



3-WAY SOLENOID with Hydraulic Base

S-400-3W

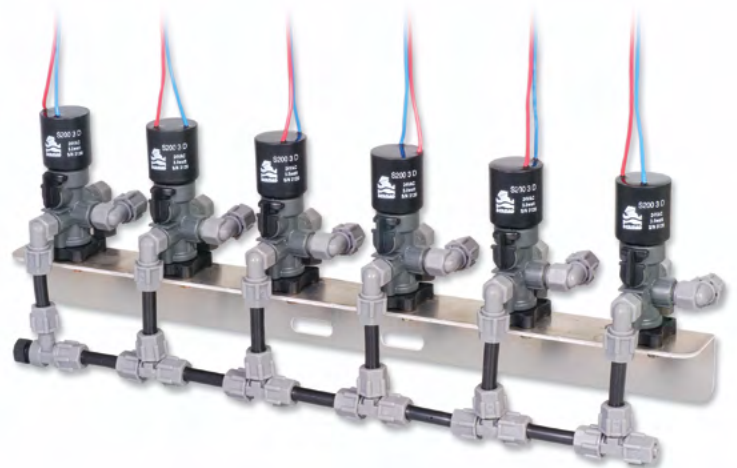
The BERMAD S-400-3W is a compact 3-Way Solenoid Pilot Valve that can control valves independently or in combination with other control circuit accessories. It excels in its low power consumption and low sensitivity to dirt and voltage variations. The Model S-400-D-3W-BB, due to its internal diode rectifier, provides remarkable high switching power. The Model S-400-R-3W-BB is lightning-resistant. The hydraulic base features a manual override and consists of a bracket for attaching to the valve or to a solenoid manifold.

Features & Benefits

- Advanced Construction Materials, Unique Plastic Casing
 - Proven pressure, voltage and weather resistance
 - Highly durable in corrosive environments
 - High mechanical strength
 - Protection Class- ip68; NEMA Type 6D
- Superb Internal Design and Finish
 - Reliable operation under dirt loaded water
 - Low sensitivity to voltage variations
 - 24VAC Coils Suite both 50Hz & 60Hz networks
- Low Power Consumption
 - Low coil heating and sediment damage
 - Saves wires and infrastructures costs
 - Suites all Continuous Current Controllers on the market
- Hydraulic Base with Installation Bracket
 - High flow capacity quickens valve response
 - No dirt sedimentation inside solenoid actuator
 - Manual override open and close
 - Simple installation to valve or manifold
- Simple Installation, Operation and Maintenance
- Reliable and Durable Product that Bears the Stamp of BERMAD Quality

Applications

- Solenoid controlled on/off valves
- Solenoid controlled pressure and flow control valves
- Multiple valve systems
- Systems distanced from control center
- Solenoid manifolds in irrigation heads
- Systems in areas liable to lightning storms (S-400-R)
Solenoid manifolds in irrigation heads





Specifications

Connections: 1/8" NPT

- 1- Vent
- 2- Valve Control Chamber (Common)
- 3- Pressure

Valve Anchoring: By Screws (Self Tapping #8) at the Solenoid base

Leads: 2 leads x 0.32 mm²; 28 AWG x 80 cm; 31½ inch

Pressure Rating: 10 bar; 150 psi

Pressure Range: 0-10 bar; 0-150 psi

Base Orifice Diameter:

Plastic Base 1.5mm

Metal Base 0.9mm

Base Flow Factor for Plastic Base:

KV-0.08 m³/h @ 1bar ΔP

CV- 0.09 GPM @ 1psi ΔP

Materials:

Actuator Casing: Nylon

Seals: NBR

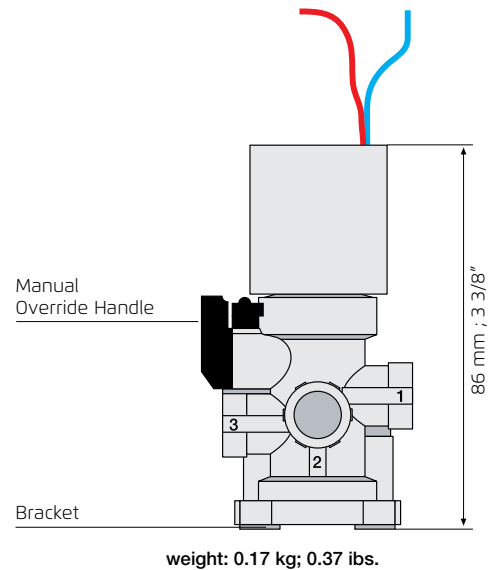
Wetted parts: Stainless steel 400 and polyamide

Base: Nylon (Optional: Brass)

Electrical Data:

Actuator Type	Cable Color	Power (Watt)	Current (Amp)		Coil Resistance ohm@20°C; 68°F
			Inrush	Hold	
S-400-24VAC-D-NO	Red/Blue	3.5	0.20	0.20	*
S-400-24VAC-D-NC	Red/Blue	3.5	0.20	0.20	*
S-400-24VAC-R-NO	Red/Red	3.5	0.60	0.30	14
S-400-24VAC-R-NC	Red/Red	3.5	0.60	0.30	14
S-400-24VDC-NO	Black/Black	4.2	0.17	0.17	135
S-400-12VDC-NO	Blue/Blue	4.0	0.33	0.33	36

* Coil resistance in these coils cannot be measured



weight: 0.17 kg; 0.37 lbs.

