

V11

## Three-Way Solenoid Air Valve

### Description

The V11 Three-Way Solenoid Valve is used in applications where an electrical circuit operates a pneumatic control device.

Refer to *V11 Series Three-Way Solenoid Air Valve Product Bulletin (LIT-7171550P)* for important product information.

### Application

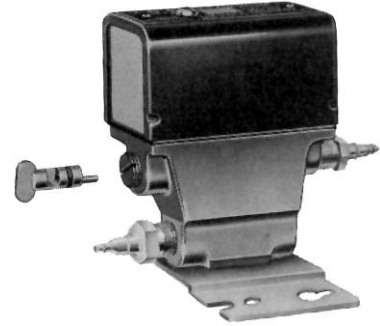
All V11 Series air valves are designed for use as operating devices. Where an operating control failure would result in personal injury and/or loss of property, it is the responsibility of the installer to add devices or systems to protect against, or warn of, control failure.

### Features

- two-position action
- three piping connections marked:
  - N.O. (normally open)
  - N.C. (normally closed)
  - COM (common)
- can be operated manually by removing the plug and inserting a key
- furnished with an attached bracket
- operates in any position
- positive air seal

### Repair Information

If the V11 Three-Way Solenoid Valve fails to operate within its specifications, replace the unit. For a replacement valve, contact the nearest Johnson Controls® representative.



**V11HAA-100 Solenoid and Y99AA-4C Manual Opener Key**

### Selection Charts

#### V11 Three-Way Solenoid Valve

Code Number	Description
V11HAA-100	110/120 V, 50/60 Hz
V11HBA-100	220/240 V, 50/60 Hz
V11HCA-100	208 V, 50/60 Hz
V11HDA-100	440/480 V, 50/60 Hz
V11HFA-100	277 V, 50/60 Hz
V11HGA-100	24 V, 50/60 Hz
V11HAA-115	110/120 V, 50/60 Hz Includes Internal Grounding Lug
V11PNA-105	24 VDC

#### Accessories for V-11 Series

Code Number	Description
Y99AA-4C	Manual Opener Key

### Technical Specifications

V11 Three-Way Solenoid Valve		
<b>Air Connections</b>		1/4 in. Barb Connections in Common Port and Normally Closed Port; Normally Open Port is 1/8 in. NPT (Internal)
<b>Ambient Temperatures</b>	<b>Alternating Current Models</b>	Minimum 32°F (0°C) Maximum 140°F (60°C)
	<b>Direct Current Models</b>	Minimum 32°F (0°C) Maximum 104°F (40°C)
<b>Conduit Opening</b>		7/8 in. Diameter
<b>Finish</b>	<b>Valve Body</b>	Dull Gray (Iridate)
	<b>Cover and Case</b>	Zinc Plated
<b>Material</b>	<b>Valve Body</b>	Die Cast Aluminum
	<b>Cover and Case</b>	Cold, Rolled Steel
<b>Maximum Pressure Rating</b>		30 psig (210 kPa)
<b>Operating Pressure (All Three Ports)</b>		0 to 25 psig (0 to 175 kPa)
<b>Power Consumption</b>	<b>Alternating Current Models</b>	6 Watts
	<b>24 VDC Models</b>	9 Watts
<b>Pressure and Flow Ratings</b>		With a 15 psig (103 kPa) Inlet and 0 psig (0 kPa) Outlet. The valve will pass 1.5 cfm (2592 scim) of air from the Common to the Normally Closed connection (when energized) or from the Common to the Normally Open connection (when de-energized).
<b>Wiring Connections</b>		18 in. Wire Leads
<b>Agency Listing</b>		UL Guide No. YIOZ, File 3536 except V11PNA-105