



Note: This valve also available as an operator. Refer to following page.

Series 20 >> Model H24

High Pressure – 3-Way Normally Open Valve

Using the heart of the highly successful model H22, Peter Paul Electronics has a valve that allows the same media control as a three way normally open valve but at much higher pressure ratings than previously available. Pressure applied to the “IN” port must always be equal to or greater than the pressure in “CYL” port. Air and other non-corrosive gases, water and oil.

- Made for higher pressure ratings.
- Precision stainless steel plunger.
- Kel-F pin and elastomeric sealing elements.
- Orifice guides the sealing pin for near perfect alignment.
- Simple construction...only three moving parts.

OPERATING CONDITIONS

Media: Air and other non-corrosive gases, water and oil.

Filtration: Down to 60 microns or less is recommended.

Valve Temperature Range: Standard Valves - 0°F (-18°C) to 104°F (40°C) ambient; 0°F (-18°C) to 150°F (65°C) media. Optional Valves - can tolerate much higher or much lower ambient and media temperatures.*

Maximum Operating Pressure Differentials: See table on proceeding page.

Burst Pressure: 6,000 PSI

Leakage: Bubble tight

ELECTRICAL CHARACTERISTICS

Coil Voltage: 1.8 to 265V DC

Nominal Power: DC – 9.5 Watts

Coil Construction: Molded (Std.), Non-molded Class A and Potted Class F, (Class H optional)

Typical Response Time on Air: 4 - 16 Milliseconds

Operating Speed: Up to 600 CPM with gas media

Duty Cycle: Continuous

MECHANICAL CHARACTERISTICS

Body: Stainless Steel (Std.)

Internal Components: Stainless Steel

Sealing Pin: Kel-F and urethane dynamic seals. Buna static seal. Many other options available.*

Orifice Diameter: See table on proceeding page.

Porting: 1/8" and 1/4" NPT (other ports available).*

Mounting: Must be mounted within 30° of vertical.

Housing: Grommet and 1/2" NPT conduit - many options available.*

Listings: Most valves are UL and CSA listed.*

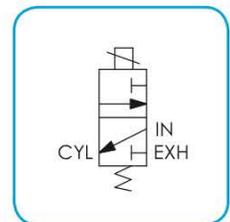
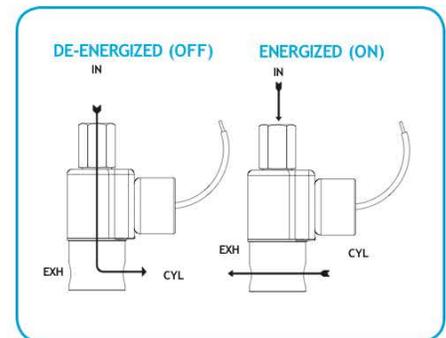
Life Expectancy: Millions of cycles, depending on application, lubrication, etc.

