

SERIES 50 MODEL 53

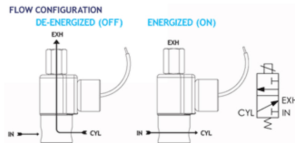


3-WAY NORMALLY CLOSED (piped)

Our original mini — engineered for space economy without sacrificing performance. Typical applications include medical, analytical instrumentation. Air, water, and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, and many oils require special seal materials.

- Tough with options to use in hazardous location environments or low watt applications.
- High quality engineering.

[series-50-model-53-piped.pdf](#)



Specifications	Drawings	Flow Chart Tab	Nomenclature Tab				
MAX. OPER. PRESS. DIFF.			ORIFICE SIZE	CV FACTOR	VALVE NUMBER	GROMMET HOUSING	CONDUIT HOUSING
AC	DC	N.C.	N.O.	N.C.	N.O.	1/8 NPT PORTS	1/8 NPT PORTS
200	200	1/32	1/32	.022	.020	53GG8XGM	53GG8XCM
150	150	3/64	3/64	.055	.048	53HH8XGM	53HH8XCM
150	150	3/64	1/16	.055	.075	53HJ8XGM	53HJ8XCM
100	100	1/16	1/16	.075	.075	53JJ8XGM	53JJ8XCM
60	60	3/32	1/16	.156	.075	53KJ8XGM	53KJ8XCM
50	50	3/32	3/32	.156	.150	53KK8XGM	53KK8XCM
30	30	1/8	1/16	.230	.075	53NJ8XGM	53NJ8XCM
30	30	1/8	3/32	.230	.150	53NK8XGM	53NK8XCM

Ordering Information:

When ordering valves or repair packs add voltage and frequency to complete valve number. for examples: valve (53JJ8XGM 120/60) repair pack (K53JJX 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 (O53JJ8DGM 120/60)

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 50 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 See table above.

Differentials:

Burst Pressure: 5000 PSI

Leakage: Bubble tight for standard valves.

Vacuum: To 5 Microns*

Electrical Characteristics:

Coil Voltage: 12/DC, 24/DC, 48/DC, 125/DC, 120/60-110/50, 240/60-220/50, and 24/60.

Nominal Power: AC – 6.0 Watts, DC – 7.0 Watts

Coil Construction: Molded and potted Class F. (Class H optional)

Typical Response Time on Air: 4 - 16 Milliseconds

Operating Speed: Up to 600 CPM

Duty Cycle: Continuous

Mechanical Characteristics :

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

Internal Components: Stainless Steel. Copper – AC Only.

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

Orifice Diameter: See table above.

Porting: Standard 1/8" 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: 0.38 lb Conduit Valve: 0.44 lb

Repair Packs: See table above.

Options:
Alternate Port Locations, Metering, Alternate Elastomers, Low Wattage, Spade Terminal Coil and Explosion Proof

* Consult representative or factory for options and specifications