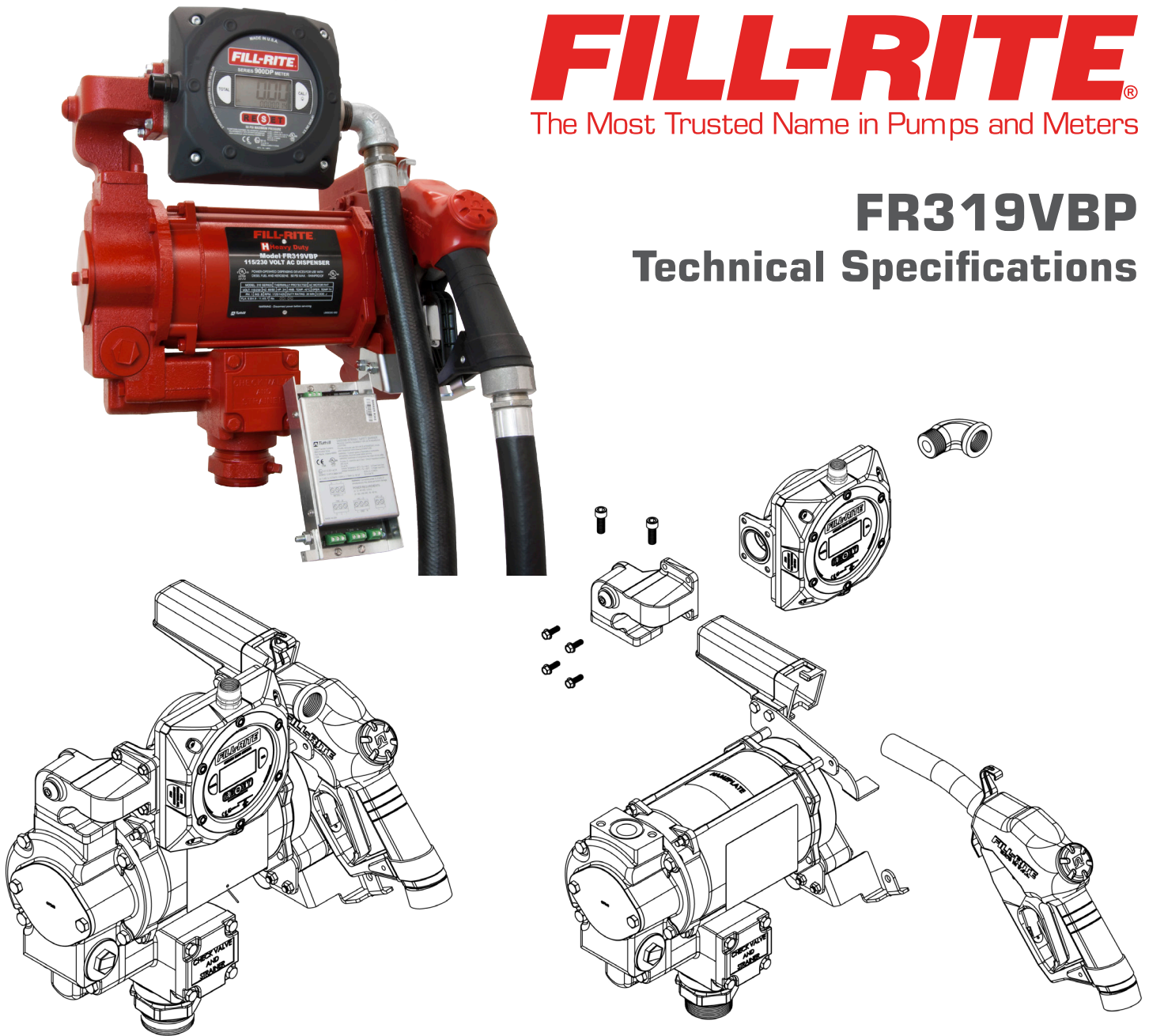


FILL-RITE®

The Most Trusted Name in Pumps and Meters

FR319VBP Technical Specifications

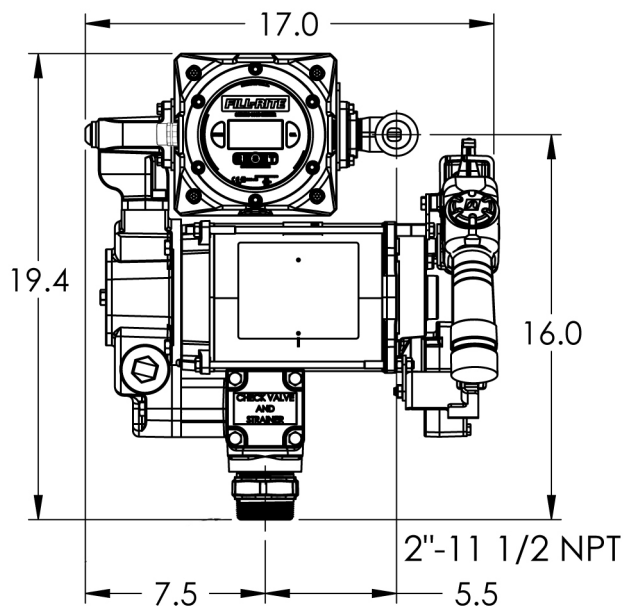
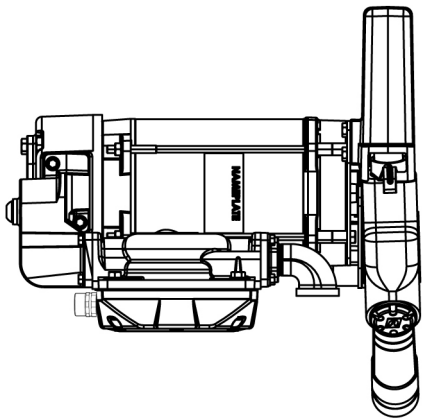


