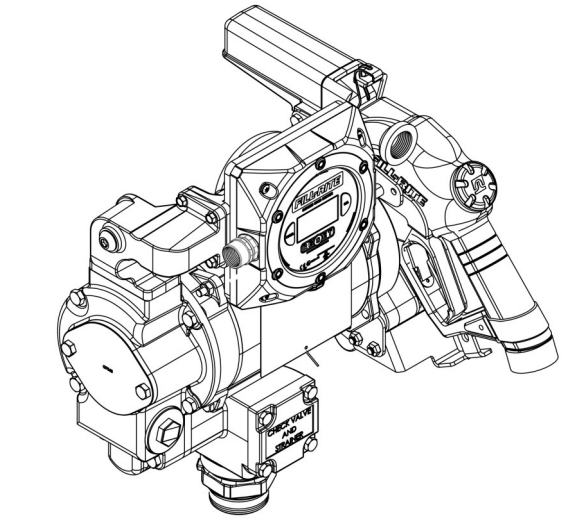
FILL-RITE®

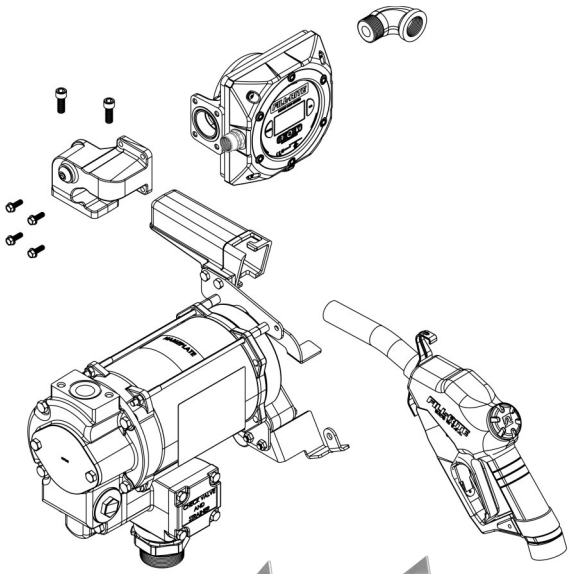
The Most Trusted Name in Pumps and Meters

FR319VBP S & E Data Sheet

Technical Information

Motor	
Power -AC 115, 230, 115/230	115/230
HZ 50, 60, 50/60	60 / 50
Power - DC 12, 24, 12/24	N/A
HP (horsepower) rating	¾
Power cord length	N/A
Power cord gauge	N/A
Power cord DC battery connectors	N/A
Amps (FLA)	9.8/4.9 11.4/5.7
RPM	1725/1425
Duty cycle	30 min
Thermal protection switch	Yes
Circuit protection fuse	None
Certification	UL, cUL
Pump	
Type- rotary, diaphragm, gear, vane	Vane
GPM in supplied configuration	26.6
GPM open flow - no hose or nozzle	33.4
By-pass pressure rating (psi) - Max	26
Dry vac (in Hg)	14
Head- Max	60’
Anti-siphon valve	Optional
Inlet - Size / Thread	1.25" / NPT
Outlet – Size / Thread	1" / NPT
Mount	bung
Materials of construction -pump housing	Cast Iron
Materials of construction- wetted material	Fluorocarbon / Buna
Rotor materials of construction	Powdered Iron
Rotor vane material of construction	Carbon
Compatible fluids	Diesel Fuel, Kerosene, Heptane, Hexane, Mineral Spirits
Max viscosity of fluids to pump	22cSt
Strainer mesh size	40x40
Warranty (yr)	2 Years



