle.



Art. no.	Compressed air supply	Compression ratio	Outlet pressure	Connection threads	Weight	Dimensions (LxWxH) (mm)
<b>50105</b>	2 - 8 bar	1:1	2 – 8 bar	1/4" BSP (M)	19 kg	430x440x900

Art.no. **50123**

## FOAMER SPRAYER HYDRA

Foamer and sprayer unit HYDRA, wall-mounting version, designed for the mixture of water with detergents and for the generation of foam at low pressure.

These systems are an alternative to the classical pressure sprayers and offer the following advantages:

- Suction of the detergent directly from the can with the pure fluid guarantees a high autonomy in work;
- The included switchboard allows an accurate adjustment of the mixing proportion between detergent and water.

The unit is composed of a pneumatic 3:1 – stainless steel piston pump, spraying gun, spray lance with nozzle, 10 m – polyurethane hose, diameter 8 x 12 mm, with connections in stainless steel, cabinet in stainless steel AISI 304 and wall-mounting bracket.

Art. no.	Compressed air supply	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
<b>50123</b>	2-5 bar	6-15 bar	19.5 Kg	400x160x600

Art.no. **12005**

Portable pressure sprayer, with 230 VAC - electric pump in stainless steel including adjustable pressure switch, suction hose including non-return valve for the direct suction from the plastic can with the fluid and 5 m – spiral hose, spray gun and lance with nozzle. The sprayer guarantees a high operational autonomy.

Optionally it is also possible to combine this pressure sprayer with a hose reel of series EASY ROLLER (art.no. 35815 or also 35820) in order to extend the spraying area up to a distance of 20 m.

Art. no.	Voltage	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
<b>12005</b>	230 VAC – 50 Hz	4-6 bar	12 Kg	300x170x500



Art.no. **50110**

Spray gun with lance, suitable for the use with pressure sprayers, with tube in stainless steel and plastic, fan-shaped nozzle.

Art.no. **50111**

Foamer gun with lance, suitable for the use with pressure sprayers, with tube in stainless steel and plastic.

Art. no.	Max working pressure	Max flow	Max working temperature	Connection threads	Lance length	Weight
<b>50110</b>	15 bar	30 l/min	50°C	1/2" BSP (F)	600 mm	0.31 kg
<b>50111</b>						



Art.no. **50107**

Wash gun with lance for hot water high pressure cleaners, with extension and stainless steel nozzle.

Art. no.	Max working pressure	Max flow	Max. working temperature	Nozzle	Connection threads	Length extension	Weight
<b>50107</b>	160 bar	30 l/min	100°C	Ø 0.45 – 25°	3/8" BSP (M)	700 mm	0.92 kg



Art.no. **40610**

Wash gun for hot water high pressure cleaners with quick coupling.

Art.no. **40611**

High pressure wash lance in stainless steel with extension, length 700 mm, and stainless steel nozzle (0.45 – 25°).

Art. no.	Max working pressure	Max flow	Max. working temperature	Connection threads	Weight
<b>40610</b>	350 bar	40 l/min	160°C	M 22 x 1.5	0,90 kg
<b>40611</b>	280 bar			Rapido sfera	0,60 kg
<b>40613</b>	160 bar	20 l/min	60°C		0,57 kg



Art.no. **50122**



Art.no. **50132**



Art.no. **50133**



Art.no. **50120**



Art.no. **50121**



Art.no. **50134**



Art.no. **50136**

Art.no. **50122**

Plastic fan-shaped nozzle, suitable for the use with pressure sprayers, Ø 1.1 mm, with 110° flat-fan pattern, including strainer in stainless steel and plastic impact protection.

Art.no. **50132**

Stainless steel foam nozzle, flow rate 16 l/min, connection 1/2" BSP (M), max. pressure 25 bar.

Art.no. **50133**

Stainless steel foam nozzle, flow rate 10 l/min, connection 1/2" BSP (M), max. pressure 25 bar.

Art.no. **50121**

Plastic (PPS and GF) foam nozzle, flow rate 17 l/min (at 3 bar), with 55° flat-fan pattern.

Art.no. **50120**

Plastic fan-shaped nozzle, suitable for the use with pressure sprayers, Ø 1.1 mm, with 110° flat-fan pattern, max. pressure 15 bar.

Art.no. **50134**

Stainless steel fan-shaped nozzle, suitable for the use with pressure sprayers, Ø 1.1 mm, with 110° flat-fan pattern, max. pressure 25 bar.

Art.no. **50136**

Super foam head nozzle (PP and GF), with flat-fan pattern, max. pressure 15 bar, connection 1/2" BSP (M).





Art.no. 50130



Art.no. 50135

Art.no. 50135  
Art.no. 50130

Heavy duty water gun, suitable for the use with cold and hot water at low pressure, with trigger guard, and adjustable spraying nozzle. Body in brass and coating in blue rubber.

Art. no.	Max working pressure	Max flow	Max working temperature	Connection threads	Weight
50135	25 bar	60 l/min	90°C	1/2" BSP (F)	0.94 kg
50130	12 bar	50 l/min	80°C		0.44 kg



Art.no. 7145201



Art.no. 71452

Art.no. 7145201

Low pressure water gun handle, body in plastic (PP and GF), gaskets in Viton®, valve and spring in stainless steel AISI 316, connection threads 1/2" BSP (F).

Art.no. 71452

Dispensing gun for windshield washer fluid, body in plastic (PP and GF), gaskets in Viton®, valve and spring in stainless steel AISI 316, connection threads 1/2" BSP (F).



Art.no. 50138



Art.no. 50106

Art.no. 50138

Dispensing gun for water at low pressure (max 10 bar), body in brass with coating in oil-resistant rubber, connection threads 3/8" BSP (F).

Art.no. 50106

Low pressure wash gun (max 20 bar), with regulating screw, body in nickel-plated aluminium, connection threads 1/2" BSP (F).



Art.no. 14113

Art.no. 14113

Dispensing gun, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, Viton® gaskets, connections 1/2" BSP (F), with 1/2" BSP (M) inlet swivel in stainless steel and rigid plastic outlet, Ø 16 mm.



Art.no. 6883



Art.no. 6882



Art.no. 6885



Art.no. 6884

Art.no. 6882  
Art.no. 6883  
Art.no. 6884  
Art.no. 6885

Valved quick couplings and quick connectors for the use with water at high pressure.

Art. no.	Max working pressure	Max flow	Max working temperature	Connection threads	Weight
6882	280 bar	30 l/min	90°C	3/8" BSP (M)	0.05 kg
6883				3/8" BSP (F)	0.11 kg
6884				1/2" BSP (M)	0.05 kg
6885				1/2" BSP (F)	0.11 kg



Art.no. **52460**

Mobile parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of storage container with 65 l capacity with two wheels and two castors, cleaning basin with closable and removable cover, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet. The system enables a continuous fluid circulation by pressurizing the container with compressed air at max. 0.5 bar.

Note: please use only suitable detergents and degreasing agents for the parts cleaning.



Art.no. **52300**  
Detergent for parts cleaners,  
in 20 l – plastic can

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Capacity container	Weight	Dimensions (LxWxH) (mm)
<b>52460</b>	0.5 bar	0.5 bar	60 l	65 l	42 Kg	560x700x1000



Art.no. **52400**

Mobile parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with closable and removable cover, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet and shelf for the placing of plastic cans or drums, with 4 castors.

The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 31221-OT).

