

3-WAY SOLENOID VALVE

Direct Acting with Isolating Membrane

Model 330

This solenoid valve is direct acting 3-Way (can also be used as 2-Way) 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, Normally Closed or Latch versions



Technical Data

Ports: 1/4" NPT

General purpose: IP 65 with DIN, cable plug

Standard materials:

Body: Brass

Elastomers: NBR

Enclosure: Molded epoxy

Elastomers:

Body: Stainless Steel

Temperature:

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

Maximum fluid: 0 to 90°C; 32 to 194°F

Electrical data:

Voltages:⁽²⁾

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

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

(dc): 24

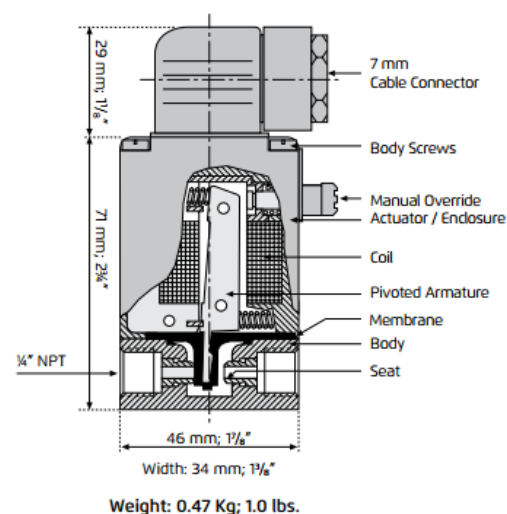
Latch: 12/24 DC

Tolerance: ±10%

Power consumption:

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

(dc): 8W



Hydraulic data:

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

Notes:

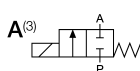
⁽¹⁾ Max. ambient temperature is determined under continuously energized conditions, and with max. fluid temperature.

⁽²⁾ Solenoid must be applied only according to the defined circuit function. Disassembling the actuator from the body might cause solenoid malfunction.

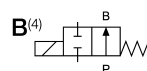
⁽³⁾ 330A or 330C (R port is plugged)

⁽⁴⁾ 330B or 330D (R port is plugged)

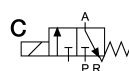
Circuit functions



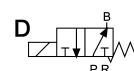
2-Way
Normally Closed



2-Way
Normally Open



3-Way
Normally Closed



3-Way
Normally Open



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