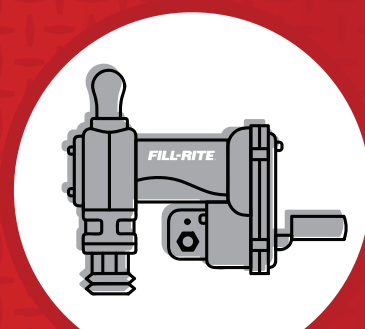


THE 4 MOST IMPORTANT QUESTIONS

TO ASK ABOUT FUEL TRANSFER



CONFIGURATION

Does the system need to be mobile or stationary?



FLOW RATE

What is the desired flow rate?
(How fast does fluid need to move?)



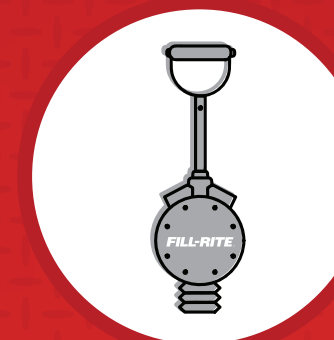
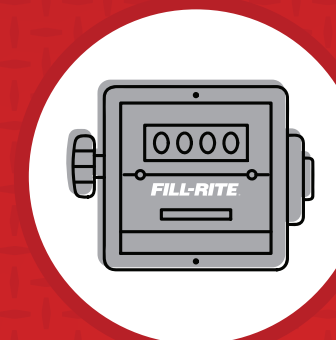
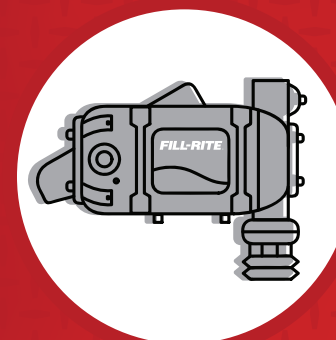
FLUID

What fluid is being transferred?

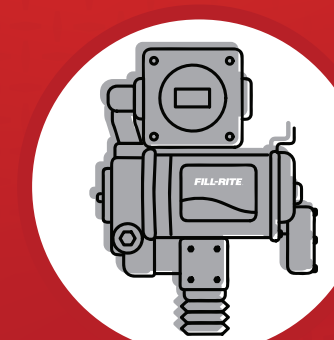
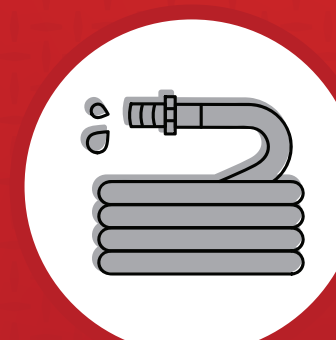
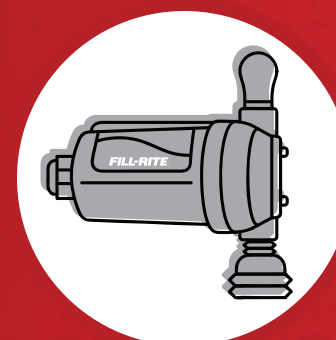


ACCESSORIES

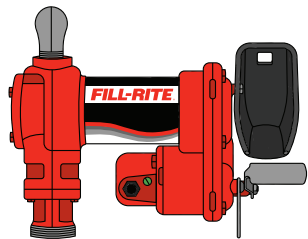
Are any accessories needed?



EVERYTHING YOU NEED TO KNOW ABOUT FUEL TRANSFER



HOW TO BUILD YOUR FUEL TRANSFER SYSTEM



Since 1961, Fill-Rite® has been manufacturing the most 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, PICK YOUR PUMP

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.

