

### Features

- Direct acting operation and high flow construction.
- Direct acting, high flow slide-style valve.
- Optional flow control regulates cylinder speed independently, in either direction.
- Mechanical detent on dual solenoids holds last position, even after loss of electric power, pneumatics or pressure.
- No Minimum Operating Pressure Differential required to shift valve.
- Dual solenoid operation: solenoid may be energized momentarily (1/10 second) or continuously.
- Mountable in any position.

### Construction

Valve Parts in Contact with Fluids		
<b>Body</b>	Brass	304 Stainless Steel
<b>Seals and Discs</b>	NBR and FKM	
<b>Core Tube</b>	305 Stainless Steel	
<b>Core and Plugnut</b>	430F Stainless Steel	
<b>Springs</b>	302 Stainless Steel / 17-7 PH Stainless Steel	
<b>Shading Coil</b>	Copper	
<b>Sleeve</b>	PA	
<b>Seats</b>	Graphite-filled PTFE	

### Electrical

Standard Coil and Class of Insulation	Watt Rating and Power Consumption			Spare Coil Part No.	
	AC			General Purpose	Explosionproof
	Watts	VA Holding	VA Inrush	AC	AC
F	16.1	35	115	272610	272614
F	20.1	45	140	272610	272614

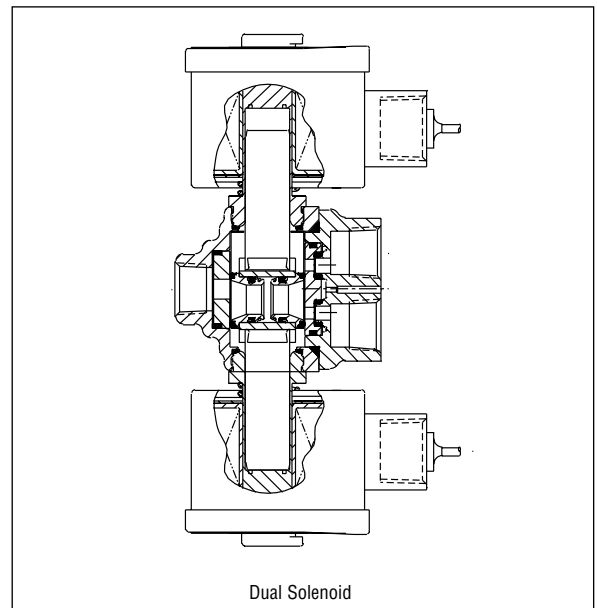
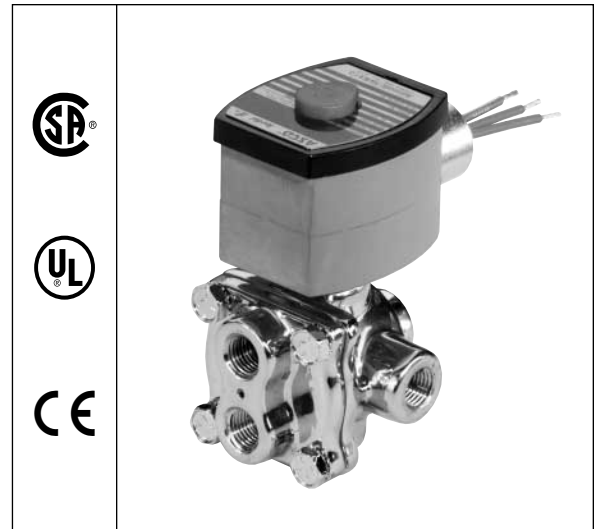
**Standard Voltages:** 24, 120, 240, 480 volts AC, 60 Hz. 24, 110, 115, 220, 230 volts AC, 50 Hz. Other voltages are available when required.

**Note:** No combination 120/60, 110/50 coil available. Must order either 120/60 or 110/50, etc.

### Solenoid Enclosures

**Standard:** Watertight, Types 1, 2, 3, 3S, 4, and 4X.  
**Optional:** Explosionproof and Watertight, Types 3, 3S, 4, 4X, 6, 6P, 7, and 9.  
 (To order, add prefix "EF" to catalog number.)

*See Optional Features Section for other available options.*



### Nominal Ambient Temperature Ranges:

Standard Class F insulation: 32°F to 125°F (0°C to 52°C)  
 Optional Class H insulation: 32°F to 140°F (0°C to 60°C)  
*Refer to Engineering Section for details.*

### Approvals:

CSA certified. UL listed as General Purpose Valves. Meets applicable CE directives.  
*Refer to Engineering Section for details.*

Specifications (English units)

Pipe Size (ins.)	Orifice Size (ins.)	Cv Flow Factor ①	Operating Pressure Differential (psi)			Max. Fluid Temp. °F	Brass Body		Stainless Steel Body		Watt Rating/ Class of Coil Insulation
			Maximum AC				AC	Catalog Number	Constr. Ref. No.	Catalog Number	
			Air-Inert Gas	Water	Lt. Oil @ 300 SSU	AC					Catalog Number
<b>SINGLE SOLENOID CONSTRUCTION</b>											
1/4	3/16	.70	125	100	100	160	8342G1	1	8342G701	2	20.1/F
3/8	3/16	.70	125	100	100	160	8342G3	1	8342G703	2	20.1/F
<b>DUAL SOLENOID CONSTRUCTION</b>											
1/4	3/16	.70	125	125	125	160	8342G20	3	8342G720	4	16.1/F
3/8	3/16	.70	125	125	125	160	8342G22	3	8342G722	4	16.1/F

Notes: ① With built-in flow control (Suffix "M"), the Cv is 0.44 and an 0.5 psi minimum operating pressure is required.

Specifications (Metric units)

Pipe Size (ins.)	Orifice Size (mm)	Kv Flow Factor (m3/h) ①	Operating Pressure Differential (bar)			Max. Fluid Temp. °C	Brass Body		Stainless Steel Body		Watt Rating/ Class of Coil Insulation
			Maximum AC				AC	Catalog Number	Constr. Ref. No.	Catalog Number	
			Air-Inert Gas	Water	Lt. Oil @ 300 SSU	AC					Catalog Number
<b>SINGLE SOLENOID CONSTRUCTION</b>											
1/4	4.8	.60	9	7	7	70	8342G1	1	8342G701	2	20.1/F
3/8	4.8	.60	9	7	7	70	8342G3	1	8342G703	2	20.1/F
<b>DUAL SOLENOID CONSTRUCTION</b>											
1/4	4.8	.60	9	9	9	70	8342G20	3	8342G720	4	16.1/F
3/8	4.8	.60	9	9	9	70	8342G22	3	8342G722	4	16.1/F

Notes: ① With built-in flow control (Suffix "M"), the Kv is 0.38 and an 0.03 bar minimum operating pressure is required.

Dimensions: inches (mm)