Pump		Motor	
Type - Rotary, Diaphragm, Gear, Vane	Vane	Power - AC 115,230, 115/230 VAC	115/230
GPM in Supplied Configuration	26.6	HZ 50,60,50/60	60/50
GPM Open Flow - no Hose or Nozzle	33.4	Power - DC 12, 24, 12/24	N/A
By-Pass Pressure Rating (PSI) - Max	26 PSI	HP (Horsepower) Rating	3/4 HP
Dry Vac (in Hg)	14	Power Cord Length (feet)	N/A
Head - Max (Ft.)	60'	Power Cord Gauge (AWG)	N/A
Anti-Siphon Valve	Optional	DC Power Cord Connectors	NONE
Inlet - Size / Thread	1.25" NPT	Amps (FLA)	9.8/4.9 11.4/5.7
Outlet - Size / Thread	1" NPT	RPM	1725/1425
Mount	Bung	Duty Cycle	30 min.
Material - Pump Housing	Cast Iron	Thermal Protection Switch	Yes
Material - Wetted Material	Fluorocarbon / Buna	Circuit Protection Fuse	None
Rotor Material	Powdered Iron	Certification	UL, cUL
Rotor Vane Material	Carbon		
Compatible Fluids	Diesel, Gasoline, BioDiesel up to B20, E15, Kerosene		
Max Viscosity of Fluids to Pump	22cSt		
Strainer Mesh Size	40 X 40		
Warranty	2 Years		

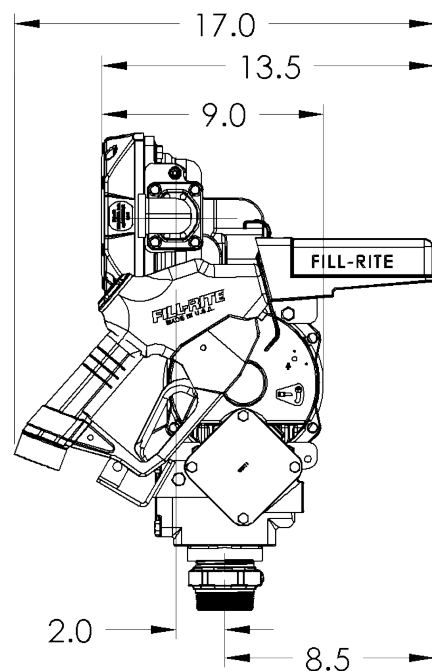
SERVICE KIT INFORMATION

Accessories	
Suction Pipe Material	N/A
Suction Pipe Length	N/A
Nozzle - Size	1" Ultra High Flow
Nozzle - Manual / Automatic	Ultra High Flow
Hose Diameter	1"
Hose Length	18'
Hose Material of Construction	Black Nitrile Rubber
Hose Static Wire (Yes/No)	Yes
Hose Liquid Materials Compatibility	Diesel Fuel, Kerosene Heptane, Hexane, Mineral Spirits
Certifications	UL, cUL

Measurements	
Overall Height	19.4"
Overall Width	17"
Overall Depth	17"
Intake Center Line to Discharge Center Line	2"
Intake Center Line to Back of Nozzle Boot	8.5"
Shipping Weight	94 lbs.
Qty per Pallet	8
Box Dimensions:	
Length	21"
Width	20"
Height	17¾"



Kit	Description	Parts
KIT300SW	Switch Lever Kit	Switch lever, attaching hardware
KIT300JC	Junction Cover Kit	Junction box cover, O-ring seal, attaching hardware
KIT300BV	Bypass Kit	Bypass cap, O-ring seals, bypass body and poppet, spring, attaching hardware
KIT700SL	O-Ring Kit	O-ring seals, retaining ring, nickel plated seals, stainless steel seals and spring
KIT300RG	Rotor Kit	Rotor, vanes, O-ring seals attaching hardware
KIT700BG	Inlet Kit	Inlet adapter, AST 2 x 1 ¼
KIT300SG	Pressure Relief Kit	Pressure relief valve, O-ring seals, gasket, check valve body, stem, and insert
KIT120NB	Nozzle Boot Kit	Nozzle boot, attaching hardware
KIT300BD	Gasket Kit	Gaskets, O-ring seals, bypass cap, flange cover
KIT300NR	Nozzle Retainer Kit	Nozzle retainer and attaching hardware
KIT300OT	Outlet Kit	Outlet flange, O-ring seal, attaching hardware
KIT700AS	Anti-Siphon Kit	Anti-siphon valve, Teflon tape, elbow adapter, stainless steel braided hose, attaching hardware



