Series 20 >> Model E26

Hazardous Location — 3-Way Multi-Purpose Valve

Peter Paul explosion proof valves are used where fire or explosion hazards exist due to the presence of flammable gases or vapors, flammable liquids, combustible dust, or easily ignitable fibers. Hazardous Location valves are recommended, or in some cases compulsory, where a high level of protection from explosion is required.

- **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”.

Note: This valve also available as an operator. Refer to following page.

### 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 next page.

**Burst Pressure:** 5,000 PSI

**Leakage:** Bubble tight for standard valves.

**Vacuum:** To 5 Microns

### Electrical Characteristics

- **Coil Voltage:** 6 to 825VAC 60 HZ. and 5 to 720VAC 50 HZ. — 1.8 to 265VDC
- **Nominal Power:** AC — 7.3 Watts, DC — 9.5 Watts
- **Coil Construction:** Molded Class F with third wire ground (Std.), Class H or Potted (Opt.)
- **Typical Response Time on Air:** 4 - 16 Milliseconds
- **Operating Speed:** Up to 600 CPM
- **Duty Cycle:** Continuous

### Mechanical Characteristics

- **Body:** Stainless Steel (Std.)
- **Internal Components:** Stainless Steel. Copper - AC Only.
- **Elastomers:** Nitrile (Buna) (Std.). Many other elastomers available.
- **Orifice Diameter:** See table on next page.
- **Porting:** 1/8” and 1/4” NPT (others ports available).
- **Housing:** Flame-Proof construction with 1/2” NPT conduit
- **Listings:** Valves are UL listed and CSA certified for Hazardous Locations — Class I, Div 1, Group C and D - Class II, Div 1, Group E, F, and G; Div 2 Groups A, B, C, D, E, F, and G.
- **Life Expectancy:** Millions of cycles, depending on application, lubrication, etc.
- **Valve Weight:** 1.50 lbs
- **Repair Kits:** See table on next page.
- **Options:** Alternate Port Locations, Metering, Manual Override, Alternate Elastomers

* Consult representative or factory for options and specifications.
# VALVE SPECIFICATIONS

<table>
<thead>
<tr>
<th>MAX. OPER. PRESS. DIFF.</th>
<th>ORIFICE SIZE</th>
<th>CV FACTOR</th>
<th>VALVE NUMBER</th>
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<tbody>
<tr>
<td>AC</td>
<td>DC</td>
<td>N.C.</td>
<td>N.O.</td>
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<tr>
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<td>1/32</td>
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<td>35</td>
<td>1/8</td>
<td>1/8</td>
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</tbody>
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^ VALVES WITH 1/8 ORIFICE ARE NOT UL OR CSA LISTED

**ORDERING INFORMATION:**

WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE VALVE NUMBER. EXAMPLES: VALVE (E26NK9ZCCM 120/60) REPAIR PACK (2KE26NK 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 (OE26NK9DCCM 120/60)