

GENERAL PURPOSE VALVES



Series 20 >> Model 24

3-Way Normally Open Valve

A complete line of valves with a great selection of options and exceptional proven performance. The standard in the field. Air, water, and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, and many oils require special seal materials.

- The flagship valve initially created for fluid power industry.
- Heavy duty and made of stainless steel.
- A real workhorse with proven performance.
- It has the greatest amount of options available of all the valves.
- Wide range of orifice sizes from 1/32" to 1/8".

OPERATING CONDITIONS

Media: Air, water, and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, and many oils require special seal materials. (Series 20 pressure ratings may change due to the viscosity of the liquid.)*

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: 5000 PSI

Leakage: Bubble tight for standard valves.

Vacuum: To 5 Microns*

ELECTRICAL CHARACTERISTICS

Coil Voltage: 6 to 825V AC 60 HZ. and 5 to 720V AC 50 HZ. – 1.8 to 265V DC

Nominal Power: AC – 8.7 Watts DC – 9.5 Watts

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

Typical Response Time on Air: 4 - 16 Milliseconds

Operating Speed: Up to 600 CPM

Duty Cycle: Continuous

MECHANICAL CHARACTERISTICS

Body: Stainless Steel (Std.) or Brass (Opt.)

Internal Components: Stainless Steel

Elastomers: Nitrile (Buna) (Std.). Many other elastomers available.*

Orifice Diameter: See table on proceeding page.

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

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

Listings: Most valves are UL and CSA listed.*

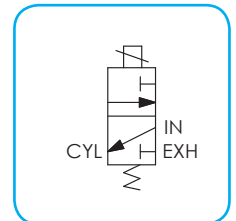
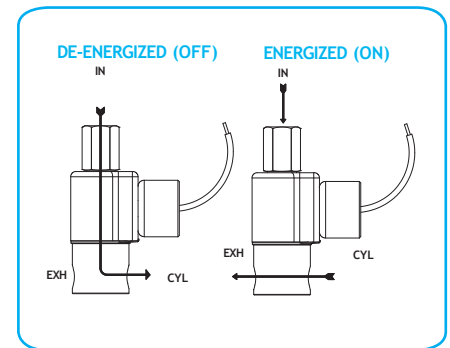
Life Expectancy: Millions of cycles, depending on application, lubrication, etc.