Electronics (Pulser/Intrinsically Safe Barrier)



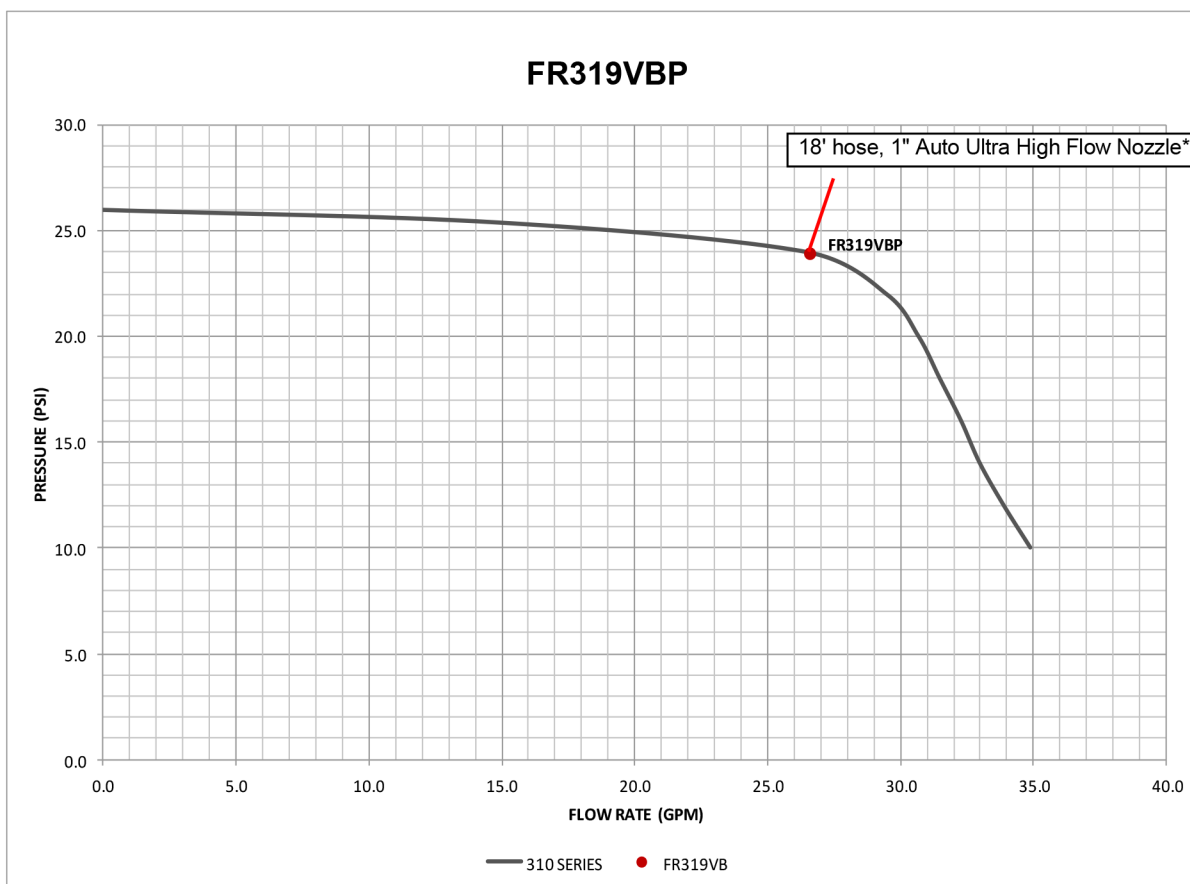
Pulser

- Designed to be compatible with a variety of Fuel Management Systems, with up to a current sink max of 180mA load.
- 10 pulses per unit: pulse output for gallons, liters, and quarts.

Intrinsically Safe Barrier

- AC or DC Power: Use either AC (90-240 VAC, 50-60 Hz) or DC (12-40 VDC, .2A) input voltage to provide external power for the meter. Incoming voltage is auto-sensing; no setting DIP switches.
- Intrinsically Safe Design allows for greater flexibility in installation.*
- Simple Installation: The Intrinsically Safe Barrier installs easily with three simple wiring connections: AC or DC input, Meter interface, and Fuel Management System interface.

PSI	GPM	Amp
26.0	0.0	9.3
25.4	14.9	9.8
24.0	26.5	9.8
20.0	29.5	9.4
22.0	30.7	9.2
18.0	31.5	9.0
16.0	32.3	8.8
14.0	33.0	8.4
12.0	33.9	8.3
10.0	34.9	8.2



Changes in temperatures, fluid viscosity, and system accessories may shift the performance curves.

Performance figures based on diesel fuel.



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