

Features

- European & US approval for both electrical and potable water compliance
- Robust construction and long service life
- Wide selection of standard port connections
- Modular platform to facilitate client specific port options.

RS PRO Solenoid Valve

RS Stock No.: 342-017



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

An extensive range of pilot operated solenoid valves to provide safe conveyance, distribution and control of water services in a wide range of applications.

The key attributes are:

- European & US approval for both electrical and potable water compliance
- Robust construction and long service life
- Wide selection of standard port connections
- Modular platform to facilitate client specific port options.

Applications:

- Drinks dispense machines.
- Shower and bath systems
- Glass and dishwasher equipment
- Automatic taps

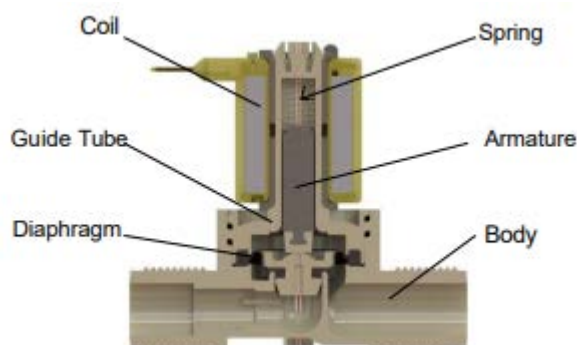
General Specifications

Supply Voltage	220-240 V ac
Number of Ports	2
Thread Standard	BSPP
Connection	1/2 in BSPP
Operation	Pilot Operated Normally Closed
Default Valve Position	NC
Suitable Application	Drinking Water
Type	2/2
Frequency	50 - 60 Hz
Body material	Nylon
Maximum Working Pressure	10 Bar
Operating Pressure	0.2 to 10 Bar
Operating Temperature Range	Maximum of +85 °C
Connection Gender	Male
Duty Cycle 100%	Tu 60°C (ambient), Tm 25°C (Cold Water)
Duty Cycle	3min ON/5 Min Off Tu 60°C (ambient), Tm 90°C (Hot Water)
Terminals	Two 6.35 x 0.8 mm male tab terminals or Rast 2.5

Approvals

Standards Met	Quality: ISO 9001:2015: Environment: ISO 14001: 2015
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Drawings and Other Specifications



Component	Material
Body	NYLON PA 6.6 30% Glass Filled
Guide type	NYLON PA 6.6 30% Glass Filled
Spring	AISI 316 stainless steel
Armature	Stainless Steel
Diaphragm & Armature Tip	Silicone
Coil Bobbin	Nylon PA 6.6 heat stabilised
Coil Encapsulation	Nylon PA 6 heat stabilised
Magnetic Circuit	Mild Steel 1.2 Galvanised bichromated
Mounting Bracket	Mild Steel 1.2 Galvanised bichromated

Chemical Resistance: If using strong or aggressive chemicals please verify the material compatibility by contacting us.

Mounting: The valves can be mounted via 2 self-tapping screws from the underside of the main body. Note: Avoid penetrating the diaphragm chamber with excess screw length.

Installation Requirements

	Instructions
Minimum Operating Pressure	0.2bar, for effective closure of diaphragm to valve seat
Minimum Differential Pressure	0.2bar, min pressure differential between inlet and outlet of valve
Inlet Mating Connection	Maximum torque setting 4.0 Nm
Water Quality	Solenoid valves are designed for use on potable clean water systems, excessive particulates can cause failure. Avoid direct connection to hot water boilers which may cause excess build-up of calcium deposits
Inlet Filter	0.4mesh filter must be fitted up stream of the valve; failure to use a filter upstream of diaphragm can cause failure
Service Life	50,000 operations under hot and cold-water conditions, service life will vary according to local water conditions and temperature