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

Art.no. **52400-100**

Mobile parts cleaner in painted steel, based on art.no. 52400 with 90 l capacity.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
<b>52400</b>	1 - 4 bar	4 bar	60 l	36 Kg	560x700x810
<b>52400-100</b>			90 l	45 Kg	560x1000x810



Art.no. **52500**

Mobile parts cleaner, with closed circuit of detergent fluid, consisting of cleaning basin in stainless steel AISI 304 with closable and removable cover, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet and shelf for the placing of plastic cans or drums, with 4 castors. The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 31221-OT).

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
<b>52500</b>	1 - 4 bar	4 bar	60 l	36 Kg	560x700x810



Art.no. **52404**

Stationary parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with 4 legs and closable and removable cover, hose with shower head, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts. The system enables a continuous fluid circulation at 0.5 bar pressure by the use of an electric immersion pump.

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

	Voltage	Power	Current drain	Rpm	Protection category
<b>Pump</b>	230 VAC - 50 Hz	60 W	0.4 A	2800	IP 54
Art. no.	Max pressure	Total capacity cleaning basin	Usable capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
<b>52404</b>	0.5 bar	138 l	62 l	53 Kg	500x700x1120



Art.no. **52405**

Stationary parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with 4 legs and closable and removable cover, hose with shower head, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, wooden footboard. The system enables a continuous fluid circulation at 0.5 bar pressure by the use of an electric immersion pump. The switch-on and switch-off of the pump is made through a pedal-operated switch.

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

	Voltage	Power	Current drain	Rpm	Protection category
<b>Pump</b>	230 VAC - 50 Hz	60 W	0.4 A	2800	IP 54
Art. no.	Max pressure	Total capacity cleaning basin	Usable capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
<b>52405</b>	0.5 bar	200 l	90 l	67 Kg	500x1000x1120



Art.no. **52406**

Stationary parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with 4 legs and closable and removable cover, hose with shower head, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts. The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 31221).

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

Art. no.	Compressed air supply	Max pressure	Total capacity cleaning basin	Usable capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
<b>52406</b>	1 - 4 bar	4 bar	200 l	90 l	67 Kg	500x1000x1120



Art.no. **52450**

Stationary parts cleaner in painted steel, provided for mounting on 208 l – original detergent drums.

The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 31221-OT).

With fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
<b>52450</b>	1 – 4 bar	4 bar	50 l	36 kg	560x1000x300

Pneumatic pumps, standard series, with cylinder in stainless steel AISI 304 and EPDM , VITON® or PTFE gaskets for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.

Stainless Steel



Art.no. **22044 (EPDM)**  
Art.no. **22044-V (Viton®)**



Art.no. **22060 (EPDM)**  
Art.no. **22060-V (Viton®)**



Art.no. **22077 (EPDM)**  
Art.no. **22077-V (Viton®)**  
Art.no. **22045-TF (PTFE)**



Art.no. **22070 (EPDM)**  
Art.no. **22070-V (Viton®)**  
Art.no. **22070-TF (PTFE)**



Art.no. **22050 (EPDM)**  
Art.no. **22050-V (Viton®)**  
Art.no. **22050-TF (PTFE)**

Art. no.	22044	22044-V	22070	22070-V	22070-TF	22060	22060-V	22077	22077-V	22045-TF	22050	22050-V	22050-TF
Compressed air supply	Compressed air Min 2 Max 8 bar (30 - 116 psi)												
Compression ratio	1:1		3:1			1:1					3:1		
Outlet pressure	8 bar (116psi)		24 bar (348 psi)			8 bar (116 psi)					50 bar (725 psi)		
Delivery	35 l/min		13 l/min			40 l/min		35 l/min			13 l/min		
Connection compressed air	1/4" BSP (F)												
Connection lubricant outlet	3/4" BSP (F)		1/2" BSP (M)			3/4" BSP (F)					1/2" BSP (M)		
Max air consumption with 8 bar pressure	210 l/min												
Length suction tube	260 mm					1000 mm / 1300 mm		1000 mm					
Gaskets	EPDM	Viton®	EPDM	Viton®	PTFE	EPDM	Viton®	EPDM	Viton®	PTFE	EPDM	Viton®	PTFE
Weight	5 Kg		4 Kg			7 Kg		7 Kg			4,2 Kg		



Heavy duty pneumatic pumps, particularly designed for the supply of fluids under demanding conditions and where a high delivery is required. With cylinder in stainless steel AISI 304 and PTFE gaskets, suitable for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.

Stainless Steel



Art.no **21255EVO**



Art.no **31191**  
Art.no **31190**  
Art.no **31193**



Art.no **31195**

Art. no.	<b>21255EVO</b>	<b>31191</b>	<b>31190</b>	<b>31193</b>	<b>31195</b>
Compressed air supply	Compressed air Min 1 Max 8 bar				
Compression ratio	4:1	8:1	12:1	16:1	8:1
Outlet pressure	32 bar (464 psi)	64 bar (928 psi)	96 bar (1392 psi)	128 bar (1856 psi)	64 bar (928 psi)
Flow rate	35 l/min	30 l/min	27 l/min	15 l/min	30 l/min
Connection compressed air	1/2" BSP (F)				
Connection lubricant outlet	3/4" BSP (F)				
Max air consumption with 8 bar pressure	280 l/min	2050 l/min	1920 l/min	1800 l/min	2050 l/min
Length suction tube	260 mm	355 mm			655 mm
Diameter pneumatic piston	80 mm	100 mm	125 mm	160 mm	100 mm
Gaskets	PTFE				
Weight	12 kg	15 kg	16 kg	19 kg	16 kg



Art.no **32210**

Wall bracket in galvanized steel, suitable for the installation of heavy duty pneumatic pumps.



## Art.no 22071

Suction tube in stainless steel, ø 40 mm, length 950 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, with 208 l - drums.

## Art.no 22071-07

Suction tube in stainless steel, ø 40 mm, length 650 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, with 60 l - drums.

## Art.no 22072

Suction tube in stainless steel, ø 40 mm, length 1200 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, with tanks.

## Art.no 22083

Suction tube in stainless steel, ø 40 mm, length 1500 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, with tanks.

## Art.no 22079

Suction tube in plastic material, ø 28 mm, supplied in two parts with length 650 mm and 950 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, with drums or tanks.

## Art.no 14251

Inlet swivel, in stainless steel AISI 304, connection threads 1/2" BSP (M).



Art.no 14251 Art.no 14250 Art.no 14260

## Art.no 74561

Non-return valve in stainless steel AISI 304, suitable for in-line installations, connection threads 1/2" BSP (F).

## Art.no 74560

Non-return valve in stainless steel AISI 304, suitable for in-line installations, connection threads 1/4" BSP (F).

## Art.no 14250

Inlet swivel, in stainless steel AISI 304, connection threads 3/4" BSP (M) - 1/2" BSP (M).



Art.no 74561  
Art.no 74560

Art.no 14258

## Art.no 14260

Inlet swivel, in stainless steel AISI 304, connection threads 3/4" BSP (M) - hose tail ø 20 mm.

## Art.no. 14258

Stainless steel (AISI 303) automatic anti-drip nozzle ø 16 mm. Connection F 3/8" BSP.

Manual pumps with suction tube in stainless steel AISI 304, suitable for the transfer of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.



Art.no **22080**

Lever action, single acting drum pump in stainless steel, flow rate 8 l/min, with curved rigid outlet, bung adapter for the fixation on drum and gaskets in Viton®.

Art.no **22095**

Lever action, single acting drum pump in stainless steel, flow rate 8 l/min, with curved rigid outlet, bung adapter for the fixation on drum and gaskets in PTFE.



