

# OMEGA-FLO® 3-WAY DIRECT ACTING SOLENOID VALVES

SV4100/SV4300 Series  
Starts at  
**\$74**



- ✓ Ideal for Compressed Air, Inert gas, Water and Synthetic Oils
- ✓ 120 Vac Standard (220 Vac and DC Coils are Optional)
- ✓ 8 W, AC Coils Standard
- ✓ 8 W, DC Coils Available
- ✓ Normally Open or Normally Closed Models

The SV4100 and SV4300 Series are direct acting solenoid valves. The valves have a brass body with brass and stainless steel wetted parts and a FKM seal material. A temperature range of -10 to 137°C (14 to 280°F) makes this valve ideal for neutral media such as compressed air, inert gas, water and synthetic oils.

A strain-relief connector is supplied with each unit. A ½" conduit plug is also available.

## SPECIFICATIONS

**Mounting Position:** Any (preferably with the solenoid system upright)

**Max Process Temp:** 137°C (280°F) due to FKM O-ring

**Max Ambient Temp:** Coil Dependent (See ratings on coils)

**Voltage Tolerance:** ±10%

**Opening Time (msec):** Approximately  
**AC:** 8 to 15  
**DC:** 10 to 20

**Closing Time (msec):** Approximately  
**AC:** 8 to 15  
**DC:** 10 to 20

**Cycling Rate:** Approx. 1000 cpm

**Duty Cycle:** Continuous (100%)

SV4101, \$90, shown larger than actual size.

### Coil Molding Material:

**Black Polyester (Class F):**

SV8COIL-115AC

SV8COIL-24AC/60HZ

SV8COIL-220AC

**Black Polyamide (Class F):**

SV8COIL-12DC

SV8COIL-24DC

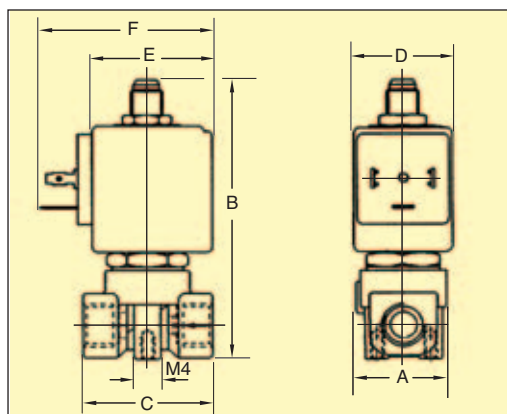
**Black Polyphenylsulfide (Class H):**

SV8COIL-115/60HZ



Materials of Construction	
Body	Brass
Armature Tube	Stainless Steel 300
Fixed Core	Stainless Steel 400
Plunger	Stainless Steel 400
Spring	Stainless Steel 300
Shading Ring	Copper
Orifice	Stainless Steel 300

Coil Specifications		
Coil	Inrush VA	Holding VA
8 W	25	14.5



Valve Dimensions			
Pipe Size	A	B	C
1/8"	1 1/16"	3 7/16"	1 9/16"
1/4"			

Coil Dimensions			
Coil	D	E	F
8 W	1 3/16"	1 21/32"	2 1/8"



**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)									
3 Way Universal Model No.	Price	Pipe Size†	Orifice Size	3rd Way Exhaust Orifice	Cv Flow Factor	Coil Power	Operating Pressure		
							MIN psi	M.O.P.D.*	
								AC psi	DC psi
SV4101	\$90	1/8"	3/64"	3/32"	0.06	8 W	0	260	260
SV4102	90	1/8"	1/16"	1/16"	0.1	8 W	0	145	145
SV4103	90	1/8"	3/32"	3/32"	0.22	8 W	0	60	60
SV4104	90	1/8"	1/8"	1/8"	0.28	8 W	0	50	50
SV4105	90	1/4"	3/64"	3/64"	0.06	8 W	0	260	260
SV4106	90	1/4"	1/16"	1/16"	0.1	8 W	0	145	145
SV4107	90	1/4"	3/32"	3/32"	0.22	8 W	0	60	60
SV4108	90	1/4"	1/8"	1/8"	0.28	8 W	0	50	50
3-Way Normally Closed Model No.	Price	Pipe Size†	Orifice Size	3rd Way Exhaust Orifice	Cv Flow Factor	Coil Power	MIN psi	M.O.P.D.*	
								AC psi	DC psi
								AC psi	DC psi
SV4301	\$74	1/8"	3/64"	3/32"	0.06	8 W	0	290	290
SV4302	74	1/8"	1/16"	3/32"	0.1	8 W	0	215	215
SV4303	74	1/8"	5/64"	3/32"	0.14	8 W	0	145	145
SV4304	74	1/8"	3/32"	3/32"	0.22	8 W	0	85	85
SV4305	74	1/8"	1/8"	3/32"	0.28	8 W	0	70	70
SV4306	74	1/4"	3/64"	3/32"	0.06	8 W	0	290	290
SV4307	74	1/4"	1/16"	3/32"	0.1	8 W	0	215	215
SV4308	74	1/4"	5/64"	3/32"	0.14	8 W	0	145	145
SV4309	74	1/4"	3/32"	3/32"	0.22	8 W	0	85	85
SV4310	74	1/4"	1/8"	3/32"	0.28	8 W	0	70	70

\* Maximum Operating Pressure Differential.

† BSP Connection. In most cases BSP and NPT are interchangeable in this size.

#### Accessories

Model No.	Price	Description
<b>Connectors (NEMA 4)</b>		
SV-CGC	\$8	Replacement cable grip connector
SV-CC	8	1/2" conduit connector
<b>Coils</b>		
SV8COIL-115AC	\$16	Replacement 8 W coil for 110 to 120 Vac/50 to 60 Hz 154°C (310°F) (Class F)
SV8COIL-12DC	16	8 W coil for 12 Vdc 154°C (310°F) (Class F)
SV8COIL-24DC	16	8 W coil for 24 Vdc 154°C (310°F) (Class F)
SV8COIL-24AC/60HZ	16	8 W coil for 24 Vac/60Hz 182°C (360°F) (Class H)
SV8COIL-220AC	16	8 W coil for 220 to 240/50 to 60 Hz 154°C (310°F) (Class F)
SV8COIL-115/60HZ	23	8 W coil for 115/60 Hz 182°C (360°F) (Class H)
FW-306	125	Reference Book: Valve Handbook

Comes complete with operator's manual and cable grip connector.

**Ordering Examples:** SV4102, 1/8" 3-way universal normally open valve, \$90.

SV4306, 1/4" 3-way normally closed valve, \$74.



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