

# PUMPS

## Fuel Transfer Pumps & Flowmeters

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Details on page A1.



3J092

### AC Fuel Transfer Pumps

These rotary vane, self-priming pumps let you dispense B20, diesel, E15, gasoline, and kerosene. For use on construction sites and farms. With internal bypass valves, Viton O-rings, heavy-duty switch, and permanently lubricated ball bearings. The permanent magnet motors can operate continuously for up to 30 min., are intrinsically-safe, and have thermal overload protection.

Models with nozzle are lockable. Pumps can be mounted to a standard 2" NPT opening with included bung adapter.

Note: Find Fill-Rite Pump Repair Kits at Grainger.com.

**FILL-RITE**

HP	GPM	Inlet Size	Outlet Size	Hose Length	Housing Material	Seal Material*	Nozzle Type	Metered	Mfr. Model	Item No.
<b>115/230V AC</b>										
		1 1/4 in MNPT	1 in	—	Cast Iron	Carbon	—	No	FR310VN	32GG92
		Inlet Size, Bung : 2 in Male								
3/4	30 gpm	NPT; Suction Pipe 1 1/4 in Female NPT	1 in	18 ft	Cast Iron	Carbon	Automatic	Yes	FR311VB	32GG94
		1 1/4 in MNPT	1 in	18 ft	Cast Iron	Carbon	Automatic	No	FR310VB	32GG95
	35 gpm	1 1/4 in MNPT	1 in	—	Cast Iron	Carbon	—	Yes	FR311VN	32GG93
<b>115V AC</b>										
		1 1/4 in MNPT	3/4 in FNPT	12 ft	Cast Iron	Carbon	Manual	Yes	FR701V	5TXG6
		1 1/4 in MNPT	3/4 in FNPT	12 ft	Cast Iron	Carbon	Manual	No	FR700V	2GMP5
1/2	20 gpm	1 1/4 in MNPT	1 in FNPT	18 ft	Cast Iron	Carbon	Ultra High Flow Automatic	Yes	FR711VA	30J091
		1 1/4 in	3/4 in NPT	12 ft	Cast Iron	Buna-N	—	Yes	FR702VRU	61DJ24
1/8	15 gpm	1 in MNPT	3/4 in FNPT	12 ft	Cast Iron	C/C	Manual	No	FR610H	4RP94
		1 in MNPT	3/4 in FNPT	12 ft	Cast Iron	C/C	Automatic	No	FR610HA	30J093
<b>115V AC and 230V AC</b>										
3/4	35 gpm	1 1/4 in MNPT	1 in FNPT	18 ft	Cast Iron	C/C	Ultra High Flow Automatic	Yes	FR319VB	30J092

\* C/C = ceramic/carbon.



1P894

**FILL-RITE**

### DC Fuel Transfer Pumps

Self-priming, rotary vane, and allow you to dispense B20, diesel, E15, gasoline, and kerosene, except 38NH81 and 38NH82 are for biodiesel, diesel, and gasoline; 38NH83 is not compatible with gasoline. For use on construction sites and farms. With internal bypass valves and heavy-duty switch. Motors can operate continuously for up to 30 min., are intrinsically-safe, and thermal overload protected; except 38NH82, 38NH83, 38NH87, and 429J10 are not intrinsically-safe and have no thermal overload protection; 48YA42 is not thermal overload protected; 416K59 and 416K60 are not intrinsically-safe. 45KM61 to 45KM63 have reconfigureable flanges.

Note: Find Fill-Rite Pump Repair Kits at Grainger.com.

HP	GPM	Inlet Size	Outlet Size	Hose Length	Housing Material	Seal Material†	Nozzle Type	Metered	Mfr. Model	Item No.
<b>12 to 24V DC</b>										
1/2	25 gpm	1 1/4 in FNPT	1 in FNPT	—	CI	Buna-N	—	No	NX25-DDCNB-PX	429J10
		1 1/4 in FNPT	1 in FNPT	18 ft	CI	Buna-N	Automatic	No	NX25-DDCNF-AA	429J12
<b>12V DC</b>										
	13 gpm	1 in MNPT	3/4 in FNPT	10 ft	CI	C/C	Manual	No	SD1202H	3KZH7
		1 in MNPT	3/4 in FNPT	12 ft	CI	C/C	Manual	No	FR1210H	1P894
		1 in MNPT	1 in FNPT	12 ft	CI	C/C	Manual	Yes	FR1211H	30J088
		1 in	3/4 in	—	CI	Buna-N	—	No	FR1204H	38NH81
	15 gpm	1 in	3/4 in	12 ft	CI	Buna-N	Automatic	No	FR1210HA	38NH82
		1 in FNPT	3/4 in FNPT	12 ft	CI	C/C	Manual	Yes	FR1219H	416K59
		1 in NPT	3/4 in NPT	12 ft	CI	Carbon	Automatic	No	FR1210HA1	48YA42
1/4		1 in MNPT	3/4 in FNPT	18 ft	CI	C/C	High Flow Automatic	No	FR4210HBFQ	4FY15
	20 gpm	1 in MNPT	1 in FNPT	12 ft	CI	C/C	Manual	No	FR4210H	4RP93
		1 in MNPT	1 in FNPT	12 ft	CI	C/C	Manual	Yes	FR4211H	30J090
		1 in	1 in	—	CI	Buna-N	—	No	FR4204H	38NH87
		1 in FNPT	3/4 in FNPT	12 ft	CI	C/C	Manual	Yes	FR4219H	416K60
	10 gpm	3/4 in	3/4 in	—	CI	HNBR	—	No	FR1612	38NH83
		3/4 in NPT	3/4 in NPT	—	AL	Buna-N	—	No	RD1212NH	45KM61
1/8	12 gpm	3/4 in NPT	3/4 in NPT	8 ft	AL	Buna-N	Manual	No	RD1212NH	45KM62
		3/4 in NPT	3/4 in NPT	8 ft	AL	Buna-N	Manual	No	RD1212NP	45KM63
<b>24V DC</b>										
1/4	15 gpm	1 in MNPT	1 in FNPT	12 ft	CI	C/C	Manual	Yes	FR2411H	30J089

