

Fuel Shut-off Valve for Diesel Engines



MSV-375

- For Engine Shutdown
- Manual Open
- Magnetic Latched
- Powered by Magnetic Pickup
- Compatible with Murphy SWICHGAGE® Controls
- Automatic Trip

Description

The MSV-375 is a semi-automatic fuel valve for diesel engines not having a maintained battery. It was designed for single cylinder oil field pumping machines. The MSV-375 is set manually and held open by an electrically energized coil. The coil receives its power from a magnetic pickup such as the Murphy MP-2072, mounted on a fly-wheel ring gear. The valve closes either manually or by a shunt-trip of the coil circuit by any SWICHGAGE®.

Specifications

Body: Brass.

Valve Seat: Buna N.

Port: 1/4 in. (6 mm) diameter.

Inlet and Outlet: 3/8 NPT.

Maximum Pressure: 90 psi (620 kPa).

Mounting Panel Thickness: 1/8 in. (3 mm) maximum.

Power Source: Magnetic pickup (MP-2072).

Pickup Mounting Thread: 5/8-18 UNF.

Minimum Requirement for Latching Power

Gap (pickup to gear): .005 to .010 in. (.127 to .254 mm).

Flywheel Speed (8 pitch gear): 390 in. (10 m) per second.

Flywheel Speed (12 pitch gear): 470 in. (12 m) per second.

To determine speed (inches per second), multiply idle RPM times ring gear diameter times 3.14 (π) and divide by 60 (see formula below).

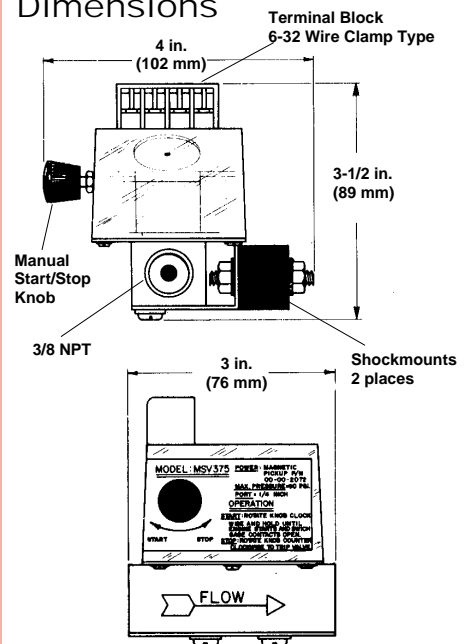
$$I.P.S = \frac{RPM \times \text{diameter} \times 3.14}{60}$$

How to Order

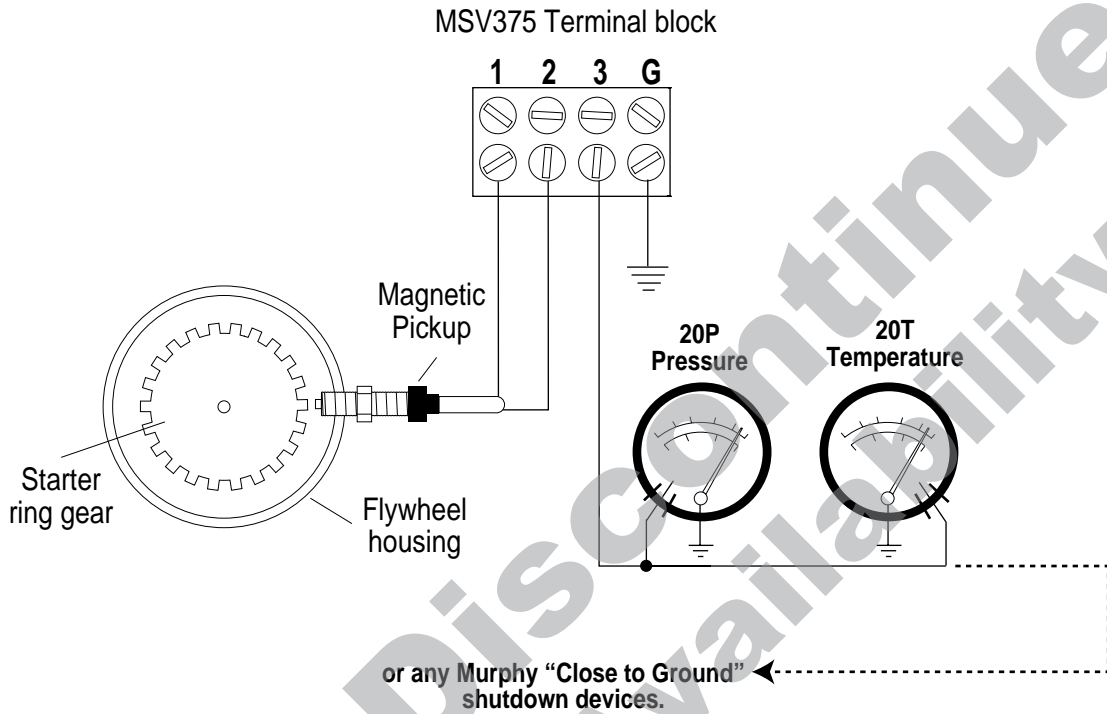
To order the MSV-375 valve specify "MSV-375".

To order the MP-2072 magnetic pickup specify "MP-2072".

Dimensions



Typical Wiring Diagram



In order to consistently bring you the highest quality, full featured products, we reserve the right to change our specifications and designs at any time.



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