

3/2 Solenoid Valve

Direct Acting with Isolating Membrane

This solenoid valve is direct-acting 3/2 (can also be used as 2/2) pivoted armature actuated. Its design includes a membrane that hermetically isolates the solenoid actuator from the fluid, making it less sensitive to abrasive or contaminated fluid than a plunger actuated solenoid. This solenoid valve provides best performance with maximum reliability and a long service life, even in seawater applications. The epoxy encapsulation efficiently dissipates heat, to suit continuous duty applications.

Features

- Dry electro-mechanical parts
- Solenoid isolated from fluid
- Manual override
- Normally open or closed version

Technical Data

Standard materials:

Body: Brass

Elastomers: NBR

Enclosure: Molded epoxy

Optional materials:

Body: Stainless steel 316

Ports: 1/4" NPT

Temperature:

Nominal ambient: 0.5 to 55°C (33 to 131°F)⁽¹⁾

Maximum fluid: 0 to 90°C (32 to 194°F)

Enclosure type: One-piece molded epoxy.

General purpose: IP 65 with DIN, cable plug

Electrical data:

Voltages:

(ac): 24, 110, 220 (50Hz)

(ac): 24, 120, 240 (60Hz)

(dc): 24, 110, 220

Tolerance: +/-10%

Power consumption:

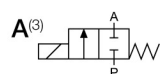
(ac): 30 VA, inrush; 15 VA (8W), holding

(dc): 8W

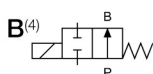
Hydraulic data:

Orifice DN	Flow Factor		Pressure Range	
	mm	Kv	Cv	Bar / psi
2.0	0.11	0.13	16	230

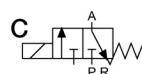
Circuit functions⁽²⁾



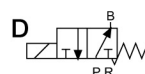
2/2-way
Normally Closed



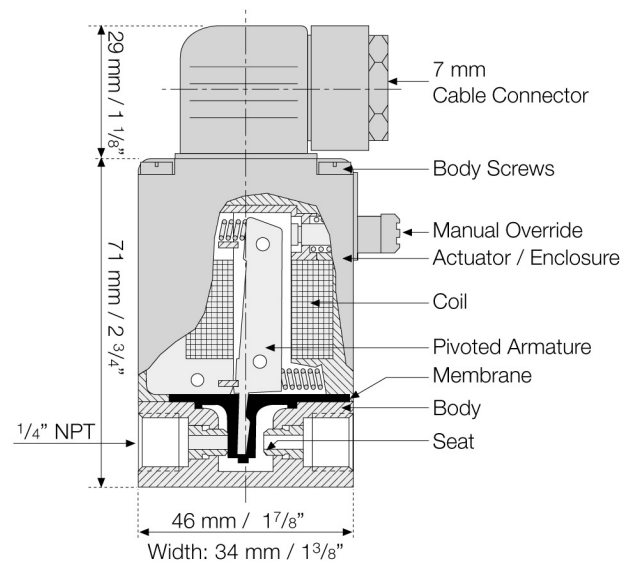
2/2-way
Normally Open



3/2-way
Normally Closed



3/2-way
Normally Open



Weight: 0.47 Kg / 1.0 lbs.

Notes:

- (1) Max ambient temperature is determined under continuously energized conditions, and with max. fluid temperature.
- (2) Solenoid must be applied only according to the defined circuit function. Disassembling the actuator from the body might cause solenoid malfunction.
- (3) 330A or 330C (R port is plugged)
- (4) 330B or 330D (R port is plugged)



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