

HAZARDOUS LOCATION VALVES



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

Series 20 >> Model E22 C/I Rated

Hazardous Location – 2-Way Normally Closed

PeterPaul offers a line of Hazardous Location rated, Automatic Safety Shut Off Valves designed specifically for gas appliances. These valves meet the standards for Commercial/Industrial (C/I) Safety Shut Off Valves per ANSI Z21.21 (CSA 6.5). They are well suited for use in heating equipment, furnaces, ovens, kilns, boilers and gas generators.

- Potted coil for outdoor service.
- Direct acting solenoid valve.
- Voltages: 120/60, 12/DC and 24/DC
- Rated for ambient temperatures of -40°C to 100°C

OPERATING CONDITIONS

Media: Fuel gas

Valve Temperature Range: -40°C to 100°C

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: 120 VAC 60 HZ., 12 VDC, 24 VDC

Nominal Power: AC – 7.3 Watts, DC – 9.5 Watts

Coil Construction: Class F with 36" leads and third wire ground, Potted

Typical Response Time on Air: 4 - 16 Milliseconds

Operating Speed: Up to 600 CPM

Duty Cycle: Continuous

MECHANICAL CHARACTERISTICS

Body: Stainless Steel

Internal Components: Stainless Steel, Copper - AC Only.

Elastomers: Dynamic seal: low temperature Buna. Static seal: Buna

Orifice Diameter: See table on next page.

Porting: 1/4" NPT

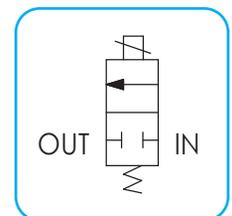
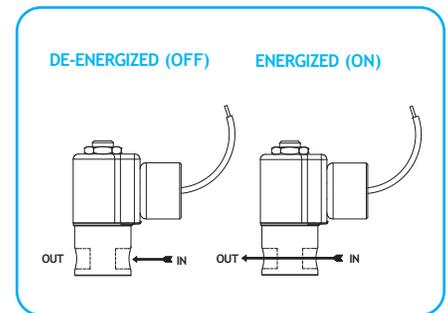
Housing: Flame-Proof construction with 1/2" NPT conduit

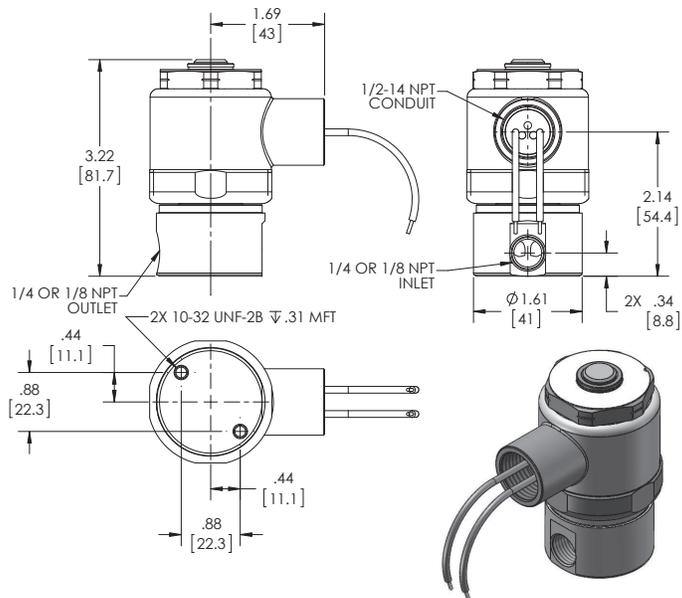
Listings: C/I Rated - Certificate Number 2248838

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

Valve Weight: 1.38 lbs

Repair Kits: See table on next page.





**SERIES 20
MODEL E22 C/I RATED
2WNC
EXPLOSION PROOF**

VALVE SPECIFICATIONS

MAX. OPER. PRESS. DIFF.		GAS CAPACITY		CV FACTOR	ORIFICE SIZE	PIPE SIZE	VALVE NUMBER
AC	DC	BTU/Hr	N.C.				
	50	400,000		.404	5/32	1/4 NPT	E22Z0198YCCP 12/DC
	50	400,000		.404	5/32	1/4 NPT	E22Z0196YCCP 24/DC
50		400,000		.404	5/32	1/4 NPT	E22Z0197YCCP 120/60

REPAIR KITS (2KE22Z0196-DC for DC voltages; 2KE22Z0197-AC for AC voltages)

WHEN ORDERING OPERATORS ADD THE LETTER "O" TO THE FRONT OF THE VALVE NUMBER,
REPLACE BODY PORT NUMBER WITH THE LETTER "D": EXAMPLE: OPERATOR (OE22Z0196DCCP 120/60)