\* CI = cast iron, AL = aluminum. † C/C = ceramic/carbon.



36NL24

### Portable DC Fuel Transfer Pumps

**FILL-RITE**

Low-profile and self-priming with configurable flanges that allow you to position the inlet and outlet to fit your needs. Intrinsically-safe motor with thermal overload protection, cast-iron housing, and Buna-N seal. 36NL24 comes with a suction hose, discharge hose, and nozzle. 36NL26 comes with hose, nozzle, and bung adapter. All models include a quick connect battery cable.

Compatible Fluids	Voltage	HP	GPM	Inlet Size	Outlet Size	Hose Length	Nozzle Type	Metered	Mfr. Model	Item No.
Biodiesel up to B20, Diesel, E15, Gasoline, Kerosene	12V DC	1/2 hp	8 gpm	3/4 in MNPT	3/4 in	—	Manual	No	RD812NN	36NL25
			8 gpm	3/4 in MNPT	3/4 in	8 ft	Manual	No	RD812NH	36NL24
			8 gpm	3/4 in MNPT	3/4 in	8 ft	Manual	No	RD812NP	36NL26

### Fuel Flowmeters

Inlet and outlet ports can be rotated in 90° increments to ease installation. All models are UL and C-UL Listed, except 24KJ09 and 3XNL1. 1P951 and 5P232 have nickel-plated aluminum housing and Type 303 stainless steel shaft. 3XNL1, 24KJ09, 3MMP5, 3KMR1, 4RP91, and 4RP92 have corrosion-resistant aluminum housings. All models are not for resale measuring use.

#### 2 TO 20 GPM

Can be calibrated without dispensing fluids to measure ounces, pints, quarts, liters, or gallons to ±0.5% accuracy. Resettable totalizer counts to 1000 gal. Weatherproof.

Note: Not for use with gasoline or fluids with a flash point of 100°F or less.

#### 5 TO 20 GPM

Resettable flowmeters with nonresettable 100,000-gal. totalizer. ±1% accuracy. 24KJ09 and 3KMR1 can be field calibrated.

Note: Do not use for liquids thicker than diesel fuel.

#### 6 TO 40 GPM

3XNL1, 3MMP5, 4RP92, and 5P232 measure flow to 1000 gal. ±2% accuracy. Nonresettable master totalizer: 3XNL1, 3MMP5, and 4RP92 count to 1,000,000 gal., 5P232 counts to 100,000 gal.

Note: Do not use for liquids thicker than diesel fuel.

**FILL-RITE**



4RP95

Flow Material	Display	Seal Material	Flow Range	Connec. Size	Resettable Cumulative Totalizer	Max. Pressure	L	W	H	Mfr. Model	Item No.
B20, Diesel, E15, Gasoline, Kerosene	Mechanical	—	5 to 20 gpm	3/4 in	1,000 gal	50 psi	8 in	6 in	6 in	807CMK	3KMR1
	Mechanical	—	6 to 40 gpm	1 in	1,000 gal	50 psi	9 1/4 in	6 1/4 in	5 1/2 in	901CMK4200	3MMP5
	Mechanical	Viton	5 to 20 gpm	1 in	100 gal	50 psi	8 in	6 in	6 in	807CNT	1P951
	Mechanical	Viton and Buna	5 to 20 gpm	1 in	100 gal	50 psi	8 in	6 in	6 in	807C1	4RP91
Mechanical	Viton and Buna	6 to 40 gpm	1 1/2 in	1,000 gal	50 psi	9 1/4 in	6 1/4 in	5 1/2 in	901C1.5	4RP92	
B20, Diesel, E15, Gasoline, Kerosene, Non-Potable Water	Mechanical	Viton	6 to 40 gpm	1 1/2 in	1,000 gal	50 psi	9 1/4 in	6 1/4 in	5 1/2 in	901CN1.5	5P232
Diesel, Kerosene, Water	Digital, LCD	Viton and Buna	2 to 20 gpm	1 in	9999 gal.	100 psi	5 1/2 in	5 1/4 in	5 in	820	4RP95
Gasoline, Diesel, B20, E15, Kerosene	Mechanical	—	5 to 20 gpm	3/4 in	100 gal	50 psi	8 in	6 in	6 in	807C	24KJ09
	Mechanical	—	6 to 40 gpm	1 in	1,000 gal	50 psi	9 1/4 in	6 1/4 in	5 1/2 in	901C	3XNL1