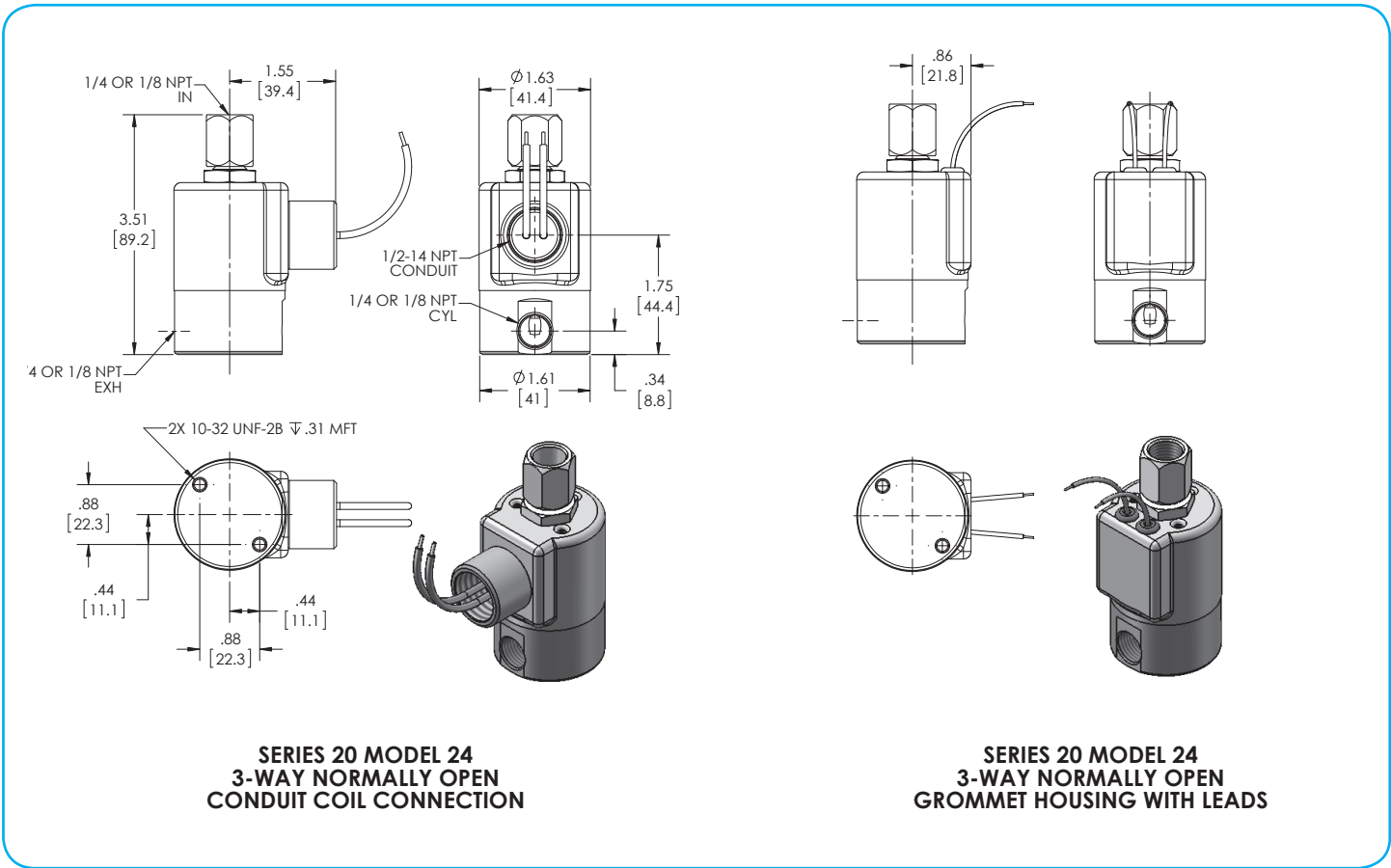
Valve Weight: Grommet Valve: 1.13 lb Conduit Valve: 1.19 lb

Repair Packs: See table on proceeding page.

Options: Alternate Port Locations, Metering, Manual Override, Alternate Elastomers, Spade Terminal Coil, European Style DIN, Explosion Proof and Magnetic Latching Coil

* Consult representative or factory for options and specifications.





**SERIES 20 MODEL 24
3-WAY NORMALLY OPEN
CONDUIT COIL CONNECTION**

**SERIES 20 MODEL 24
3-WAY NORMALLY OPEN
GROMMET HOUSING WITH LEADS**

VALVE SPECIFICATIONS

+ MAX. OPER. PRESS. DIFF.		ORIFICE SIZE		CV FACTOR		VALVE NUMBER		CONDUIT HOUSING	
AC	DC	N.O.	N.C.	N.O.	N.C.	GROMMET HOUSING	GROMMET HOUSING	1/8 NPT PORTS	1/4 NPT PORTS
						1/8 NPT PORTS	1/4 NPT PORTS	1/8 NPT PORTS	1/4 NPT PORTS
400	400	1/32	1/32	.024	.024	24GG7XGV	24GG9ZGV	24GG7XCV	24GG9ZCV
150 (225)	150	3/64	1/16	.052	.095	24HJ7XGV	24HJ9ZGV	24HJ7XCV	24HJ9ZCV
100 (150)	100	1/16	1/16	.095	.095	24JJ7XGV	24JJ9ZGV	24JJ7XCV	24JJ9ZCV
100 (150)	100	1/16	3/32	.095	.156	24JK7XGV	24JK9ZGV	24JK7XCV	24JK9ZCV
100 (125)	100	1/16	1/8	.095	.284	24JN7XGV	24JN9ZGV	24JN7XCV	24JN9ZCV
75 (90)	75	3/32	1/8	.156	.284	24KN7XGV	24KN9ZGV	24KN7XCV	24KN9ZCV
30	30	1/8	1/8	.201	.284	24NN7XGV	24NN9ZGV	24NN7XCV	24NN9ZCV

^ VALVES WITH 1/8 N.O. ORIFICE ARE UL LISTED ONLY

WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE VALVE NUMBER. EXAMPLES: VALVE (24JK9ZGV-120/60) REPAIR PACK (K24JKX-AC)

+ Ratings in brackets are optional extended ratings; consult factory.