

N43 Type Solenoid Operated Fluid Control Valve

Normally closed solenoid operated valve with the following approvals

UL Recognized

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

Available configurations:

Inlet: 3/4" - 1 1/2 NHT Garden Hose

Outlet: Compression fittings for 1/4", 5/16" or 3/8" OD Tubing; Hose barb for 1/2" ID Hose

Bracket mounting: as shown or rotated 180°

Description

Horton's N43 type dual-coil solenoid valve combines versatility, reliability and affordability in a design that fits well in many applications.

Available in several different voltages, the 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 N43 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.

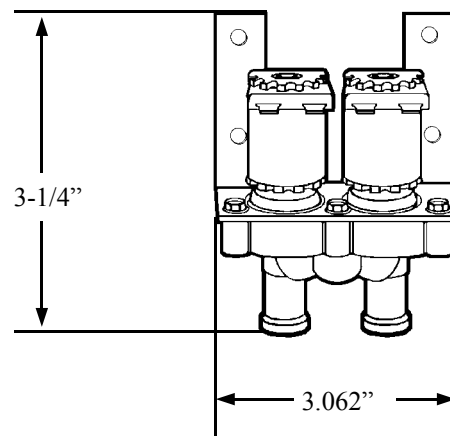
Correct operation depends on the inlet pressure being greater than the outlet pressure. The valve is designed to operate under pressures from 5-120 psi, and will yield flow rates from .15 to 8 gpm. Flow rate of each outlet can be controlled separately.

The polypropylene body 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 N43 type valve is extremely flexible in its applicability. This valve model is used in whirl-pool bath/specialty shower applications, commercial washers, icemakers, as well as commercial vending and dispensing machines.



Body: PP702 Polypropylene

Flow Rates: From .15—8 GPM

Coil Voltages: 12V-AC, 12V-DC, 24V-AC/DC, 120V-AC, 240V-AC

Coil Insulation: Class F

Mounting: As shown, plus other brackets available