FR300 Series

PRODUCT DATA SHEET

SKU FR310VE · FR310VEA · FR311VEL · FR311VEL-D · FR311VELA · FR311VELA-D

FILL-RITE FR300 115/230V AC Diesel Transfer Pump

Cast iron rotary vane pump for bung mounting on diesel storage tanks. Dual voltage 115/230 V AC motor, up to 130 L/min, with integral check valve, automatic bypass valve and thermal overload protection.



130 L/min

Maximum flow, FR310VE label

115/230 V AC

Dual voltage, 50/60 Hz

30 min

Duty cycle

Key features

- Cast iron housing, iron composite rotor and carbon composite vanes
- Voltage selector switch, factory set to 115 V AC
- Integral check valve with pressure relief and automatic bypass valve
- Thermal overload protection and easy access strainer
- Anti-siphon ready, and the nozzle can be padlocked to the pump
- Suction lift up to 5.5 m on diesel

Technical data

SPECIFICATION	VALUE
Order codes	FR310VE, FR310VEA, FR311VEL, FR311VEL-D, FR311VELA, FR311VELA-D
Flow rate	Up to 130 L/min
Supply	115/230 V AC, 50/60 Hz, single phase
Motor	3/4 HP, 1725/1425 RPM
Current at 230 V	4.9 A at 60 Hz, 5.7 A at 50 Hz
Duty cycle	30 minutes
Max outlet pressure	1.79 bar (26 psi)
Suction lift	5.5 m (18 ft) on diesel
Connections	2 in tank bung mount, 1 in outlet
Pump operating temperature	-25 °C to 66 °C
Motor ambient rating	40 °C max (E motor plate)
Fluids	Diesel, kerosene, biodiesel up to B20, heptane, mineral spirits
Certification, suffix E	ATEX II 2 G Ex db h IIA T4 Gb, IECEx Ex db IIA T4 Gb. Check the pump label
FR310VE, FR310VEA	Pump without meter
FR311VEL, FR311VELA	Adds 901C series mechanical meter, litre register

In the box

Tank adapter for 2 in bung mounting.

Installation and use

The pump leaves the factory set to 115 V AC, so set the voltage selector switch to 230 V before connecting. Wiring must be done by a licensed electrician.