

S30 Type Solenoid Operated Fluid Control Valve

HORTON

Normally closed solenoid operated valve with the following approvals

UL Recognized

- UL YIOZ2
- File #MH9636 (US)
- File #MH9636N (Canada)

Available configurations:

- Inlet: 3/4" - 11-1/2 NHT (garden hose)
1/4" - 18 NPT (1/4" male pipe)
- Outlet: 1/4" - 18 NPT
Hose barb for 1/4", 3/8" or 1/2" ID hose
Compression ftg. For 1/4" OD tubing



Description

Horton's S30 type single solenoid valve combines versatility, reliability and affordability in a compact design that fits well in many applications.

Available in several different voltages (12V AC, 24V AC/DC, 120V AC and 240V AC), the epoxy-encapsulated coil on this multi-purpose inlet water valve provides excellent dielectric properties, supporting an electromagnetic field while dissipating minimal energy in the form of heat.

The S30 is a pilot-operated valve. This method of operation is based on using the inlet pressure's servo effect to produce the necessary force to open the main orifice. The valve has 'bleed' orifices and one pilot orifice. When the coil is energized, the armature opens the pilot chamber and allows the line pressure to open the main orifice.

Correct operation depends on the inlet pressure being greater than the outlet pressure. The valve is designed to operate under pressures from 5-120 psi, and will yield flow rates from .15 to 10 gpm.

The polypropylene body (also available in nylon) is designed to withstand a variety of adverse water conditions, in addition to fluid temperatures up to 140 degrees. Each valve is equipped with a screen to protect against debris.

Applications

The S30 type valve is extremely flexible in its applicability. In addition to plumbing and heating equipment, this valve model is used in domestic dishwashers and icemakers, as well as commercial vending, dispensing and ice machines.

A variety of inlet/outlet configurations, coil positions, and mounting options are available.

