

SERIES MLV15 MODEL 153 - EXHAUST TO ATMOSPHERE

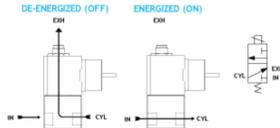


3-WAY NORMALLY CLOSED (e to a)

3-Way Normally Closed – Magnet Latching Valve
(exhaust to atmosphere)

The little black box – magnetic components encased in epoxy for durability and reliability. Interior parts are stainless steel and anodized aluminum. The valves may be used with air, inert gas and liquid media at pressures from vacuum to 200 psi – depending upon orifice size and configuration. For those who require extra heat resistance and media compatibility, FKM and other elastomers are available.

- Small, lightweight and economical.
- Operating pressures from vacuum to 200 psi.
- Quality design and construction.



[series-mlv15-model-153-e-to-a.pdf](#)

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VALVE SPECIFICATIONS

| MAX. OPER. PRESS. DIFF. DC | ORIFICE SIZE | | CV FACTOR | | VALVE NUMBER | | DIN COIL |
|-------------------------------|--------------|------|-----------|------|--------------|------------|----------|
| | N.C. | N.O. | N.C. | N.O. | LEADED COIL | | |
| 150 | 1/32 | 1/32 | .022 | .020 | 153GG2DGLM | 153GG2DELM | |
| 75 | 3/64 | 3/64 | .055 | .048 | 153HH2DGLM | 153HH2DELM | |
| 55 | 1/16 | 1/16 | .075 | .075 | 153JJ2DGLM | 153JJ2DELM | |
| 50 | 3/32 | 3/32 | .130 | .130 | 153KK2DGLM | 153KK2DELM | |

Ordering Information:

When ordering valves or repair packs add voltage and frequency to complete valve number. for examples: valve (828B12DELM 12/DC) repair pack (K828BDL DC)

When ordering operators add the letter "O" to the front of the valve number, replace body port number with the letter "D": example: operator (O828B12DELM 12/DC)

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 15 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, 24/DC

Nominal Power: DC – 10.5 Watts

Coil Construction: Molded Class F, (155 C°)

Typical Response Time on Air: Approximately 50 millisecond pulse to energize and de-energize.

Operating Speed: Up to 600 CPM

Mechanical Characteristics :

Body: Anodized Aluminum (Std.)

Internal Components: Stainless Steel

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

Orifice Diameter: See table above.

Porting: 1/8" NPT (Std.)

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

Valve Weight: 0.27 lb to 0.30 lb depending on model and housing style.

Repair Packs: See table above.

Options: Round Brass or Stainless Steel Body, Stackable Construction and Alternate Elastomers.

* Consult representative or factory for options and specifications