Art.no **22095UR**

Lever action, single acting drum pump in stainless steel, art. no. 22095, flow rate 8 l/min, with 4 m – delivery hose and rigid outlet in stainless steel, bung adapter for the fixation on drum and gaskets in PTFE.

Art. no.	Flow rate/min	Delivery/stroke	Length suction tube	Weight	Dimensions (LxWxH) (mm)
<b>22080</b>	8 l/min	0.13 l/stroke	930 mm	2 Kg	410x80x1350
<b>22095</b>					
<b>22095UR</b>					

Art.no **3105.0004**

Bung adapter 2"/60x2 for AdBlue® drums and tanks.





Art.no. **50311**

Portable, pneumatic tyre inflator with container of 16 l capacity, charging of compressed air manually, consisting of tyre inflating gun with pressure gauge (art. no. 40602) and 5 m – spiral hose.  
The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.



Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>50311</b>	10 Kg	300x400x810



Art.no. **50320**

Mobile, pneumatic tyre inflator with container of 24 l capacity, charging of compressed air manually, consisting of tyre inflating gun with pressure gauge (art. no. 40602) and 5 m – spiral hose.  
The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.

Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>50320</b>	12.5 Kg	380x330x780



Art.no. **50315**

Portable, pneumatic tyre inflator with container of 15 l capacity, charging of compressed air manually or automatically by the use of a MF valve installed on the handle, consisting of tyre inflating gun with pressure gauge (art. no. 40602) and 5 m – spiral hose.

The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.



Art. no.	Weight	Dimensions (LxWxH) (mm)
<b>50315</b>	10 Kg	300x400x810



Art.no. **40602**



Art.no. **40602**

Tyre inflating gun with pressure gauge  $\varnothing$  60 mm, dual pressure scale (0 – 10 bar / 0 – 140 psi), pressure release button, clip-on connector, 300 mm – rubber hose, connection 1/4" BSP (M).

Art.no. **40604**



Art.no. **40604**

Tyre inflating gun, Michelin type, with pressure gauge  $\varnothing$  80 mm in accordance with directive 86/217/EC and UNI EN 12645:2104, dual pressure scale (0 – 10 bar / 0 – 140 psi), pressure release button, clip-on connector, 1500 mm – rubber hose, connection 1/4" BSP (M).



Art.no. **40603**

Art.no. **40603**

Tyre inflating gun with precision pressure gauge  $\varnothing$  80 mm, dual pressure scale (0 – 12 bar / 0 – 140 psi), air inlet safety system, clip-on connector, 500 mm – rubber hose, connection quick coupling 1/4".

Art.no. **40605**

Art.no. **40605**

Tyre inflating gun, with digital pressure gauge, measuring units: bar – psi – kpa – kg/cm<sup>2</sup>, dual pressure scale (0.2 – 12 bar / 0 – 140 psi), resolution +/- 0.02 bar, clip-on connector, 400 mm – rubber hose, connection quick coupling 1/4".  
Power supply: lithium batteries 3 V (1.5 V x 2).



Art.no. **40612**

Art.no. **40612**

Air blow gun, body in nickel-plated aluminium, with bayonet nut connector 1/4" BSP.

Art.no. **40614**

Art.no. **40614**

Air blow gun with long rigid outlet, body in nickel-plated aluminium, with bayonet nut connector 1/4" BSP.



Art.no. **40636**

Paint spray-gun with 1L container.

Art.no. **430XX**

Spiral hose for compressed air, int.  $\varnothing$  6 mm, ext.  $\varnothing$  8 mm.  
Replace XX with the number of meters required.



Art.no. **40630**

Jet cleaning gun with 1L container, with 1/4" BSP bayonet connector.



Art.no. **40400**

Compressed air pressure regulator with manometer, air nipple 1/4" BSP (M) for hose connection and connection adapter 1/4" BSP (M - M) for the installation at the compressed air inlet of the pump.

Regulation range: 0 - 8 bar.



Art.no. **40360**



Art.no. **40305**



Art.no. **40302**

Art.no. **40360**

Art.no. **40305**

Art.no. **40302**

Combined compressed air pressure regulator with manometer and air filter with automatic bleeding, with lockable regulating screw, air nipple for hose connection and connection adapter for the installation at the compressed air inlet of the pump.

Art. no.	<b>40360</b>	<b>40305</b>	<b>40302</b>
Connection threads	1/4" BSP (M)	3/8" BSP (M)	1/2" BSP (M)
Filtration degree (microns)	20	20	20
Regulation range	0 - 8 bar	0 - 8 bar	0 - 8 bar
Max air flow (l/min.)	850	1650	2310
Collection capacity condensate (cm <sup>3</sup> )	22 cc	55 cc	100 cc
Temperature range (°C)	5 - 50°C	5 - 50°C	5 - 50°C
Dimensions (LxWxH) (mm)	42x42x198	75x63x276	75x63x276



Art.no. **40300**



Art.no. **40306**



Art.no. **40303**

Art.no. **40300**

Art.no. **40306**

Art.no. **40303**

Combined compressed air treatment kit, composed of pressure regulator with manometer, air filter with automatic bleeding, air line oil mist lubricator, lockable regulating screw, air nipple for hose connection and connection adapter for the installation at the compressed air inlet of the pump.

Art. no.	<b>40300</b>	<b>40306</b>	<b>40303</b>
Connection threads	1/4" BSP (M)	3/8" BSP (M)	1/2" BSP (M)



Art.no. **40420**



Art.no. **40430**



Art.no. **40435**

Art.no. **40420**

Air valve 3/4" BSP (M + F).

Art.no. **40430**

Air valve 1/4" BSP (M + F).

Art.no. **40435**

1/4" BSP (M) quick air coupler.

Art.no. **40434**

1/4" BSP (M) fitting with milled nut.



Art.no. **40434**



Art.no. **40436**



Art.no. **40437**

Art.no. **40437**

1/4" BSP quick female coupler.



Art.no. **10400**

**COMP SPECIAL** - Screw compressor with 1:1 direct transmission and electronic control, silenced, tank capacity 2.5 lt, oil lubricated with aluminum structure inspectable for maintenance and anti-condensation system.

Consisting of screw pumping unit (screw, oil separator, thermostatic valve, minimum valve, suction valve).

It can be used in industrial, artisanal and civil fields.

Art. no.	Voltage	Power	Max pressure	Air flow rate (10 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
<b>10400</b>	230 VAC – 50 Hz	2.7 kW	10 bar	270 L/min	2.5 L	46 Kg	76x62x69



Art.no. **10450**

**COMP SPECIAL AR** - Mobile screw compressor with 1:1 direct transmission and electronic control, silenced, tank capacity 2.5 lt, oil lubricated with aluminum structure inspectable for maintenance and anti-condensation system.

Consisting of screw pumping unit (screw, oil separator, thermostatic valve, minimum valve, suction valve).

It can be used in industrial, artisanal and civil fields.

Art. no.	Voltage	Power	Max pressure	Air flow rate (10 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
<b>10450</b>	230 VAC – 50 Hz	2.7 kW	10 bar	270 L/min	2.5 L	52 Kg	79x62x69



Art.no. **10500**

**COMP SP 90** - Mobile wheeled screw compressor with 1:1 direct transmission and electronic control, silenced, tank capacity 90 lt, oil lubricated with aluminum structure inspectable for maintenance and anti-condensation system.

Consisting of screw pumping unit (screw, oil separator, thermostatic valve, minimum valve, suction valve).

