HAZARDOUS LOCATION VALVES

Series 20 >> Model E23
Hazardous Location — 3-Way Normally Closed Valve Piped Exhaust

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 1/4".

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 — 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
Elastomers: Nitrile (Buna) (Std.). Many other elastomers available.*
Orifice Diameter: See table on proceeding 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 proceeding page.
Options: Alternate Port Locations, Metering, Manual Override, Alternate Elastomers*

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

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^ VALVES WITH 1/8 ORIFICE ARE NOT UL OR CSA LISTED
+ Ratings in brackets are optional extended ratings; consult factory.

### ORDERING INFORMATION:

**WHEN ORDERING VALVES OR REPAIR PACKS ADD VOLTAGE AND FREQUENCY TO COMPLETE VALVE NUMBER. EXAMPLES: VALVE (E23KK9ZCCM 120/60) REPAIR PACK (2KE23KKAZ AC)**