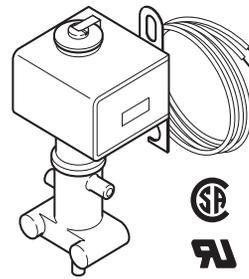


Solenoid Air Valves

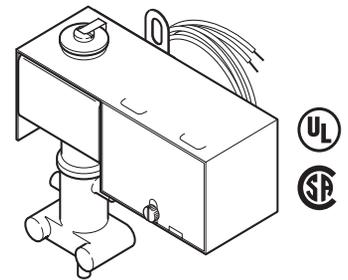
For applications where an electrical circuit is used to control a pneumatically-operated device. Used to direct supply air to a pneumatic device when the coil is energized or de-energized, depending on the supply and exhaust air connects.

Features:

- Open frame or junction box construction accommodates a wide variety of NEMA 1 mounting locations.
- Available in 24, 120, 208, 240, or 480 Vac models.
- Supplied with 18 in. electrical leads for ease of installation.
- Corrosion-resistant plastic body.
- Barbed fittings for 1/4 in. O.D. plastic tubing.



AL-17x



AL-18x

Model Chart

Model No.		Voltage (AC 60 Hz)	Replacement Coil Part Numbers
Open Frame	J-Box		
AL-170	AL-180	24	PNR-325-024
AL-171	AL-181	120	PNR-325-120
N/A	AL-181-201 ^a	120	PNR-325-120
N/A	AL-182	208	—
N/A	AL-183	240	—
N/A	AL-185	480	PNR-325-480

^a with wire harness.

Specifications

Valve inputs

Power input	5.7 Watts (energized). 17.3 VA Inrush. 9.2 VA Holding.
Voltage	For available voltages, refer to Model Chart.
Electrical connections	18 in. (457 mm) leads on the coil.
Maximum inlet air pressure	30 psig (207 kPa). Clean, dry, oil free air is required (reference EN-123).
Air connections	Three plastic ferrules included for plastic 1/4 in. tubing (PKG-1141). N.C., Normally closed, Port 1. N.O., Normally open, Port 2. COM, Common, Port 3.

Valve outputs

Flow capacity	519 scim (142 mL/sec) at 15 psig (103 kPa) supply with 1 psig (6.9 kPa) drop.
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Environment

Ambient temperature limits	Shipping: -40 to 150°F (-40 to 65°C). Operating: 40 to 130°F (4 to 54°C). Supply air: 40 to 130°F (4 to 54°C).
Humidity	50 to 95% RH, non-condensing.
Location	NEMA Type 1.

Mounting	Vertical with solenoid at top (as shown).
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Dimensions

AL-17x	3-5/16 H x 1-9/16 W x 1-7/32 D in. (84 x 40 x 31 mm).
AL-18x	3-3/4 H x 3-13/16 W x 1-3/8 D in. (95 x 97 x 35 mm).

Typical Applications

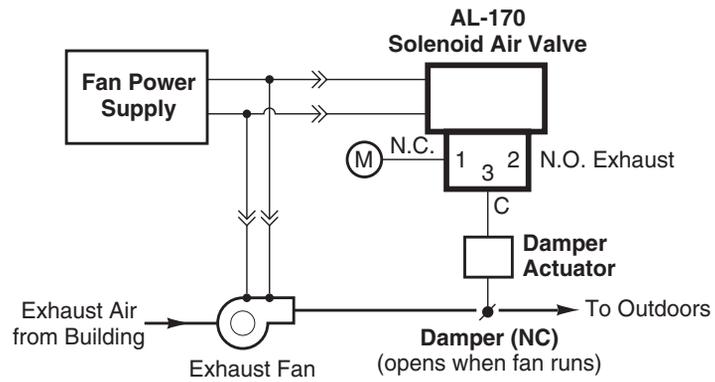


Figure 1 Typical Application Diagram.