It can be used in industrial, artisanal and civil fields.

Art.no. **10500-E**

Screw compressor like art.no. 10500 with air dryer.

Art. no.	Voltage	Power	Max pressure	Air flow rate (10 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
<b>10500</b> <b>10500-E</b>	230 VAC – 50 Hz	2.7 kW	10 bar	270 L/min	90 L	95 Kg	145x48x116



Art.no. **10600**

**COMP SP 270/VERT** - Vertical screw compressor with 1:1 direct transmission and electronic control, silenced, tank capacity 2,5 lt, oil lubricated with aluminum structure inspectable for maintenance and anti-condensation system.

Consisting of screw pumping unit (screw, oil separator, thermostatic valve, minimum valve, suction valve).

It can be used in industrial, artisanal and civil fields.

Art. no.	Voltage	Power	Max pressure	Air flow rate (10 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
<b>10600</b>	230 VAC – 50 Hz	2,7 kW	10 bar	270 L/min	90 L	148 Kg	70x80x180



Art.no. **10650**

**COMP IS 5** - Floor screw compressor with V belt transmission and electronic control, silenced, oil lubricated with aluminum structure inspectable for maintenance and anti-condensation system.

Consisting of screw pumping unit (screw, oil separator, thermostatic valve, minimum valve, suction valve).

It can be used in industrial, artisanal and civil fields.

Art. no.	Voltage	Power	Max pressure	Air flow rate (10 bar)	Weight	Dimensions (L-W-H) (cm)
<b>10650</b>	400 VAC – 50 Hz	5 kW	10 bar	650 L/min	125 Kg	70x80x91



Art.no. **10650-E**

**COMP IS 5/270/E** - Screw compressor with V belt transmission and electronic control, silenced, tank capacity 270 lt, oil lubricated with aluminum structure inspectable for maintenance and anti-condensation system.

Consisting of screw pumping unit (screw, oil separator, thermostatic valve, minimum valve, suction valve).

It can be used in industrial, artisanal and civil fields.

Art. no.	Voltage	Power	Max pressure	Air flow rate (10 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
<b>10650-E</b>	230 VAC – 50 Hz	5 kW	10 bar	650 L/min	270 L	232 Kg	154x74x178



Art.no. **10700**

**COMP IS 7** - Floor screw compressor with V belt transmission and electronic control, silenced, oil lubricated with aluminum structure inspectable for maintenance and anti-condensation system.

Consisting of screw pumping unit (screw, oil separator, thermostatic valve, minimum valve, suction valve).

It can be used in industrial, artisanal and civil fields.

Art. no.	Voltage	Power	Max pressure	Air flow rate (10 bar)	Weight	Dimensions (L-W-H) (cm)
<b>10700</b>	400 VAC – 50 Hz	7 kW	10 bar	900 L/min	132 Kg	70x80x91



Art.no. **10700-E**

**COMP IS 7/270/E** - Screw compressor with V belt transmission and electronic control, silenced, tank capacity 270 lt, oil lubricated with aluminum structure inspectable for maintenance and anti-condensation system.

Consisting of screw pumping unit (screw, oil separator, thermostatic valve, minimum valve, suction valve).

It can be used in industrial, artisanal and civil fields.

Art. no.	Voltage	Power	Max pressure	Air flow rate (10 bar)	Tank capacity	Weight	Dimensions (L-W-H) (cm)
<b>10700-E</b>	230 VAC – 50 Hz	2.7 kW	10 bar	270 L/min	2.5 L	46 Kg	76x62x69





Art.no. **10520**

**PIPE EQOFLUIDS - Ø 20 mm** aluminium pipe for compressed air - 4 mt bar - 16 bar.

Art.no. **10525**

**PIPE EQOFLUIDS - Ø 25 mm** aluminium pipe for compressed air - 4 mt bar - 16 bar.

Art.no. **10532**

**PIPE EQOFLUIDS - Ø 32 mm** aluminium pipe for compressed air - 4 mt bar - 16 bar.

Art.no. **10540**

**PIPE EQOFLUIDS - Ø 40 mm** aluminium pipe for compressed air - 4 mt bar - 16 bar.



Art.no. **10620**

**FITTING EQOFLUIDS - Ø 20 mm** - straight coupling - 16 bar.

Art.no. **10625**

**FITTING EQOFLUIDS - Ø 25 mm** - straight coupling - 16 bar.

Art.no. **10632**

**FITTING EQOFLUIDS - Ø 32 mm** - straight coupling - 16 bar.

Art.no. **10640**

**FITTING EQOFLUIDS - Ø 40 mm** - straight coupling - 16 bar.



Art.no. **10720**

**FITTING EQOFLUIDS - Ø 20 mm** - T 90° - 16 bar.

Art.no. **10725**

**FITTING EQOFLUIDS - Ø 25 mm** - T 90° - 16 bar.

Art.no. **10732**

**FITTING EQOFLUIDS - Ø 32 mm** - T 90° - 16 bar.

Art.no. **10740**

**FITTING EQOFLUIDS - Ø 40 mm** - T 90° - 16 bar.



Art.no. **10820**

**FITTING EQOFLUIDS - Ø 20 mm** - elbow 90° - 16 bar.

Art.no. **10825**

**FITTING EQOFLUIDS - Ø 25 mm** - elbow 90° - 16 bar.

Art.no. **10832**

**FITTING EQOFLUIDS - Ø 32 mm** - elbow 90° - 16 bar.

Art.no. **10840**

**FITTING EQOFLUIDS - Ø 40 mm** - elbow 90° - 16 bar.

## DOSAMIX – System for the dosing and proportional, automated mixing of antifreeze, lubricating oils or emulsions.

The system is based upon the proportional dosing - regulated by solenoid valves - of two fluids that shall be mixed and whose flow is measured by two meters with pulse transmitters which are monitored by the electronic control unit that keeps a constant balance of the preset mixture percentages. The electronic control allows to adapt the configuration exactly to the individual installation requirements.

The system offers the following benefits:

- Wide range of presettable mixture percentages from 0.5 % - 50 % with a high accuracy of +/- 0.5 %.
- Constant concentrations with the possibility to store and to monitor 8 different mixing degrees.
- Manual dispense or dispense of preset quantities by using a keypad or automatically through pulses activated by installed level gauges (min. – max) installed in the storage containers of the mixed fluids.
- Optional use of "CONTINUOUS" mode or "TIME PRESET" mode from min. 1 min. up to 12 hours.
- Automatic pump stop by means of installed level gauges which give a signal to interrupt the pump function as soon as the minimum level in the storage container of the mixed fluid has been reached.
- Monitoring by means of the "REPORT" function which starts the print of statistics comparing the really achieved dosage values with the preset values of all the preset transactions.



Art.no. **DOSAMIX 5000**

Kit **DOSAMIX** suitable for the mixture of a fluid with water in concentrations from 0.5 % until 50 %.

The kit is composed of:

- Mixing unit with keypad, art. no. 5000
- Wall mounting bracket, art. no. 5004
- Transformer / stabilizer 230 VAC – 12 VDC for the power supply, art. no. 5005
- 1:1 - pneumatic pump, art. no. 31248.

The fluids must enter into the mixing unit with a pressure of min. 3 bar. In the standard version only 1 pump is included, so that it is necessary to make sure that the second fluid to be mixed is dispensed with sufficient pressure, otherwise another pump must be provided in the installation.



Art.no. **5010**

The installation of the kit DOSAMIX on the mounting shelves of series Tank Service Base permit to create an autonomous unit for the mixture of a fluid with water in concentrations from 0.5 % until 50 %.