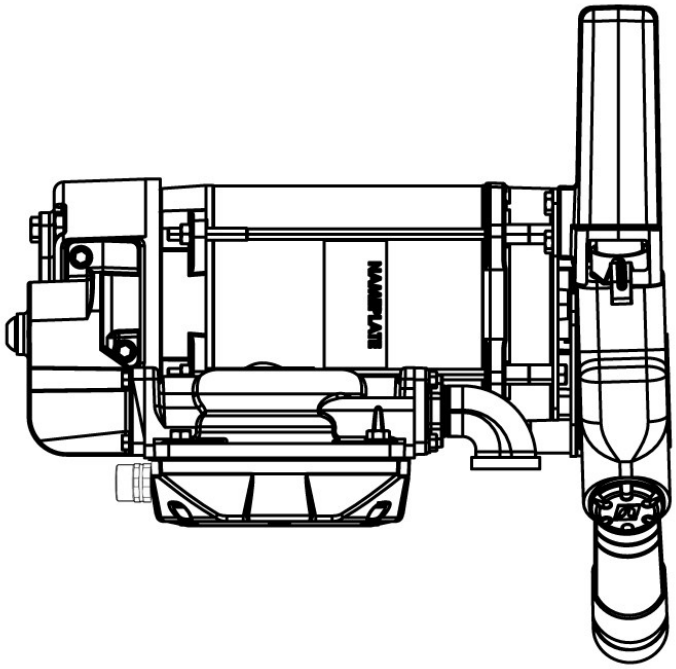


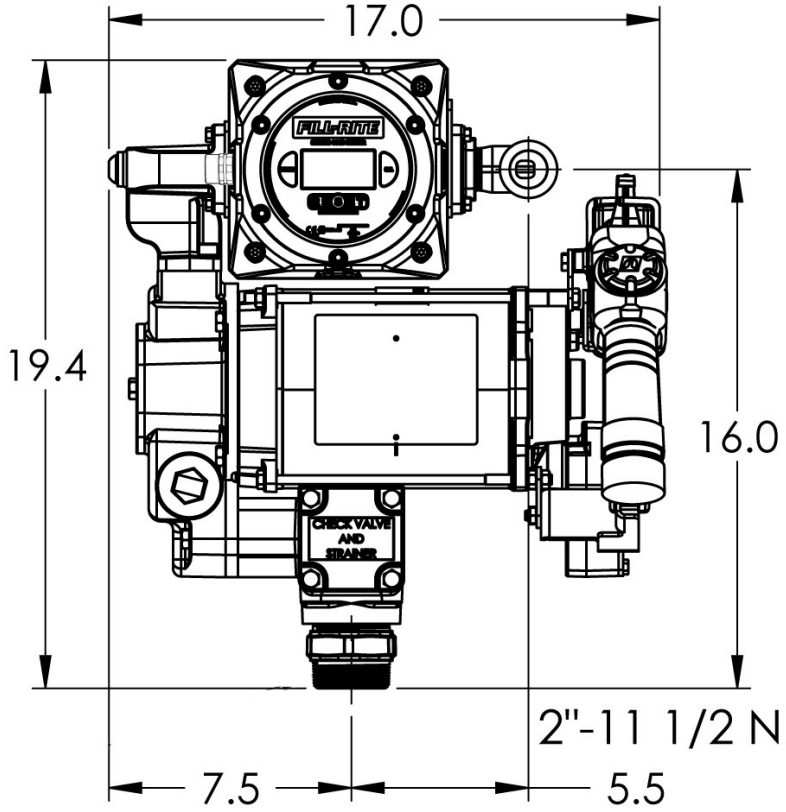
Tuthill

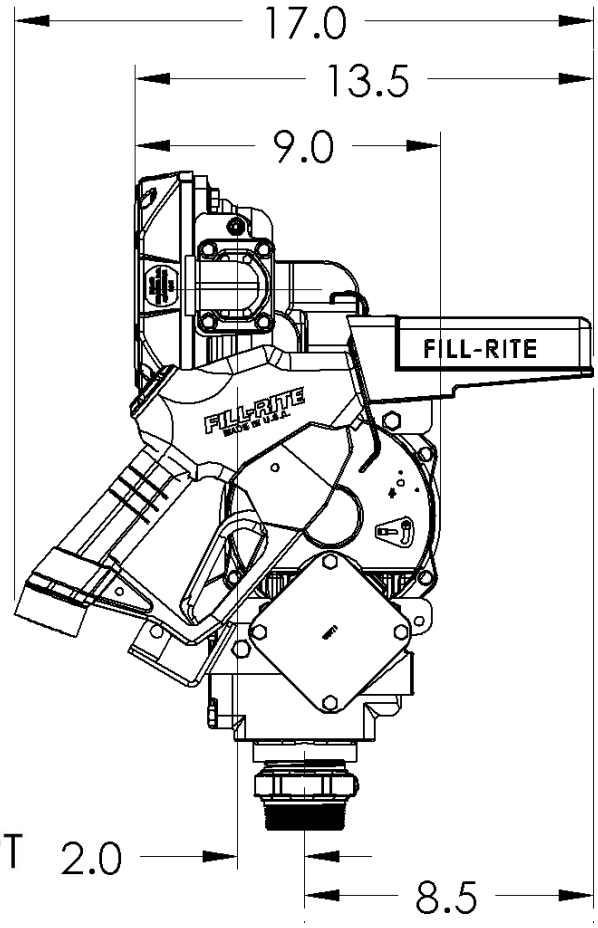
Tuthill Transfer Systems
Fort Wayne, Indiana
(800) 634-2695
www.tuthill.com

Dimensional Information

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.
Box Dimensions	21” L 20” W 17 ¾” H
Qty per Pallet	8