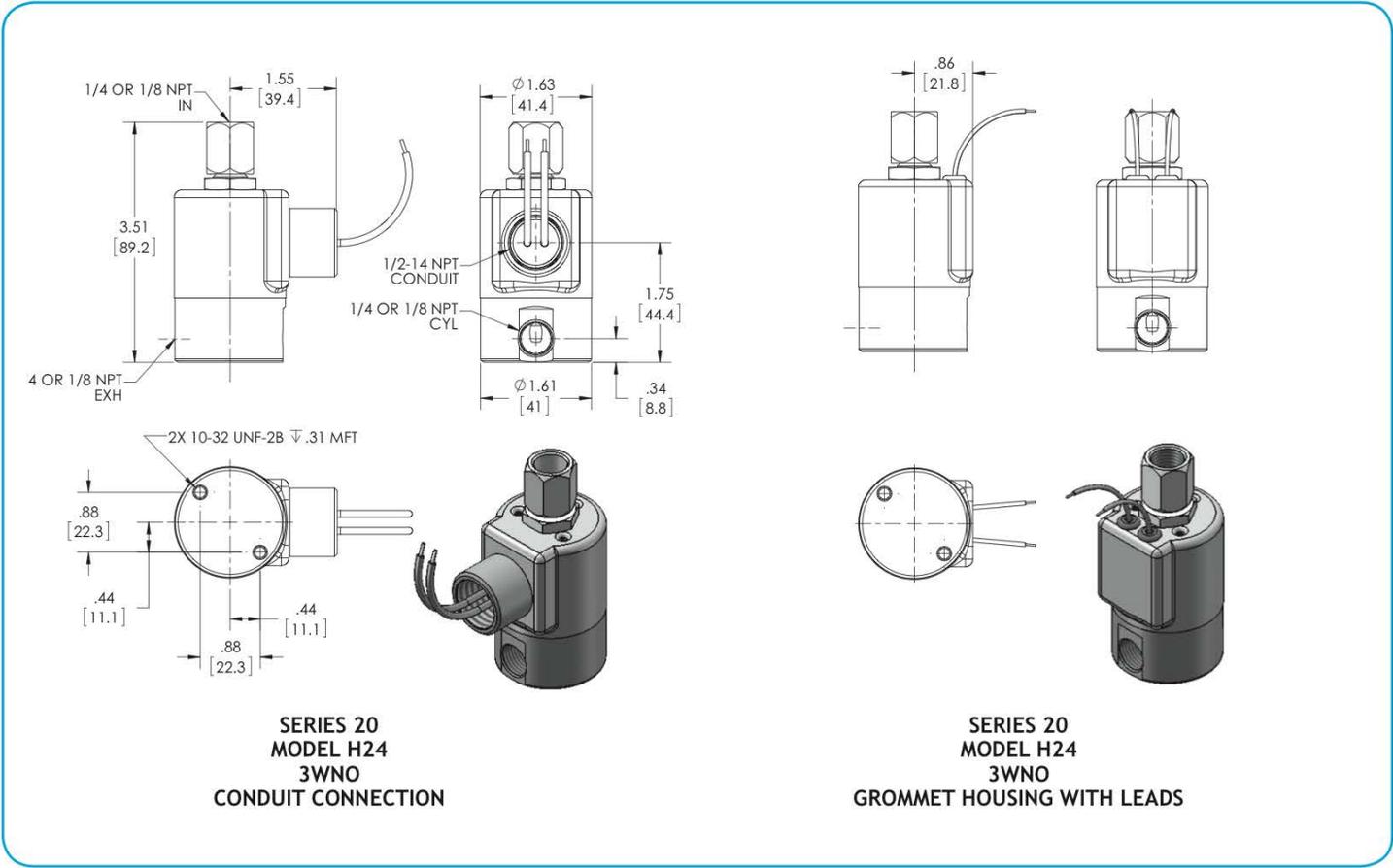
Valve Weight: 1.17 lbs

Repair Packs: See table on proceeding page.

Options: Alternate Elastomers, Alternate Sealing Pin Materials, Spade Terminal Coil, and European Style DIN*

* Consult representative or factory for options and specifications.





**SERIES 20
MODEL H24
3WNO
CONDUIT CONNECTION**

**SERIES 20
MODEL H24
3WNO
GROMMET HOUSING WITH LEADS**

VALVE SPECIFICATIONS

MAX. OPER. PRESS. DIFF. DC	ORIFICE SIZE		CV FACTOR		GROMMET HOUSING		CONDUIT HOUSING	
	N.O.	N.C.	N.O.	N.C.	1/8 NPT PORTS	1/4 NPT PORTS	1/8 NPT PORTS	1/4 NPT PORTS
1000*	0.6 mm	1/32	.010	.022	H24MG7XGM	H24MG9ZGM	H24MG7XCM	H24MG9ZCM

* FKM seals not recommended for pressure above 500 psi.

ORDERING INFORMATION:

WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE VALVE NUMBER. EXAMPLES: VALVE (H24MG7XGM 120/60) REPAIR PACK (KH24MGX AC)

WHEN ORDERING OPERATORS ADD THE LETTER "O" TO THE FRONT OF THE VALVE NUMBER, REPLACE BODY PORT NUMBER WITH THE LETTER "D": EXAMPLE: OPERATOR (QH24MG7DGM 120/60)