The kit is composed of:

- Mixing unit with keypad, art. no. 5000
- Transformer / stabilizer 230 VAC – 12 VDC for the power supply, art. no. 5005
- 1:1 - pneumatic pump, art. no. 31248
- Mounting shelf with spill containment pallet, art. no. 49710.



Non-return valve, prevents the reflow of the fluid into the main pipe.

Fluid pipework that leads to storage containers of which each can have a different percentage of the mixed fluids.

Level indication kit, consisting of solenoid-actuated shut-off valve and probe with high and low level sensor. When the preset minimum level in the storage containers has been reached, a fluid dispense from the mixing unit will automatically be started. As soon as the maximum level has been reached, the flow will automatically be stopped again.

Solenoid-actuated shut-off valve for the regulation of the fluid flow.

Ball valve; enables or prevents the required fluid mixture to enter into the corresponding pipe.

Ticket printer; allows to compare the real dispensed values with the preset values and control all dispenses.

Electronic control keypad for mixing unit; serves for the adjustment of all functions. The dispenses can be activated manually, via remote control or by preset function. The figures can be controlled on the keypad display.

Electric signals distributor; allows to expand the mixing unit to handle up to 8 containers with different fluid concentration percentages.

Electronic mixing unit; two fluids can be mixed proportionally in constant concentration percentages.

Switchboard with cable connections to receive the electronic signals; serves for the control of the filling levels, of the fluid flows, of the solenoid shut-off valves and of the pump.

Pneumatic pump; serves for the dispense of the fluid to be mixed with water and to keep sufficient pressure in the pipework to guarantee an immediate fluid dispense into the storage containers when required.

Low level pump stop kit, consisting of probe with low level sensor and solenoid-actuated shut-off valve that interrupts the compressed air supply of the pump and stops it as soon as the minimum level in the drum has been reached.

## Art.no. 50500

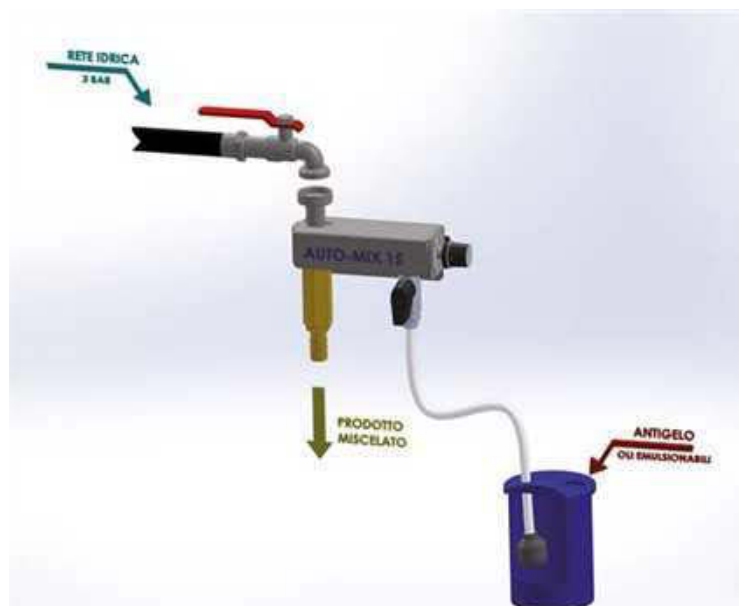
Instantaneous dosing/mixing device for antifreeze, lubricating oils, emulsions and detergents.

The use of this device allows to dispense in a quick and easy way the desired mixture of two fluids, assuring a constant mixture concentration, settable from 1 % to 40 % and created by the water flow at min. 3 bar through an included Venturi valve.

The setting of the desired mixture percentage is made with an adjustment knob on the device.

## Art.no. 50510

Instantaneous dosing/mixing device, based on art.no. 50500, complete with rilsan tube, non-return valve and suction filter



Art. no.	Flow range	Inlet pressure	Mixture percentage	Connections
50500	min. 5	min. 3 bar	1 % ÷ 15 %	3/4" BSP (M)
50510	max 11 l/min		15 % ÷ 40 %	

## DOSAMIX ADVANCED - Osmosis Water Production System Mixing with Oils - Automatic Filling

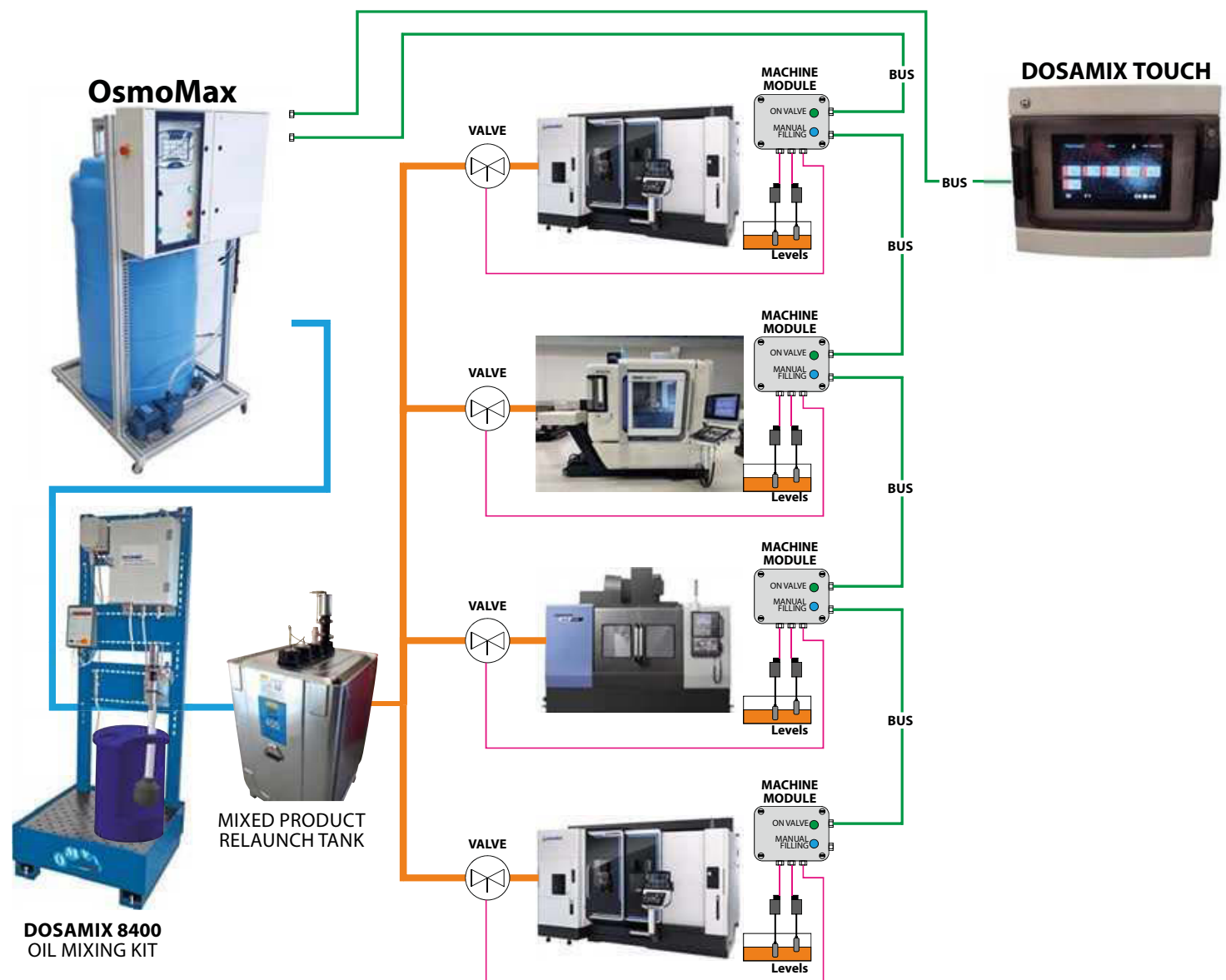
**DOSAMIX ADVANCED** is the new MONITORING and CONTROL system that allows you to manage different types of installations in different sectors with extreme flexibility. This system, proposed in industrial fields, allows for the automated dispensing of emulsifiable oils in numerically controlled machining centers.

