

# Series 1

## Inert isolation solenoid valves

### FEATURES

- 3-way diaphragm valves
- PTFE body and PTFE-insulated lead wires (also uses borosilicate glass wetted parts)
- Offers coils rated for 100 % duty and contained in a nickel-plated steel housing
- Uses low power
- Low internal volume
- Requires no pressure to operate



### MEDIA COMPATIBILITY

Liquids and gases

### WETTED MATERIALS

#### Materials contacting media:

PTFE, borosilicate glass

#### Body:

PTFE

### ELECTRICAL

Power 2.5, 4.2 W

Voltage 12, 24 V<sub>DC</sub>

Current/Resistance ( $\Omega \pm 5\%$  @ 21 °C)

12 V<sub>DC</sub> 211 mA/57  $\Omega$

24 V<sub>DC</sub> 173 mA/139  $\Omega$

### PHYSICAL PROPERTIES

Operating environment 10 to 66 °C

Weight (e.g. 3-way, 1/8" NPT body) 77 g

Porting 1/4"-28 threaded ports

Internal volume 68  $\mu$ l

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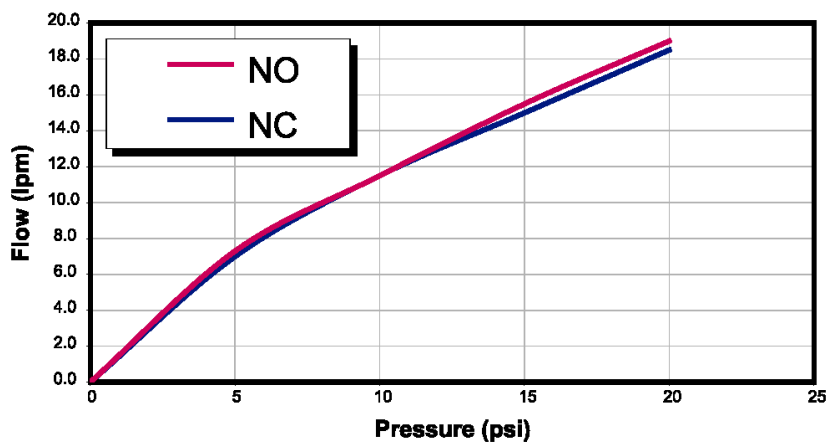
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### PERFORMANCE CHARACTERISTICS

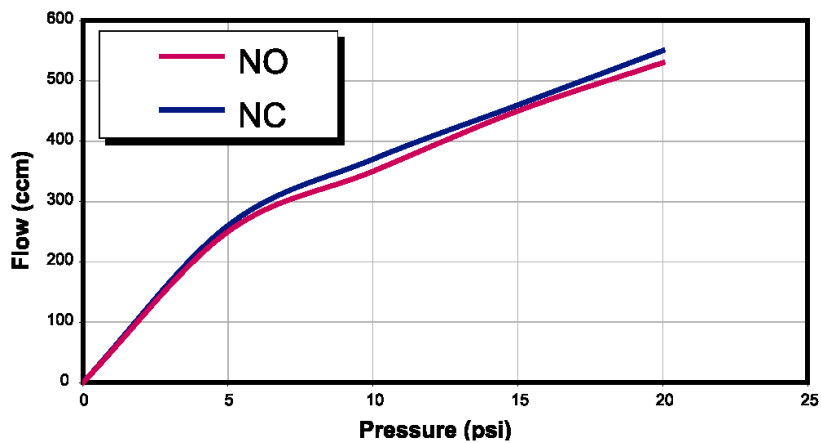
Part no.	Pressure	Orifice sizes	Leak rate	Response
See Ordering Information	Vacuum...1.4 bar (20 psi)	0.060" (1.52 mm)	Bubble tight	20 ms

### FLOW CURVES

#### Air flow, 0.060" orifice



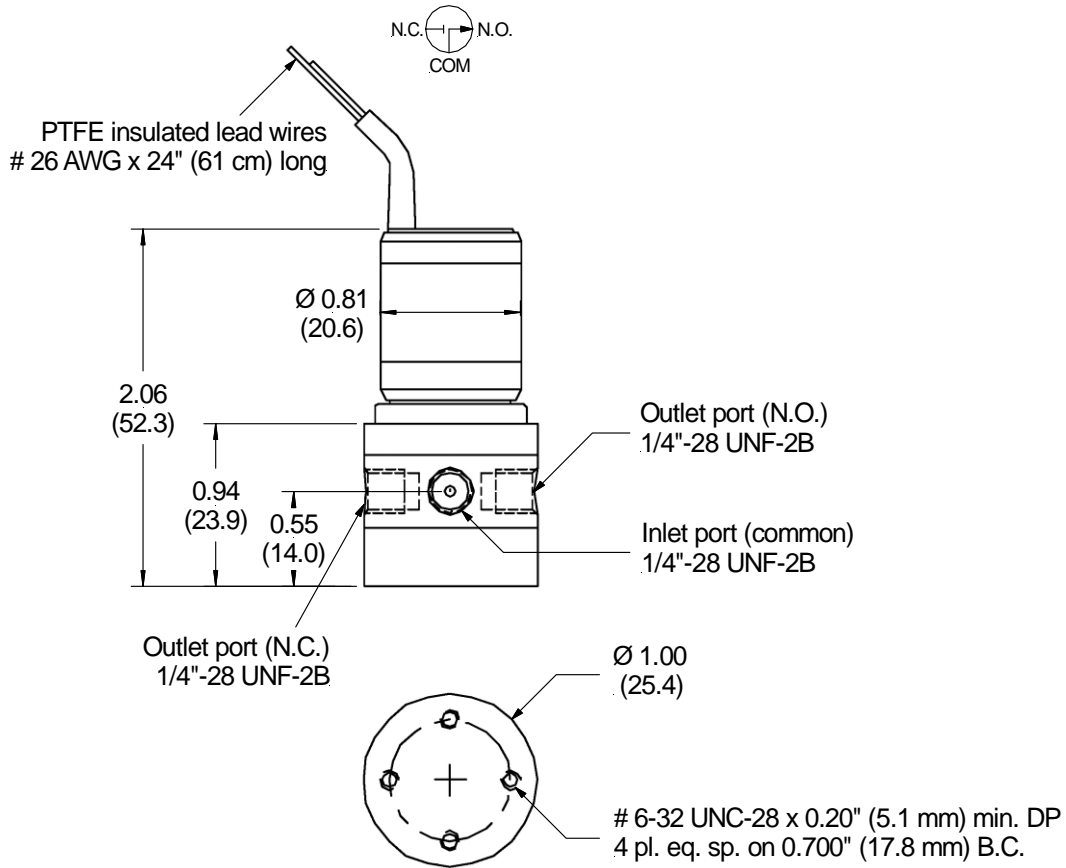
#### Water flow, 0.060" orifice



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### OUTLINE DRAWING



dimensions in inches (mm)

### ORDERING INFORMATION

Part No.	Type	Operating Pressure	Orifice	Voltage	Porting
001-0017-900	3-way	Vac...1.4 bar (20 psi)	1.52 mm (0.060")	12 V <sub>DC</sub>	1/4"-28
001-0028-900				24 V <sub>DC</sub>	

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