

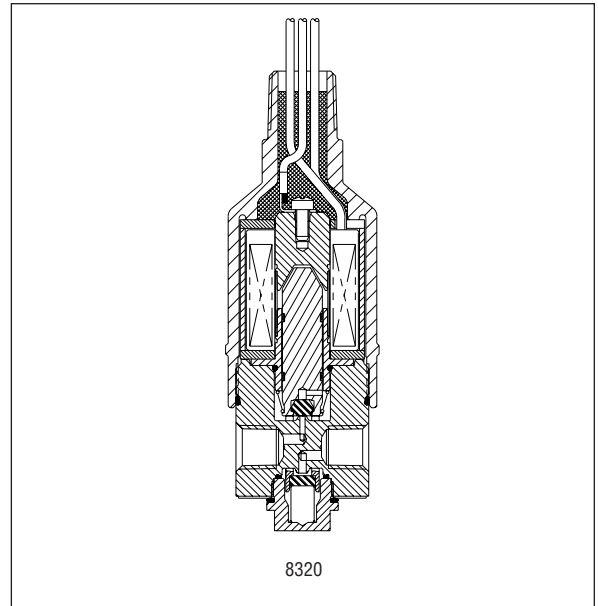
### Features

- Designed for harsh, hazardous environments, including offshore applications.
- Provides quick shutdown of valves and actuators.
- Low power DC for solar panels and PLC control.
- Factory-sealed leads or epoxy filled conduit connection.
- Explosionproof Types 4 and 7, Class 1, Division 1, Groups C and D protection, or Cenelec EEx d IIB T6 with EC or ED prefix.
- Mountable in any position.



### Construction

Valve Parts in Contact with Fluids	
Body	316 Stainless Steel
Seals and Disc	FKM
Core and Plugnut	430F Stainless Steel
Core Spring	302 Stainless Steel
Rider Rings	PTFE
Disc-Holder and Core Guide	CA



### Electrical

Standard Coil and Class of Insulation	Watt Rating and Power Consumption
	DC Watts
F	1.44
F	2.88

**Standard Voltages:** 12 and 24 volts DC.

### Nominal Ambient Temperature Ranges:

-4°F to 120°F (-20°C to 49°C)  
 Refer to Engineering Section for details.

### Solenoid Enclosures

**Standard:** 316 Stainless Steel, Explosionproof and Watertight with 72" leads. Types 1, 2, 3, 4, 4X, 6, 6P, 7, and 9, Class I, Division 1, Groups C & D.  
**Optional:** For CENELEC approved valves with 20mm conduit connection use prefix "EC" instead of "EF". Use prefix "ED" for 1/2" NPT conduits.  
 See Engineering Section under "Enclosures" for details.

### Approvals:

UL listed, CSA certified General Purpose valve, hazardous location classified. Meets applicable CE directives. CENELEC EEx d IIB T6 approved.  
 Refer to Engineering Section for details.

Specifications (English units)

Pipe Size (ins.)	Orifice Size (ins.)		Cv Flow Factor		Operating Pressure Differential (psi)				Watt Rating/ Class of Insulation 12 or 24 VDC
					Air/Natural Gas		Catalog Number	Constr. Ref. No.	
	Pressure	Exhaust	Min.	Max.					
<b>NORMALLY CLOSED (Closed when de-energized)</b>									
1/4	1/16	3/32	.08	.16	0	150 ①	EF8320511 ②	1	2.88/F
1/4	1/16	3/32	.08	.16	0	55	EF8320512 ②	1	1.44/F
1/4	1/16	1/4	.08	1.4	15	150	EF8317511 ② ③	2	2.88/F
1/4	1/16	1/4	.08	1.4	15	55	EF8317512 ② ③	2	1.44/F
1/4	3/8	3/8	1.12	1.23	20	150	EF8321511 ②	3	2.88/F
1/4	3/8	3/8	1.12	1.23	20	55	EF8321512 ②	3	1.44/F
<b>UNIVERSAL FLOW (Pressure at any port)</b>									
1/4	1/16	3/32	.08	.16	0	65	EF8320505	1	2.88/F

Notes: ① Light Oil Max Pressure 100 psi (7 bar). ② Factory-sealed leads. ③ This valve has a Hytrel diaphragm.

Specifications (Metric units)

Pipe Size (ins.)	Orifice Size (mm)		Kv Flow Factor (m3/h)		Operating Pressure Differential (bar)				Watt Rating/ Class of Coil Insulation 12 or 24 VDC
					Air/Natural Gas		Catalog Number	Constr. Ref. No.	
	Pressure	Exhaust	Min.	Max.					
<b>NORMALLY CLOSED (Closed when de-energized)</b>									
1/4	1.6	2.4	.07	.14	0	10 ①	EF8320511 ②	1	2.88/F
1/4	1.6	2.4	.07	.14	0	4	EF8320512 ②	1	1.44/F
1/4	1.6	6.4	.07	1.20	1	10	EF8317511 ② ③	2	2.88/F
1/4	1.6	6.4	.07	1.20	1	4	EF8317512 ② ③	2	1.44/F
1/4	9.5	9.5	0.96	1.05	1.4	10.3	EF8321511 ②	3	2.88/F
1/4	9.5	9.5	0.96	1.05	1.4	3.8	EF8321512 ②	3	1.44/F
<b>UNIVERSAL FLOW (Pressure at any port)</b>									
1/4	1.6	2.4	.07	.14	0	4	EF8320505	1	2.88/F

Dimensions: inches (mm)