The system consists of an **DOSAMIX TOUCH** control unit with a 7" touch screen equipped with proprietary software that is mounted on a control panel ready for installation and a series of accessories that can be included as desired.

The control unit is combined with small satellite panels (**MACHINE MODULES**), installed one for each machine, which allow for measuring the level and managing a valve for automatic refilling, as well as carrying out manual refills in the event of particular needs.

Thanks to the **DOSAMIX ADVANCED** system, it is possible to set level checks at pre-established and recurring times, remotely check the status of the machine levels and, in the event of anomalies in the levels themselves, receive alert emails.

The automatic **DOSAMIX ADVANCED** system can be combined with **OSMOMAX** reverse osmosis water production systems, to have maximum emulsifiability Oil/Water and ideal conductivity and pH values in the emulsion to prevent bacterial proliferation and oxidation problems.





The need to use specialized equipment for the dismantling and depollution of end-of-life vehicles is basing on the European directive 2000/53/EC. It regulates that all vehicle manufacturers and importers of new vehicles are obliged, together with all other affected economical operators of this sector - to take back the end-of-life vehicles from the market and to make sure that their components are dismantled and depolluted in a way that guarantees a respectful treatment of the environment and that until the end of 2006 the recycling and recovery rate of 85 % of the material weight and until 2015 a rate of 95 % must be achieved.

For the vehicle owners the take-back must be free of charge and it concerns all vehicles for the transport of max 9 passengers and a weight of max 3.5 t.

The directive defines the free-of-charge take-back of the vehicles like this:

- the vehicle must be delivered to a permitted treatment facility indicated by the vehicle manufacturer that takes it back free of charge,
- the vehicle must be complete or at least must include all essential components such as motor, gearbox, vehicle body, electronic components and catalyzer,
- the vehicle must not include contain any type of garbage.

## Environmental liability

The environmental liability is an important factor of the OMPI company philosophy. Actually it gets involved with a continuous environmental protection as one of its essential company targets.

## Depollution process

When an "end-of-life" vehicle has been delivered to a suitable facility, it will be dismantled and depolluted in a proper way, including the following operations:

- Drainage of all fluids,
- Dismantling of the battery and of the tyres,
- Neutralization of the airbag system.

Each marketable part that is dismantled can be sold, except of the safety components which content pyrotechnic material (f. ex. airbags, seat belt pretensioner).

OMPI has developed a complete line of equipment for the dismantling and waste fluids drainage of end-of-life vehicles for professional users.





## Example of an installation for end-of-life vehicle drainage and dismantling



Collection tank for petrol

Collection tank for diesel

Vehicle ramp,

Waste fluids suction kit

Waste oil draining kit with wall mounted swivel arms,

Spill containment floor with grate

Tank drilling machine,

Brake fluid draining kit

Fuel suction pumps

Collection tanks for oils, antifreeze, brake fluid and windshield washer fluid, art.



Art.no. **92119**



Vehicle ramp in painted steel for vehicle placement, with working platform composed of spill containment safety floor for the collection of eventually leaking fluids.

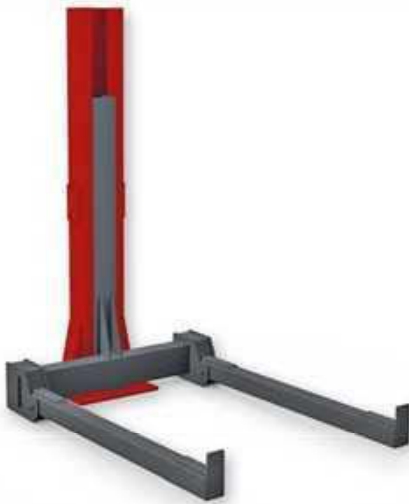
The vehicle must be positioned by a forklift.

Dimensions (LxWxH): 4900 x 2000 x 2000 mm.

Bearing capacity: 3000 kg.



Art.no. **92113**



Single-post lift for vehicles, specifically manufactured for the use in end - of - life vehicle drainage.

Equipped with electro-hydraulic lifting arms and column with lateral brackets for an optional mounting of swivel arms.

Lifting height min./max. 290/2000 mm.

Bearing capacity: 3500 kg.

Weight: 600 kg.

Art.no. **92120**

Spill containment safety floor for the collection of eventually leaking fluids. Composed of 6 individual modules.

Dimensions single module (LxWxH): 1500 x 900 x 30 mm.

Total dimensions (LxWxH): 4500 x 1800 x 30 mm.



Art.no. **92114**



Waste oil gravity draining kit, consisting of two metal collection bowls, including removable anti splash grid and height-adjustable, telescopic tube, ball valves and hydraulic connectors for the connection of the suitable suction equipment. With wall mounted swivel arms, for the installation on the vehicle ramp or on the column of the single-post lift (art. nos. 92119 and 92113).

Art.no. **92112**



Mobile waste oil gravity drainer with 2 collection bowls in painted steel of 10 l capacity incl. removable anti splash grid, for a simultaneous drainage of motor oil and transmission oil.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube. On demand also available with hydraulic quick connector for a connection to a pneumatic waste oil evacuation kit.

Art. no.	Capacity collection bowl	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
<b>92112</b>	10 l	90 l	80 l	0.5	38 kg	700x900x1700

Art.no. **92111**

Pneumatic tank drilling machine, portable version.

Allows to carry out the evacuation of petrol or diesel in vehicles in an easy, fast and safe way by drilling through the tank.

The machine is equipped with an interchangeable, non-arcing drill bit, an in-line filter with strainer, a flow control tube with transparent insert and connections for the discharge of the fuel by gravity into a can or by the suitable suction equipment into a collection tank.

The drill bit is activated by using a special, pneumatic drill machine with a low number of rotations and with reversal of the rotating direction.

Weight: 6 kg.



Art.no. **92111-T**

Conical silicone closing plugs,  $\varnothing$  7x12 mm, for sealing the drill holes.

Packaging unit: 100 pieces.

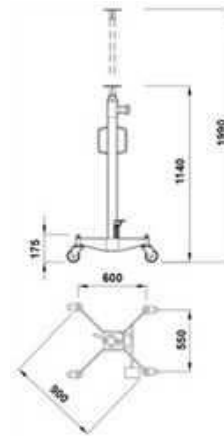


Art.no. **92121**

Pneumatic tank drilling machine, mobile version.

Same as art.no. 92111, but mounted on a height-adjustable device with a 4-castors base and connectable to a swivel arm for the installation on the vehicle ramp or on the column of the single-post lift (art. nos. 92119 and 92113).

Weight: 35 kg.



Art.no. **90002**

Mobile suction unit for petrol with pneumatic stainless steel rotary gear pump, air pressure regulator with condensation separator filter, 2-wheel trolley, plastic storage tank capacity 20 l, earthing cable for the discharge of electrostatic currents.

