AZCΔ RedHai

General Service Solenoid Valves

Brass or Stainless Steel Bodies 1/4" and 3/8" NPT

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									
Body	Brass	304 Stainless Steel							
Seals and Discs	NBR and FKM								
Core Tube	305 Stainless Steel								
Core and Plugnut	430F Stainless Steel								
Springs	302 Stainless Steel / 17-7 PH Stainless Steel								
Shading Coil	Copper								
Sleeve	PA								
Seats	Graphite-filled PTFE								

Electrical

	I	Rating and Consumpti		Spare Coil Part Number		
Standard Coil and				General Purpose	Explosionproof	
Class of Insulation	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.

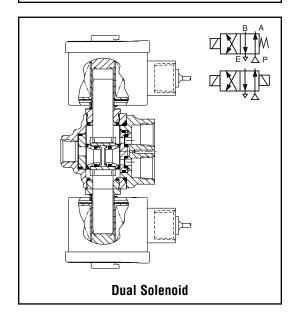
Optional: Explosionproof and Watertight, Types 3, 3S, 4, 4X, 6, 6P, 7, and 9.

(To order, add prefix "EF" to catalog number.)

See Optional Features Section for other available options.



Direct Acting



Nominal Ambient Temp. 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.





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Specifications (English units)

			Operating Pressure Differential (psi)		Max. Fluid					Watt Rating/ Class of Coil	
Pipe	Orifice	Cv	Max. AC		Temp.°F	Brass Body		Stainless Steel Body		Insulation	
Size	Size	Flow	Air-Inert		Lt. Oil			Const.		Const.	
(in)	(in)	Factor ①	Gas	Water	@ 300 SSU	AC	Catalog Number	Ref.	Catalog Number	Ref.	AC
SINGLE SOLENOID CONSTRUCTION											
1/4	3/16	.70	125	100	100	160	8342G001	1	8342G701	2	20.1/F
3/8	3/16	.70	125	100	100	160	8342G003	1	8342G703	2	20.1/F
DUAL SOLENOID CONSTRUCTION											
1/4	3/16	.70	125	125	125	160	8342G020	3	8342G720	4	16.1/F
3/8	3/16	.70	125	125	125	160	8342G022	3	8342G722	4	16.1/F
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)

Dina	Ouidiaa	Kv Flow	Operating Pressure Differential (bar) Max. AC		Max. Fluid Temp.°C	Brass Body		Stainless Steel Body		Watt Rating/ Class of Coil Insulation	
Pipe Size (in)	Orifice Size (mm)	Factor (m3/h) ①	Air-Inert Gas	Water	Lt. Oil @ 300 SSU	AC	Catalog Number	Const. Ref.	Catalog Number	Const. Ref.	AC
SINGLE SO	SINGLE SOLENOID CONSTRUCTION										
1/4	4.8	.60	9	7	7	71	8342G001	1	8342G701	2	20.1/F
3/8	4.8	.60	9	7	7	71	8342G003	1	8342G703	2	20.1/F
DUAL SOLI	DUAL SOLENOID CONSTRUCTION										
1/4	4.8	.60	9	9	9	71	8342G020	3	8342G720	4	16.1/F
3/8	4.8	.60	9	9	9	71	8342G022	3	8342G722	4	16.1/F
① With bui	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)