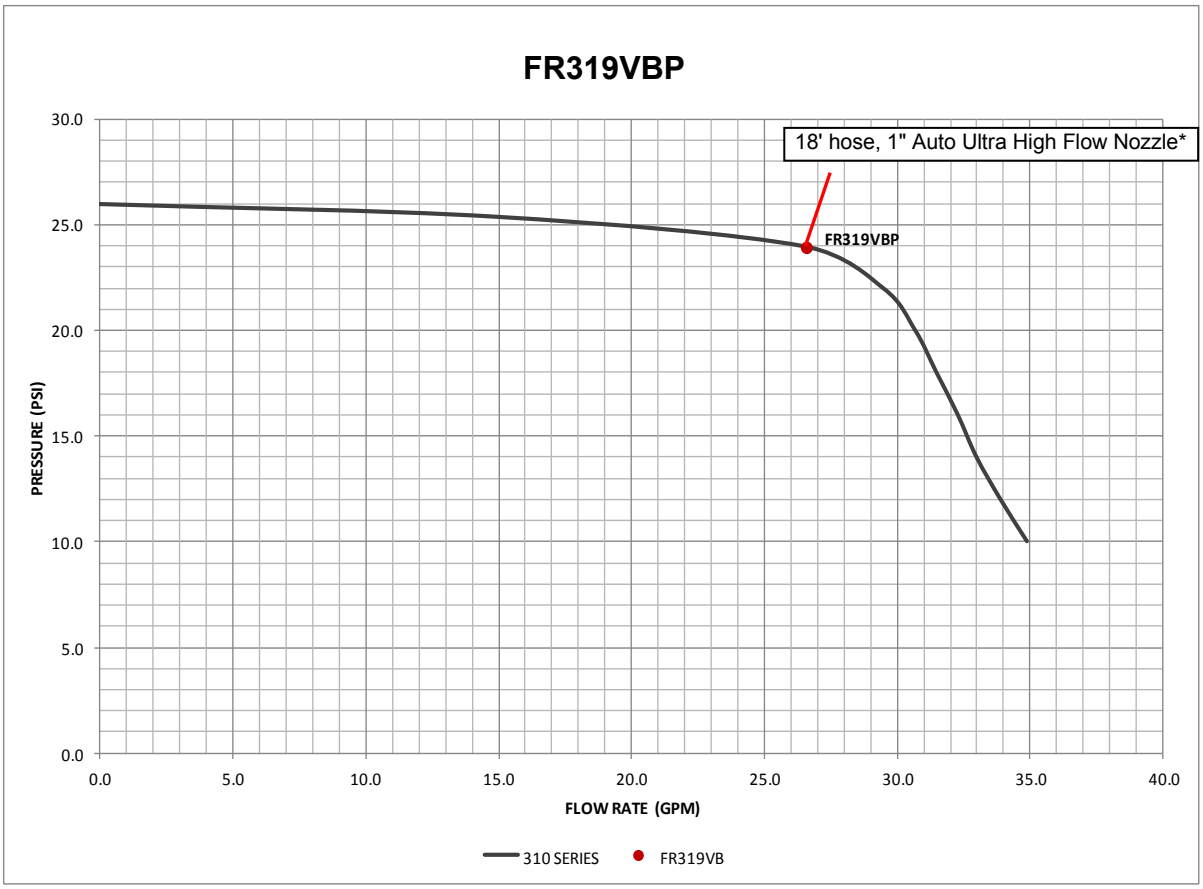






Performance Information

Pressure vs. GPM*			
psi	GPM	Amp	Notes
26.0	0.0	9.3	
25.4	14.9	9.8	
24.0	26.5	9.8	
22.0	29.5	9.4	
20.0	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.

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 – 60Hz) 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.

Accessories and Kits

Accessories	
Suction pipe material	N/A
Suction pipe length- extended/not extended	N/A
Nozzle- size	1" Ultra High Flow
Nozzle- manual / automatic	Automatic
Hose liquid materials compatibility	Diesel Fuel, Kerosene, Heptane, Hexane, Mineral Spirits
Hose diameter	1"
Hose length	18'
Hose material of construction	Black Nitrile Rubber
Hose static wire (Y/N)	Y
Filters size	N/A
Filter micron rating	N/A
Filter connection	N/A
Certifications	UL, cUL

Kit #	Description
KIT300SW	Switch lever, attaching hardware
KIT300JC	Junction box cover, O-ring seal, attaching hardware
KIT300BV	Bypass cap, O-ring seals, bypass body and poppet, spring, attaching hardware
KIT700SL	O-ring seals, retaining ring, nickel plated seals, stainless steel seals and spring
KIT300RG	Rotor, vanes, O-ring seals and attaching hardware
KIT700BG	Inlet adapter, AST 2 x 1-1/4
KIT300SG	Pressure relief valve, O-ring seals, gasket, check valve body, stem, and insert, attaching hardware, cover
KIT120NB	Nozzle boot, attaching hardware
KIT300BD	Gaskets, O-ring seals, bypass cap, flange cover
KIT300NR	Nozzle retainer, attaching hardware
KIT300OT	Outlet flange, O-ring seal, attaching hardware
KIT700AS	Anti-siphon valve, Teflon tape, elbow adapter, stainless steel braided hose, attaching hardware

* Barrier must be located out of weather and in a non-hazardous area.