

SERIES 30 MODEL 33

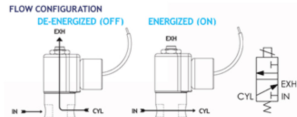


3-WAY NORMALLY CLOSED (e to a)

Complete range of valves particularly suitable when cost and size are major factors. The bodies are constructed of brass (stainless steel is optional). Air, water, and other fluids compatible with standard Buna seals. Hot water, steam, gasoline, and many oils require special seal materials.

- Brass body with stainless steel internal construction.
- A smaller, cost effective alternative to any industry standard.

[series-30-model-33-e-to-a.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 |
| 300 | 300 | 1/32 | 1/32 | .024 | .024 | 33GG5DGM | 33GG5DCM |
| 175 | 175 | 3/64 | 1/16 | .052 | .095 | 33HJ5DGM | 33HJ5DCM |
| 125 | 125 | 1/16 | 1/16 | .095 | .095 | 33JJ5DGM | 33JJ5DCM |
| 75 | 75 | 3/32 | 3/32 | .160 | .160 | 33KK5DGM | 33KK5DCM |
| 50 | 50 | 1/8 | 3/32 | .275 | .160 | 33NK5DGM | 33NK5DCM |

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| Ordering Information: | |
| When ordering valves or repair packs add voltage and frequency to complete valve number. for examples: valve (33JJ5DCM 120/60) repair pack (K33JJD 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 (O33JJ5DCM 120/60) | |

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| 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 30 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* |

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| 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 – 8.0 Watts DC – 8.0 Watts |
| Coil Construction: | Molded (Std.), Non-molded Class A 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 |

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| Mechanical Characteristics : | |
| Body: | Brass (Std.) or Stainless Steel (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: 0.75 lb Conduit Valve: 0.81 lb |
| Repair Packs: | See table above. |
| Options: | Alternate Port Locations, Metering, Manual Override, Alternate Elastomers, Spade Terminal Coil |

* Consult representative or factory for options and specifications