SKU 402286919

FRANKLIN FE PETRO 1½ HP Submersible Turbine Pump

Fixed speed submersible turbine pump for underground fuel tanks, 50 Hz. Active air elimination, manual pressure relief, a contractor electrical disconnect and a variable length column set on site.



1½ hp
Fixed speed, 2875 rpm

70 mm
Line check valve

50 Hz
Single or three phase models

Key features

- Active air elimination through the highest point of the pump head
- Vent screw bleeds line pressure to zero for servicing
- Motor wiring disconnects by loosening one bolt
- Pump removes from the tank by unthreading three bolts
- Telescoping variable length, the VL2 fits 94% of installations
- Integral automatic thermal overload protection

Technical data

SPECIFICATION	VALUE
Order code	402286919
Motor	1½ hp fixed speed, 2875 rpm, multi-stage centrifugal
Supply, 150B models	Single phase 200 to 250 V AC, 50 Hz, max draw 9 A
Supply, 150C models	Three phase 380 to 415 V AC, 50 Hz, max draw 3 A
Max pressure	2.62 bar, standard three-stage model
Check valve	70 mm, fluorocarbon seal, cast aluminium body
Standard relief setting	Relieves at 2.76 bar, resets above 2.41 bar
Fluids	Gasoline up to 10% ethanol; diesel, fuel oils, kerosene, Avgas and jet fuels in a non-gelled pourable state
Max viscosity	70 SSU at 15 °C
Wetted elastomers	Fluorocarbon
Model length, VL1 / VL2 / VL3	150B: 1556 to 2298, 2344 to 3905, 3156 to 5499 mm
Manifold ports	Discharge 2 in NPT, riser 4 in NPT, leak detector 2 in NPT
Riser if supplied locally	4½ in OD by 3/16 in wall tubing

In the box

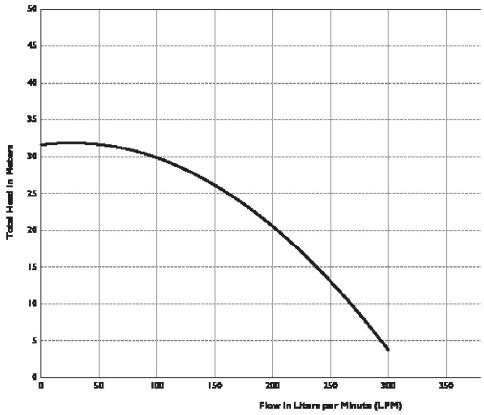
Venturi type syphon primer. Syphon check valve, secondary syphon and the pump controller are sold separately.

Installation and use

Only Franklin Electric certified installers and service technicians may install or service the pump. Confirm single phase (150B) or three phase (150C) supply and the length range against the site before ordering.

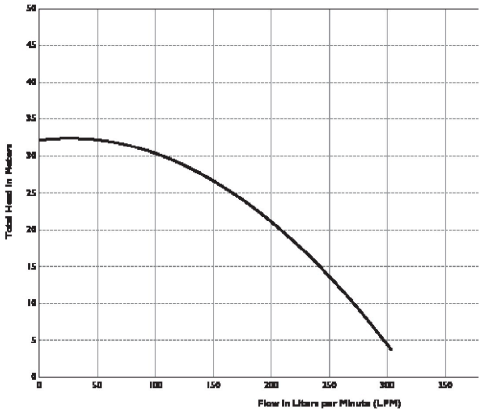
Performance

(STP150B)



Note: Performance based on pumping solvent (0.78 specific gravity). Pressure is taken at the manifold discharge outlet. Fixed Speed 1.5 HP was powered by Single-Phase, 50 Hz, 250 Volt incoming supply.

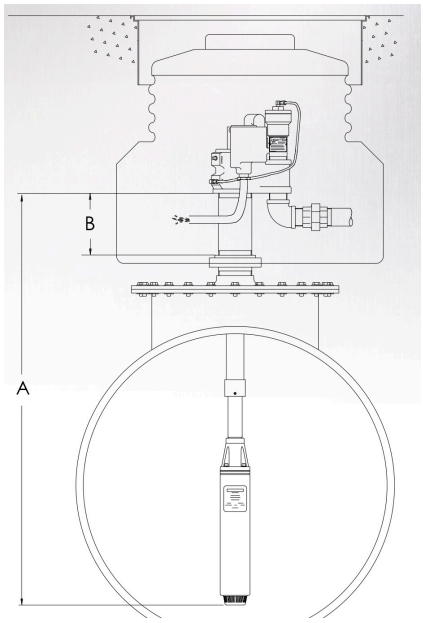
(STP150C)



Note: Performance based on pumping solvent (0.78 specific gravity). Pressure is taken at the manifold discharge outlet. Fixed Speed 1.50 HP was powered by Three-Phase, 50 Hz, 415 Volt incoming supply.

Total head against flow. STP150B single phase at 250 V, STP150C three phase at 415 V, 50 Hz, pumping 0.78 SG solvent, pressure at the manifold outlet

Dimensions



A is the model length, manifold bottom to pump motor inlet. B is the riser pipe length.