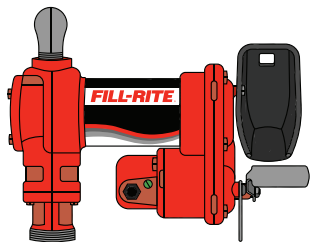


HOW TO BUILD YOUR FUEL TRANSFER SYSTEM



Fill-Rite® manufactures durable and reliable fuel transfer pumps, meters, and accessories. When building your Fill-Rite fuel transfer system, start by selecting the right pump for your needs.

The two most critical factors in selecting the right pump are:

1. Identifying the correct power source or voltage
2. Identifying the ideal performance level based on the equipment it will be refueling

**STEP
1**

FIRST, IDENTIFY THE CORRECT POWER SOURCE, OR VOLTAGE, FOR YOUR FILL-RITE PUMP

12V OR 24V DC PUMPS

Typically used in mobile applications and powered by a 12V or 24V battery already in your vehicle or equipment

- 12V or 24V vehicle or equipment battery
- Mounted on mobile fuel transfer tanks in truck beds or transfer trailers

115V OR 230V AC PUMPS

Typically used in stationary applications and powered by a standard 115V or 230V electrical supply

- 115V or 230V standard electrical supply
- Mounted on above ground storage tanks

HAND PUMPS (NON-ELECTRIC)

Can be used in mobile or stationary applications. Powered by you, not by electricity

- Hand powered
- Mounted on any tank

Note: You can typically find the pump's voltage on the upper-left corner of the packaging box.

NEXT, SELECT A PUMP WITH THE RIGHT PERFORMANCE LEVEL

Performance is determined by a pump's flow rate, which is measured in gallons per minute (GPM) or liters per minute (LPM). Start by considering the average fuel tank size of the equipment that you'll be filling.

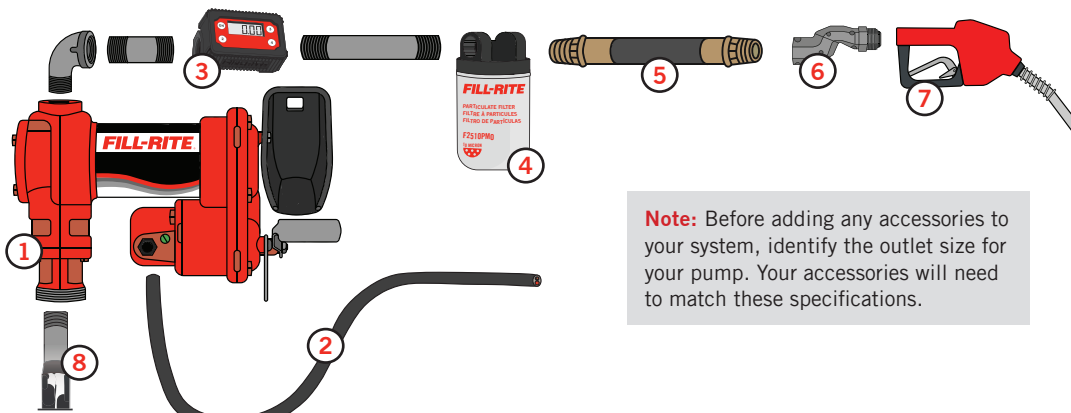
Generally, you'll want a pump with a flow rate that can fill your equipment in 2-4 minutes. Selecting the right performance level leads to one simple question: *how much time do you want to spend refueling?*

Recommended Fill-Rite Pump Flow Rate	You will spend 2 minutes refueling equipment with a:	You will spend 4 minutes refueling equipment with a:
8 GPM / 30 LPM	16 Gallon / 60 Liter Fuel Tank	32 Gallon / 120 Liter Fuel Tank
15 GPM / 56 LPM	30 Gallon / 113 Liter Fuel Tank	60 Gallon / 227 Liter Fuel Tank
20 GPM / 75 LPM	40 Gallon / 151 Liter Fuel Tank	80 Gallon / 302 Liter Fuel Tank
25 GPM / 94 LPM	50 Gallon / 189 Liter Fuel Tank	100 Gallon / 378 Liter Fuel Tank
35 GPM / 132 LPM	70 Gallon / 264 Liter Fuel Tank	140+ Gallon / 529+ Liter Fuel Tank
60+ GPM / 227+ LPM	Bulk Transfer	

NOW THAT YOU'VE SELECTED YOUR PUMP, LET'S COMPLETE YOUR SYSTEM

ACCESSORY KEY:

- 1 Pump
- 2 Power Cable
- 3 Flow Meter
- 4 Filter
- 5 Hose
- 6 Swivel
- 7 Nozzle
- 8 Suction Pipe



Note: Before adding any accessories to your system, identify the outlet size for your pump. Your accessories will need to match these specifications.

