

SOLENOID VALVES



1/4" 24V DC, 1/4" 220V AC

Solenoid valves are an electromechanical device used for controlling the flow of liquid. The valve features a solenoid which is an electric coil with a moveable ferromagnetic core (plunger). When an electric current is passed through the coil it creates a magnetic field that exerts an upward force on the plunger opening the inlet port allowing liquid to flow through.

A 2-way solenoid valve has 2 ports, an inlet and an outlet. Flow direction is critical to ensure proper operation so they should have a flow direction arrow.

SPECIFICATIONS

Direct action – Normal closed

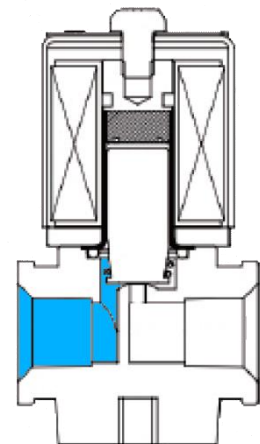
Media	Water
Response time	6 - 20 mSEC
Ambient temp	5 - 40°C
Temperature range	5 - 100°C
Max operating pressure	100 psi – 24V DC 120 psi – 220V AC
Pipe size	1/4" NPT
Orifice	2.5 mm (3/32")
CV	0.21

ELECTRICAL DATA

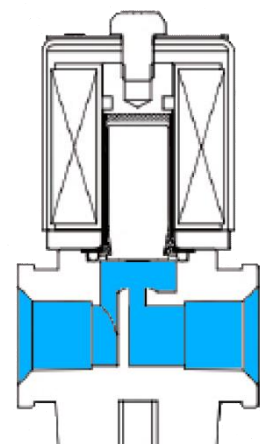
Power	AC 6.8VA (Holding) DC 5W
Voltage	24V DC 220V AC
Voltage variation	±10%
Insulation	Class B 130°C
Duty cycle	100%
Lead wire length	30 cm

MATERIAL

Head & plunger	Stainless steel 430 FR
Seal	EDPM
Body	PP & Fibreglass
Shading ring	Copper



CLOSED



OPEN



3/8" 220V AC

SOLENOID VALVES

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SPECIFICATIONS

Direct action – Normal closed

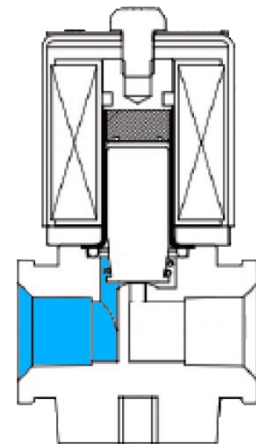
Media	Water
Response time	10 - 20 mSEC
Ambient temp	5 - 40°C
Temperature range	5 - 100°C
Max operating pressure	100 psi
Pipe size	3/8" NPT
Orifice	5 mm (3/16")
CV	0.5

ELECTRICAL DATA

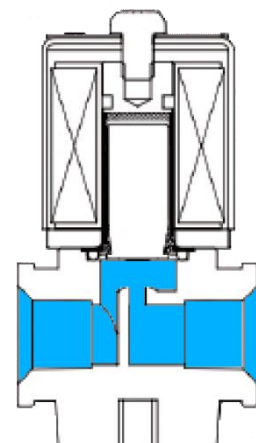
Power	AC 10VA (Holding) DC 9W
Voltage	220V AC 24V AC
Voltage variation	±10%
Insulation	Class B 130°C
Duty cycle	100%
Lead wire length	45 cm

MATERIAL

Head & plunger	Stainless steel 430 FR
Seal	EDPM
Body	Brass
Shading ring	Copper



CLOSED



OPEN



SOLENOID VALVES



1/2" & 3/4" 220V AC

Solenoid valves are an electromechanical device used for controlling the flow of liquid. The valve features a solenoid which is an electric coil with a moveable ferromagnetic core (plunger). When an electric current is passed through the coil it creates a magnetic field that exerts an upward force on the plunger opening the inlet port allowing liquid to flow through.

A 2-way solenoid valve has 2 ports, an inlet and an outlet. Flow direction is critical to ensure proper operation so they should have a flow direction arrow.

SPECIFICATIONS

Direct action – Normal closed

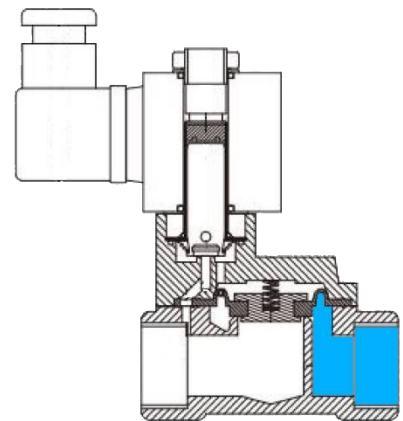
Media	Water	
Response time	50 mSEC	
Ambient temp	5 - 40°C	
Temperature range	5 - 100°C	
Max operating pressure	145 psi	
Pipe size	1/2" NPT	3/4" NPT
Orifice	13 mm	20 mm
CV	4.5	9.3

ELECTRICAL DATA

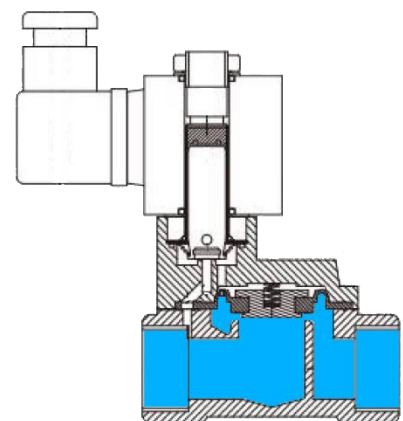
Power	AC 10VA (Holding) DC 9W
Voltage	220V AC 24V AC
Voltage variation	±10%
Insulation	Class F 155°C
Duty cycle	100%

MATERIAL

Head & plunger	Stainless steel 430 FR
Seal	Buna
Body	Brass
Shading ring	Copper



CLOSED



OPEN