With pump in compliance with Atex standards, certified according to Directive 2014/34/EU.



Art. no.	Max vacuum	Inlet pressure	Compression ratio pump	Air consumption	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
<b>90002</b>	0.8 bar	3 bar	1:1	200 l/min	3 bar	17 Kg	410x420x910





Art.no. **92125**  
Art.no. **92126**  
Art.no. **92127**

Pneumatic waste fluids suction kit, composed of a solid mounting shelf in painted steel installed on a spill containment pallet, pneumatic suction pumps with accessories, vacuumeter for the control of the suction process, automatic rewind, spring-driven hose reels with 10 m – suction hoses  $\varnothing$  1/2" (mounted **on top** of the shelf) hydraulic quick couplings, suction probes in different diameters, lance for boring through the radiator, couplings for the suction of brake fluid and 3 m - connection hoses to the collection tanks.

Dimensions (LxWxH): 1350 x 830 x 2350 mm.

Art. no. 92125	Suction kit for 4 fluids
Art. no. 92126	Suction kit for 3 fluids
Art. no. 92127	Suction kit for 2 fluids

In order to install the suitable pumps and accessories it is important to specify when ordering the fluid type to be evacuated by choosing among the following: motor oil, gear oil, hydraulic oil, windshield washer fluid, brake fluid, antifreeze, diesel, petrol.



Art.no. **92122**  
Art.no. **92123**  
Art.no. **92124**

Pneumatic waste fluids suction kit, composed of a solid mounting shelf in painted steel installed on a spill containment pallet, pneumatic suction pumps with accessories, vacuumeter for the control of the suction process, automatic rewind, spring-driven hose reels with 5 m – suction hoses  $\varnothing$  3/4", (mounted **at the bottom** of the shelf) (or alternatively 10 m – suction hoses  $\varnothing$  1/2"), hydraulic quick couplings, suction probes in different diameters, lance for boring through the radiator, couplings for the suction of brake fluid and 3 m - connection hoses to the collection tanks.

Dimensions (LxWxH): 1350 x 830 x 1700 mm.

Art. no. 92122	Suction kit for 2 fluids
Art. no. 92123	Suction kit for 3 fluids
Art. no. 92124	Suction kit for 4 fluids

In order to install the suitable pumps and accessories it is important to specify when ordering the fluid type to be evacuated by choosing among the following: motor oil, gear oil, hydraulic oil, windshield washer fluid, brake fluid, antifreeze, diesel, petrol.



Art.no. **92122-C**  
Art.no. **92123-C**  
Art.no. **92124-C**

Pneumatic waste fluids suction kit, cabinet version, composed of a solid mounting shelf in painted steel installed on a spill containment pallet, a metal and lockable cabinet with 2 doors and 4 hose outlets with roller assemblies, pneumatic suction pumps with accessories, vacuumeter for the control of the suction process, automatic rewind, spring-driven hose reels with 10 m – suction hoses  $\varnothing$  1/2", hydraulic quick couplings, suction probes in different diameters, lance for boring through the radiator, couplings for the suction of brake fluid and 3 m - connection hoses to the collection tanks.

Dimensions (LxWxH): 1350 x 830 x 1700 mm.

Art. no. 92122-C	Suction kit for 2 fluids
Art. no. 92123-C	Suction kit for 3 fluids
Art. no. 92124-C	Suction kit for 4 fluids

In order to install the suitable pumps and accessories it is important to specify when ordering the fluid type to be evacuated by choosing among the following: motor oil, gear oil, hydraulic oil, windshield washer fluid, brake fluid, antifreeze, diesel, petrol.



Art.no. **92000**

Mobile evacuation unit for **LPG** and **methane** cylinders.

LPG cylinders: recovery of the liquid part, combustion of the remaining gaseous part and final washing with nitrogen for total safety.

Methane cylinders: combustion of the residual gas and final washing with nitrogen for total safety.

Nitrogen cylinder not supplied.

In accordance with Directive ATEX – group II – category 2 - GD 70°.

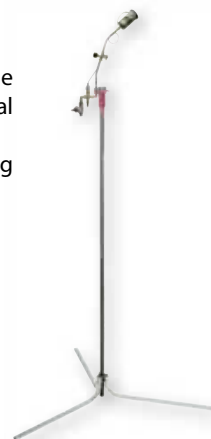


Photo of the residual gas combustion torch.

Art. no.	Nominal thermal power	Max flow rate LPG pump	Weight	Dimensions (LxWxH) (mm)
<b>92000</b>	90000 Kcal/h - 105 kW	55 l/min	70 kg	580x640x1100



Art.no. **92050**

Mobile unit for the safe combustion of residual **LPG** and **methane** from gas cylinders.

In the first cycle the gas (LPG or methane) is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made so that the empty cylinder can be used again. In accordance with CE-directives.

Art.no. **92250**

Mobile unit for the safe combustion of residual **methane** from gas cylinders. In the first cycle the gas is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made. In accordance with CE-directives.

Art.no. **92200**

Mobile unit for the safe combustion of residual **LPG** from gas cylinders. In the first cycle the gas is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made. In accordance with CE-directives.

Art. no.	Nominal thermal power	Weight	Dimensions (LxWxH) (mm)
<b>92050</b>	90000 Kcal/h - 105 kW	60 kg	580x640x1100
<b>92250</b>		40 kg	
<b>92200</b>			



Art.no. **92100**

Mobile unit for the safe combustion of residual **LPG** from gas cylinders.

In the first cycle the liquid part of the gas is recovered **by means of a pump** and the residual gaseous part is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made.

In accordance with CE-directives.



Art. no.	Nominal thermal power	Max flow rate LPG pump	Weight	Dimensions (LxWxH) (mm)
<b>92100</b>	90000 Kcal/h - 105 kW	55 l/min	70 kg	580x640x1100



## Art.no. 92500

Mobile evacuation and recycling kit for air conditioning gas, consisting of an evacuation unit with a compressor that works with refrigerant gas types **R12 - R134A - R1234yf**, with a distillation system permitting the separation of the refrigerant from the oil, the filtration, and the dehydration.

The kit includes:

- A 12 kg rechargeable cylinder for **R134a** gas.
- Filling hoses of 1800 mm length with quick connector for **R134a** gas.
- A quick connection for **R134yf** gas.
- A stable 2 wheels - trolley.

## Art.no. 92550

Mobile evacuation and recycling kit for air conditioning gas, consisting of an evacuation unit with a compressor that works with refrigerant gas types **R12 - R134A - R1234yf**, with a distillation system permitting the separation of the refrigerant from the oil, the filtration and the dehydration.

The kit includes:

- A 12 kg – rechargeable cylinder for **R134a** gas.
- Filling hoses of 1800 mm length with quick connector for **R134a** gas.
- A quick connection for **R134yf** gas.
- 5 kg – rechargeable cylinder for **R1234yf** gas with included connections.
- A stable 2 wheels - trolley.

Art. no.	Compressor power	Recovery Capacity	Feeding	Weight	Dimensions (LxWxH) (mm)
<b>92500</b>	1/4 HP	375 g/min	230V - 50Hz	47 kg	550x530x920
<b>92550</b>					

## Art.no. 92510

Recovery service unit for air conditioning systems.

This kit allows to recover the refrigerant gas cleaned of oil and moisture and store it in the external cylinder (included).

Setting the maximum cylinder capacity, there will be an automatic stop when the maximum will be reached.