COMPLETE YOUR FUEL TRANSFER SYSTEM WITH ACCESSORIES

Fill-Rite offers a complete line of fuel transfer accessories to improve ease of use and protect your equipment.

ADDING ACCESSORIES:

Even though accessories will make equipment easier to use, adding accessories like filters, meters, and swivels could slow down your flow rate. So consider sizing up your pump's performance level to compensate!

STEP 3

PICK YOUR FLOW METER

Fuel is typically a large expense for companies that use heavy equipment or vehicles, and flow meters help track where that fuel is going.



DIGITAL DISPLAYS

For the easiest, most accurate measurement of fuel (+/- 1%)



MECHANICAL DISPLAYS

Measures accurately (+/- 2%) but with a more traditional appearance

STEP 2

PICK YOUR POWER CABLE

Most of Fill-Rite's DC Pumps come with a power cable. Conversely, AC Pumps should be wired by a licensed electrician.



STEP 4

PICK YOUR FILTER

Filters help protect your vehicles and equipment from particulates, water, rust, and other microbials that may be contaminating your fuel.



PARTICULATE

- Removes dirt, rust, and microbes



WATER BLOCKING

- Removes dirt, rust, and microbes
- Detects water & restricts flow when tank needs cleaning

10 MICRON

Filters out finer particles, restricts flow rate more

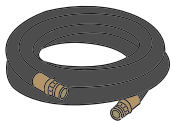
30 MICRON

Filters out larger particles, restricts flow rate less

STEP 5

PICK YOUR HOSE

Fill-Rite's hoses feature long life and superior performance with corrosion-resistant fittings and kink-resistant construction.



REGULAR

For everyday use in normal climates

SUB-ZERO TEMPERATURE

For climates reaching -40 to 0° F/C

HOSE LENGTHS & INLET SIZES

Longer hoses are ideal for taller equipment or equipment that cannot be parked close to tanks.

12'	
14'	
20'	
25'	

STEP 6

PICK YOUR SWIVEL

Swivels provide a smooth and ergonomic range of motion when refueling, allowing you to twist the nozzle to any angle needed.



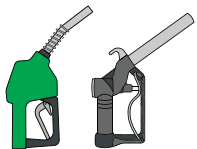
SWIVELS

- ✓ Creates 360-degree range of motion with nozzle
- ✓ Makes refueling more hassle-free
- ✓ Rated to -40° F/C

STEP 7

PICK YOUR NOZZLE

Fill-Rite's nozzles feature heavy-duty construction and are available in a variety of spout sizes and sleeve colors.



AUTO NOZZLE

Restricts performance more, more convenient

MANUAL NOZZLE

Restricts performance less, less convenient

SLEEVE COLOR & FLUID MATCH

GREEN	Diesel
RED	Petrol
YELLOW	Kerosene
BLUE	Sub-Zero Temperatures

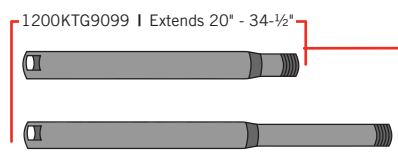
SPOUT SIZES & FUEL TYPES

- Nozzle spouts come in three different sizes, to prevent the accidental cross-fueling of vehicles:
- **13/16" Spout** - Petrol or Unleaded Vehicles
- **15/16" Spout** - Standard Diesel Vehicles
- **1-3/16" Spout** - Heavy Equipment & Large Vehicles

STEP 8

PICK YOUR SUCTION PIPE

Our telescoping suction pipe is made from durable steel and is designed to be used with pumps mounted on drums and in-bed transfer tanks.



1200KTG9099 | Extends 20" - 34-1/2"

Custom Cut Pipe | Fits Any Size Tank