

GENERAL PURPOSE VALVES



Series 20 >> Model 23

3-Way Normally Closed – Piped Exhaust

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 1/4".

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.*

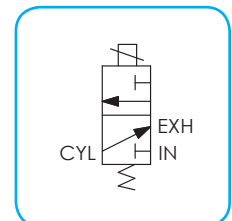
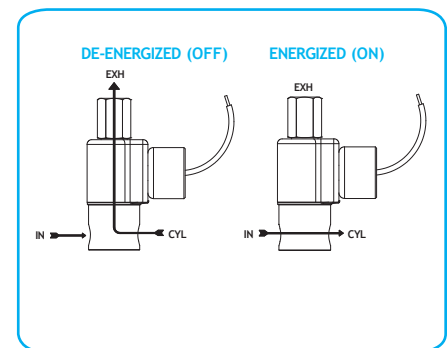
Life Expectancy: Millions of cycles, depending on application, lubrication, etc.

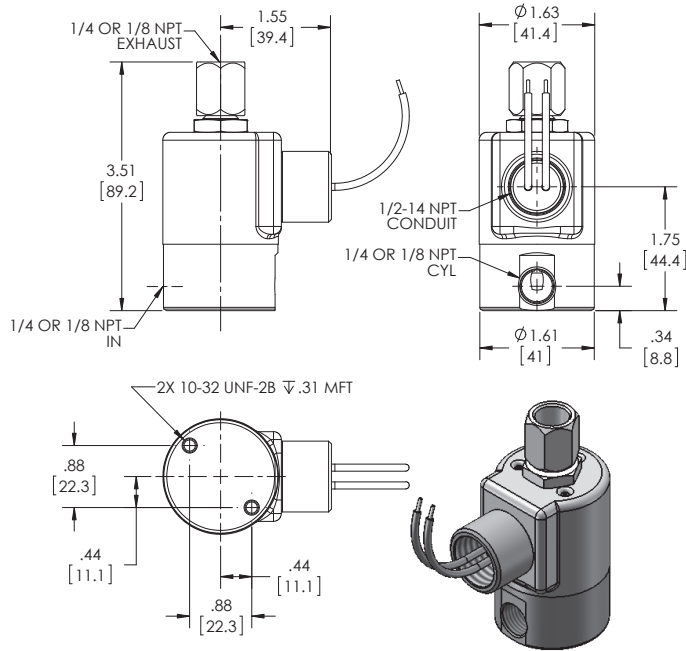
Valve Weight: Grommet Valve: 1.13 lb Conduit Valve: 1.19 lb

Repair Packs: See table on proceeding page.

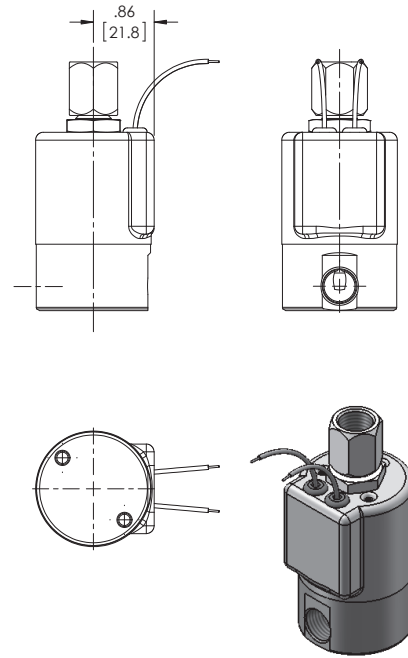
Options: Alternate Port Locations, Metering, Manual Override, Alternate Elastomers, Spade Terminal Coil, European Style DIN, Explosion Proof and Magnetic Latching Coil

* Consult representative or factory for options and specifications.





**SERIES 20 MODEL 23
3WNC PIPED EXHAUST
CONDUIT COIL CONNECTION**



**SERIES 20 MODEL 23
3WNC PIPED EXHAUST
GROMMET HOUSING WITH LEADS**

VALVE SPECIFICATIONS

+ MAX. OPER. PRESS. DIFF.		ORIFICE SIZE		CV FACTOR		VALVE NUMBER			
AC	DC	N.C.	N.O.	N.C.	N.O.	GROMMET HOUSING		CONDUIT HOUSING	
						1/8 NPT PORTS	1/4 NPT PORTS	1/8 NPT PORTS	1/4 NPT PORTS
400	400	1/32	1/32	.024	.024	23GG7XGV	23GG9ZGV	23GG7XCV	23GG9ZCV
150 (200)	150 (200)	3/64	1/16	.052	.095	23HJ7XGV	23HJ9ZGV	23HJ7XCV	23HJ9ZCV
100 (135)	100 (135)	1/16	1/16	.095	.095	23JJ7XGV	23JJ9ZGV	23JJ7XCV	23JJ9ZCV
100 (135)	100 (135)	1/16	3/32	.095	.156	23JK7XGV	23JK9ZGV	23JK7XCV	23JK9ZCV
75 (100)	75 (100)	3/32	3/32	.156	.156	23KK7XGV	23KK9ZGV	23KK7XCV	23KK9ZCV
50 (70)	50 (70)	1/8	3/32	.284	.156	23NK7XGV	23NK9ZGV	23NK7XCV	23NK9ZCV
35 (40)	35 (40)	1/8	1/8	.284	.201	23NN7XGV^	23NN9ZGV^	23NN7XCV^	23NN9ZCV^
20	20	3/16	3/32	.500	.156	23PK7XGV	23PK9ZGV	23PK7XCV	23PK9ZCV
20	20	3/16	1/8	.500	.201	23PN7XGV^	23PN9ZGV^	23PN7XCV^	23PN9ZCV
15	—	1/4	3/32	.700	.156	23RK7XGV	23RK9ZGV	23RK7XCV	23RK9ZCV
15	—	1/4	1/8	.700	.201	23RN7XGV^	23RN9ZGV^	23RN7XCV^	23RN9ZCV^

^ 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 (23JK9ZGV-120/60) REPAIR PACK (K23JKX-AC)

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