The recovered gas is weighed thanks to the included electronic scale and a weighing report can be printed thanks to the presence of the printer.



Art. no.	Compressor power	Recovery Capacity	Feeding	Weight	Dimensions (LxWxH) (mm)
<b>92510</b>	1/4 HP	375 g/min	230V - 50Hz	50 kg	550x530x920



Art.no. **92129**

Electronic airbag activating and blasting unit **BOOM-BAG**, enables a safe and easy dismantling of all airbags in a vehicle.

Suitable for all vehicle models. The unit can be used immediately and one operator is sufficient to carry out the dismantling. The unit is packed in a plastic case and includes also an electric cable with alligator clamps for battery connection and a kit with cables and push terminals for the activation of single or double airbags.



Art. no.	Voltage	Protection category	Weight	Dimensions (LxWxH) (mm)
<b>92129</b>	12 VDC	IP 66	1 kg	210x95x85

Art.no. **92130**

Electric glass cutter, mobile, for a safe and versatile cutting of the windshield glass of end-of-life vehicles.

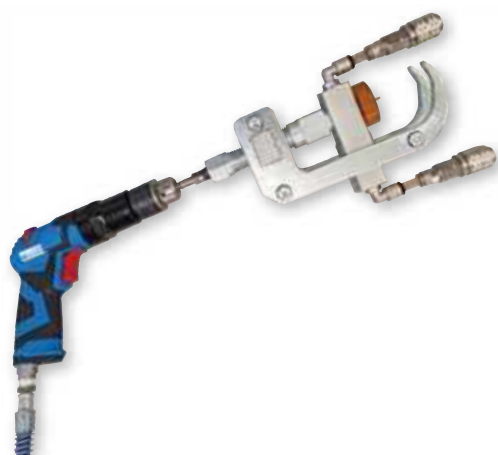
- Electric mechanism with special high speed drill machine and diamond milling cutter;
- Conveyor for the evacuation of the generated glass dust;
- Vacuum cleaner with stainless steel container, power 1250 W, collection capacity 36 l, equipped with a 10 m power cable



Art.no. **88910 + 90022**

Evacuation unit for shock absorbers, composed of a drill machine and an air-operated suction unit.

The drill gun allows to drill through the shock absorbers and the suction unit simultaneously draws the hydro steer oil into a container of 24 l capacity.



Art. no.	Diameter	Drill stroke	Max. diameter shock absorber
<b>88910</b>	15 mm	30 mm	60 mm



Art. no.	Compressed air supply	Max vacuum	Capacity collection container	Weight	Dimensions (LxWxH) (mm)
<b>90022</b>	7 - 10 bar	0.8 bar	24 l	11 kg	390x360x940





Art.no. **92118-P**

Mobile, pneumo-hydraulic cutter unit with max. blades opening of 130 mm. Allows the cutting of vehicle catalyts with extreme speed and high safety.

This unit includes a base with 3 castors, on which is installed a hydraulic lifting device with tray for the height adjustment of the cutter, a 5 l - oil container with 100:1 - pneumatic piston pump, pressure regulator with manometer, moisture separator and lubricator and a high pressure rubber hose to connect the cutter with the pump. It permits the shear to reach a maximum pressure of 700 bar.

Art. no.	Compression ratio	Supply	Tank capacity	Weight	Dimensions (LxWxH) (mm)
<b>92118-P</b>	100:1	7 bar	5 l	60 kg	600x600x1200



Art.no. **92118KIT**

Mobile, pneumo-hydraulic cutter unit with max. blades opening of 130 mm. Allows the cutting of vehicle catalyts, sheet material, aluminium profiles and copper cables with extreme speed and high safety.

This unit includes a trolley with 4 castors, a 5 l - oil container with 100:1 - pneumatic piston pump, pressure regulator with manometer, moisture separator and lubricator and a high pressure rubber hose. It permits the shear to reach a maximum pressure of 700 bar.

**Characteristics:**

- Double acting function prevents any possible jam;
- Hardened, re-grindable blades assure a safer working than with an abrasive cut-off machine;
- Compact, light, fast, reliable and usable in any position.



Art.no. **92117KIT**

Mobile, electro-hydraulic cutter unit with max. blades opening of 130 mm. Allows the cutting of vehicle catalyts, sheet material, aluminium profiles and copper cables with extreme speed and high safety.

This unit includes a trolley with 4 castors and an electric power supply unit with exchanger that permits the shear to reach a maximum pressure of 700 bar.

**Characteristics:**

- Double acting function prevents any possible jam;
- Hardened, re-grindable blades assure a safer working than with an abrasive cut-off machine;
- Compact, light, fast, reliable and usable in any position.



Art.no. **92117**

Battery-powered cutter with max. blades opening of 130 mm. Allows the cutting of vehicle catalyts, sheet material, aluminium profiles and copper cables with extreme speed and high safety. Supplied with charger and number 2 batteries.

**Characteristics:**

- Double acting function prevents any possible jam;
- Hardened, re-grindable blades assure a safer working than with an abrasive cut-off machine;
- Compact, light, fast, reliable and usable in any position.

Double wall tank, external tank in galvanized steel and internal tank in high density polyethylene, suitable for the storage of waste oil and diesel. Including 4 connections in 2" on top of the tank, mechanical level indicator, optical leakage detector for eventual leakages in the internal tank, carrying handles and pallet feet for the lifting and the transport with a pallet truck or a forklift from 4 sides. Approved for indoor installations.



Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
<b>49540</b>	400 l	55 kg	700x730x1170
<b>49557</b>	750 l	82 kg	770x980x1460
<b>49550</b>	1000 l	110 kg	770x1280x1460
<b>49551</b>	1500 l	165 kg	770x1630x1870

On demand available the versions approved for transportation in accordance with ADR 6.5.4.4.1b.

## Art.no. 51123

Petrol storage tank in painted steel, mounted in a wire protection cage, with spill containment pallet, hermetically sealed dome of ø 300 mm with cover panel and counterflange of 10 mm wall thickness, refill tube and 2" – security valve.

The unit is equipped with a pneumatic, selfpriming rotary vane pump for the transfer of petrol, earth cable to enable an electrostatic discharge, pressure regulator, 3 m – rubber hose 3/4" with static wire and automatic dispensing nozzle.



Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
<b>51123</b>	258 l	155 kg	920 x 830 x 1200



Art.no. **80723**

Trolley with 2 wheels and base, suitable for pails of 18 - 60 kg.



Art.no. **80724**

Trolley with 2 wheels and tubular frame, suitable for pails of 20 kg.

Art.no. **80725**

Trolley with 2 wheels and tubular frame, suitable for pails of 50 - 60 kg.



Art.no. **80722**

Trolley with 2 wheels and 2 castors, suitable for pails of 20 - 60 kg.



Art.no. **80785**

Trolley with 2 wheels and two castors, standard version, suitable for 208 l - drums.



Art.no. **80783**

Trolley with 2 wheels and two castors, standard version, suitable for 208 l - drums, with mounting plate for the fixation of pumps.



Art.no. **80782**

Trolley with 2 wheels and two castors, standard version, with guard plates for the wheels on both sides, suitable for 208 l - drums.



Art.no. **80792**

Trolley with 2 special rubber wheels and 2 rubber castors with brakes, heavy duty version, provided for the use on rough surfaces, including spill containment base with steel grate. The trolley is also provided for the mounting of a hose reel.



Art.no. **80795**

Trolley with 2 wheels and 1 castor, suitable for 208 l - drums. The trolley is equipped with a mounting plate which permits the installation of a hose reel.