Selecting the right performance level is really determined by one simple question:

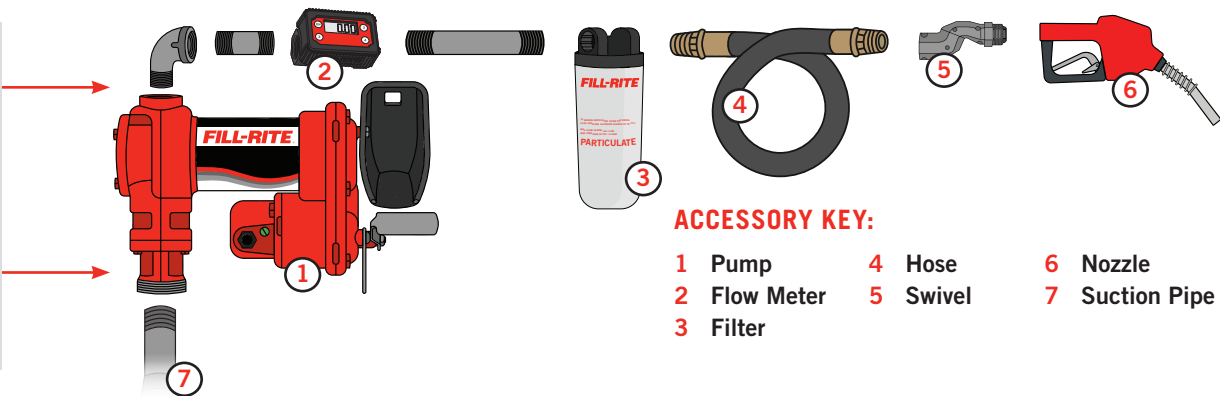
How much time do you want to spend refueling?

The higher the flow rate on the pump, the less time you'll spend refueling.

Using a Fill-Rite Pump with This 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

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

Note: Before picking out any accessories for your system, identify the inlet and outlet sizes of your pump. Most Fill-Rite pumps are equipped with 1" or 1-1/4" inlets and 3/4" or 1" outlets. If the accessories you select do not match those sizes, you may need to purchase additional plumbing fittings.



ACCESSORY KEY:

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

COMPLETE YOUR SYSTEM WITH ACCESSORIES

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

ADDING ACCESSORIES:

When adding multiple accessories to your system, consider sizing up your pump's performance level to compensate.

- Accessories typically make refueling easier but;
- Accessories may also decrease your overall performance output, or flow rate

STEP 2 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 3 PICK YOUR FILTER

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



PARTICULATE

- Removes dirt, rust, and microbes



HYDROSORB®

- Removes dirt, rust, and microbes
- Detects water in fuel and restricts flow to prevent damage

10 MICRON

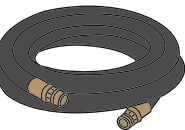
Filters out finer particles, restricts flow rate more

30 MICRON

Filters out larger particles, restricts flow rate less

STEP 4 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 & for when equipment cannot be parked close to tanks.



*Our Most Popular Length

STEP 5 PICK YOUR SWIVEL

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

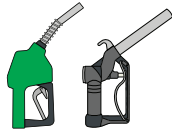


SWIVELS

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

STEP 6 PICK YOUR NOZZLE

Fill-Rite nozzles feature heavy-duty construction and are equipped with a variety of spout sizes and sleeve colors.



AUTO NOZZLE

More convenient, but reduces flow performance more

MANUAL NOZZLE

Reduces performance less, but is less convenient

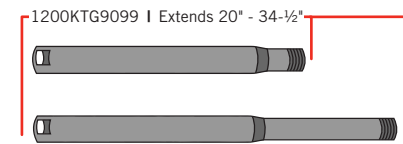
SLEEVE COLOR & FLUID MATCH : SPOUT SIZES & FUEL TYPES

- GREEN Diesel
- RED Gasoline
- YELLOW Kerosene
- BLUE Sub-Zero Temperatures

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

STEP 7 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.



For taller tanks, you must cut your own black iron pipe