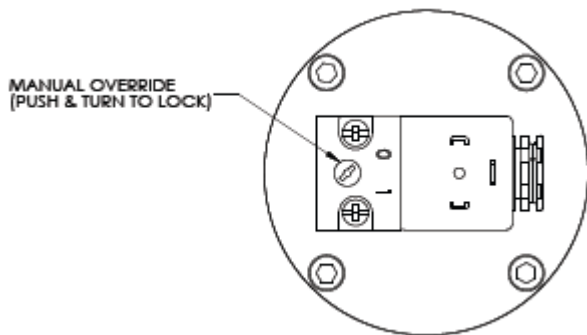


Lexair, Inc.

Normally Closed 2-Way Solenoid/Pilot Operated Poppet Valves with Integrated DIN Style Solenoids



Dual function manual override with “push- and- release” momentary or “push-and- turn to lock” operation



- UL Recognized/CSA approved coil on standard solenoids
- NEMA 4 electrical protection on standard solenoids
- Standard DIN 43650 “Form A” electrical connection
- Dual Function Manual Override with “push-and-release” momentary or “push-and-turn” to lock operation
- Main valve body features vacuum-500 PSI capability standard – higher pressure ratings are available, consult the factory
- Main valve can be used with air, liquids or gases – solenoid operator is for use with compressed air or gases that are compatible with Viton® seals
- Maximum standard solenoid valve inlet pressure is 232 PSI (16 bar)
- Intrinsically Safe Solenoid is available with a maximum inlet pressure of 115 PSI (8 bar) which can be used in the following Hazardous Locations:
Class I: Groups A, B, C and D
Class II: Groups E, F and G
Class III: Division 1
- Typical additional height is 1.5 inches or less than a direct pilot operated valve with no solenoid
- Solenoid inlet port is 1/8” NPT
- 1/4”, 3/8”, 1/2” and 3/4” models all feature an 8:1 pilot ratio
- 1” models feature a 4:1 or 10:1 pilot ratio
- 1-1/4” models feature a 3:1 or 10:1 pilot ratio
- 1-1/2” models feature a 2:1 or 10:1 pilot ratio
- 2” models feature a 1:1 or 10:1 pilot ratio

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DESCRIPTION	MODEL NUMBER
1/4" NPT, 8:1 Pilot Ratio	424504-X*
3/8" NPT, 8:1 Pilot Ratio	424506-X*
1/2" NPT, 8:1 Pilot Ratio	424508-X*
3/4" NPT, 8:1 Pilot Ratio	424512-X*
1" NPT, 4:1 Pilot Ratio	431416-X*
1" NPT, 10:1 Pilot Ratio	424516-X*
1-1/4" NPT, 3:1 Pilot Ratio	431420-X*
1-1/4" NPT, 10:1 Pilot Ratio	424520-X*
1-1/2" NPT, 2:1 Pilot Ratio	434724-X*
1-1/2" NPT, 10:1 Pilot Ratio	434524-X*
2" NPT, 1:1 Pilot Ratio	434732-X*
2" NPT, 10:1 Pilot Ratio	424532-X*

*X= voltage

Coil Voltages

-1 120 VAC

-2 240 VAC

-4 6 VDC

-5 12 VDC

-6 24 VDC

-61 24 VDC Intrinsically Safe

-7 24 VAC

Currently available voltages are 120 VAC which is suffix "1", 24 VDC which is suffix "6" or the Intrinsically Safe Solenoid which is suffix "61".

Ordering example: 434524-1 would be a 1-1/2" NPT, 10:1 Pilot Ratio model with a 120 VAC solenoid coil.

Drawings are available for the models shown above if exact dimensions are necessary. Please contact the factory to receive a PDF version or other format if needed.

Note: Valves with standard solenoids are supplied without the mating connector. Valves with intrinsically safe solenoids include a matching strain relief connector.

Smaller sizes of the standard ratio normally closed or normally open valves can be provided upon request, consult the factory for more information on these products.

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