

General Service Solenoid Valves

Brass and 316 Stainless Steel Bodies • 1/4" NPT

Features

- Compact valves for general service applications
- Low-cost, 4-way valve when low flow is sufficient
- Mountable in any position

Construction

Valve Parts in Contact with Fluids												
Body	Brass 316 Stainless Ste											
Seals and Disc	NBR and PA											
Core Tube	305 Stainless Steel											
Core and Plugnut	430F Stainless Steel											
Springs	302 Sta	ninless Steel										
Shading Coil	Copper	Silver										
Piston	PA											



	Wat		g and Po Imption	ower	Spare Coil Part Number									
Standard Coil and		General Explosion AC Purpose (EF)					•	Explosionproof (EV)						
Class of Insulation	DC Watts	Watts	VA Holding	VA Inrush	AC	DC	AC	DC	AC	DC				
F	11.6	10.1	25	50	238610	238710	238614	238714	274614	274714				

Standard Voltages: 24, 120, 240, 480 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz). 6, 12, 24, 120, 240 volts DC. Must be specified when ordering. Other voltages are available when required.

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" or, for Explosionproof Stainless Steel trim and hub on Brass-Bodied valves, add "EV" to catalog number.)

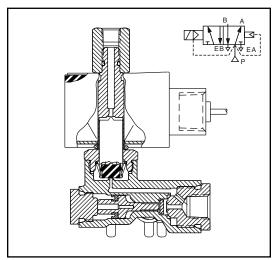
See Optional Features Section for other available options.

Nominal Ambient Temp. Ranges

AC: 32°F to 125°F (0°C to 52°C) DC: 32°F to 104°F (0°C to 40°C)

Refer to Engineering Section for details.





Approvals

CSA certified. UL listed as General Purpose Valve.
EV8345G081 solenoid only UL approved.
Meets applicable CE directives.
Refer to Engineering Section for details.
ATEX/IECEx certified with prefix "EV" as listed.
Refer to Optional Features Electrical Section for details.

Important

A Minimum Operating Pressure Differential must be maintained between the pressure and exhaust ports. Supply and exhaust piping must be full area, unrestricted. ASCO flow controls and other similar components must be installed in the cylinder lines only.

Refer to Engineering Section for details.



Specifications (English units)

i	Orifice Cv Size Flow (in) Factor			ow		Operating Pressure Differential (psi) Max. AC Max. DC							lax. luid np. °F Brass Body		Stainless Steel Body		Watt Rating/ Class of Coil Insulation	
Pipe Size (in)	Press.	Exh.	Inlet	Exh.	Min.	Air-Inert Gas	Water	Lt. Oil @ 50 SSU	Air-Inert Gas	Water	Lt. Oil @ 50 SSU	AC	DC	Catalog Number	Catalog Number	Const. Ref.	AC	DC
SINGLE	SOLENO	ID																
1/4	1/16	3/32	.09	.09	10	150	150	150	100	100	100	180	104	8345G001 ①	EV8345G081 ①	1	10.1/F	11.6/F
SINGLE	SINGLE SOLENOID AIR-ONLY CONSTRUCTION - Exhaust to Atmosphere																	
1/4	1/16	3/32	.09	.09	10	150	-	-	100	-	-	180	104	8345H003	-	1	10.1/F	11.6/F
① ATEX/	IECEx ce	rtified w	vith pre	fix "EV	"·													

Specifications (Metric units)

Pipe	Orifice Kv Flow Size Factor (mm) (m³/h)					Operating Pressure Differential (bar) Max. AC Max. DC								Brass Body	Stainless Steel Body		Watt R Class (Insula	of Coil
Size (in)	Press.	Exh.	Inlet	Exh.	Min.	Air-Inert Gas	Water	Lt. Oil @ 50 SSU	Air-Inert Gas	Water	Lt. Oil @ 50 SSU	AC	DC	Catalog Number	Catalog Number	Const. Ref.	AC	DC
SINGLE	SOLENO	ID																
1/4	2	2	.08	.08	0.7	10	10	10	7	7	7	82	40	8345G001 ①	EV8345G081 ①	1	10.1/F	11.6/F
SINGLE	SINGLE SOLENOID AIR-ONLY CONSTRUCTION - Exhaust to Atmosphere																	
1/4	2	2	.08	.08	0.7	10	-	-	7	-	-	82	40	8345H003	-	1	10.1/F	11.6/F
① ATEX	IECEx ce	rtified v	vith pre	fix "EV	<i>l</i> ".													

Dimensions inches (mm)

