

OMEGA-FLO® 2-WAY GENERAL PURPOSE SOLENOID VALVES

SV3300 Series

\$67

All Models



- ✓ Ideal for Compressed Air, Inert Gas, Water and Synthetic Oils
- ✓ Available in Normally Open or Normally Closed
- ✓ Process Temperature to 137°C (280°F)
- ✓ 8 W, AC Coils Standard, 12 or 14 W, AC or DC Coils Available

SV-3300 Series 2-way solenoid valves are direct-acting valves featuring brass, stainless steel construction and FKM seal material. The temperature range from -10 to 137°C (14 to 280°F) is ideal for neutral media such as compressed air, inert gases, 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 solenoid system upright)

Maximum Process Temperature: 137°C (280°F) due to FKM O-ring

Maximum Ambient Temperature: Coil Dependent (See ratings on coils)

Voltage Tolerance: ±10%

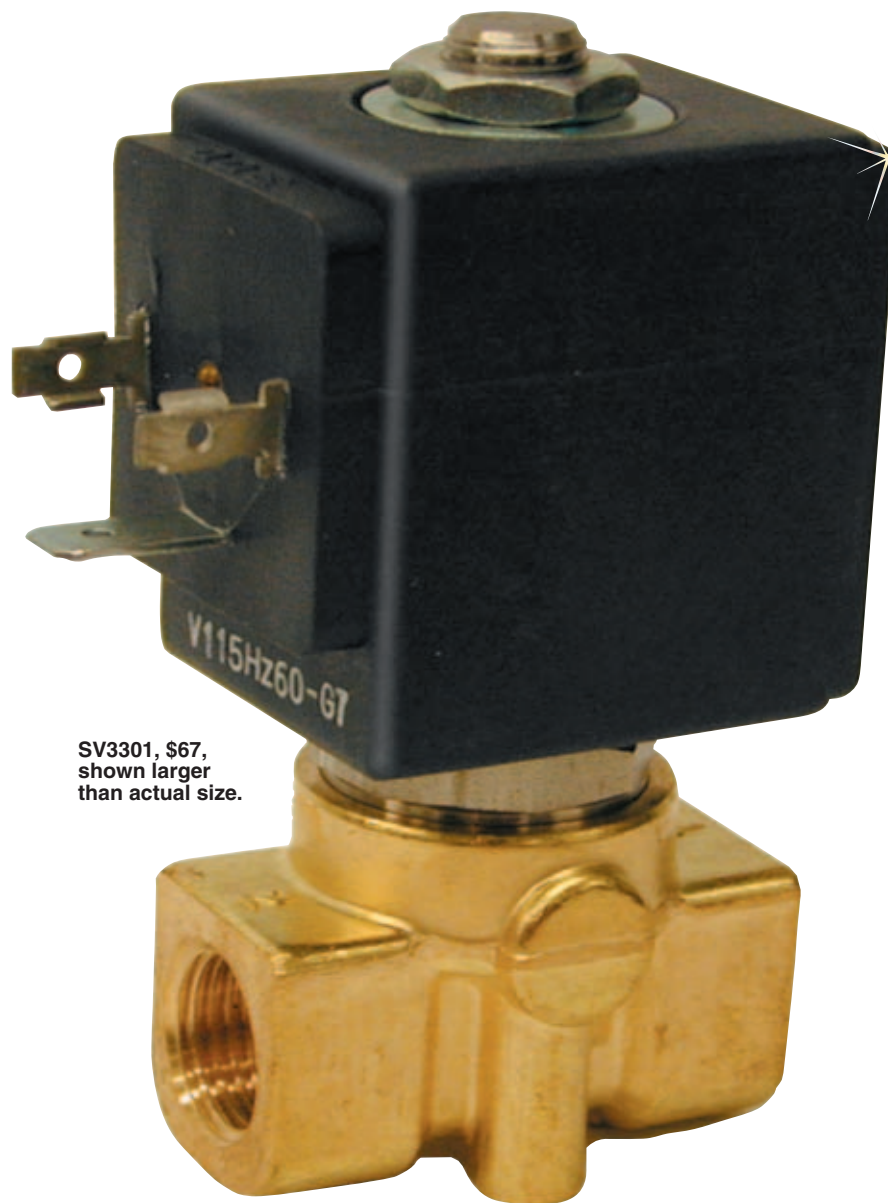
Opening Time (msec):

AC: 10 to 20,

DC: 20 to 80 depending on orifice and pressure

Closing Time (msec):

AC and DC: 20 to 30 approximately



SV3301, \$67, shown larger than actual size.

Cycling Rate: Approx. 1000 cpm

Duty Cycle: Continuous (100%)

Coil Molding Material:

Black Polyester (Class F):

SV8COIL-115AC

SV8COIL-24DC/60HZ

SVCOIL-24AC/50 to 60HZ

SV8COIL-220AC

Black Polyamide (Class F):

SV8COIL-12DC, SV8COIL-24DC, all 12 Watt coils

Black Polyphenylsulfide (Class H):

SV8COIL-115/60HZ

Black Epoxy Resin (Class H):

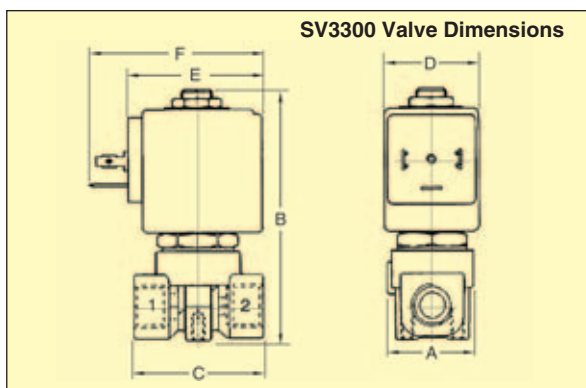
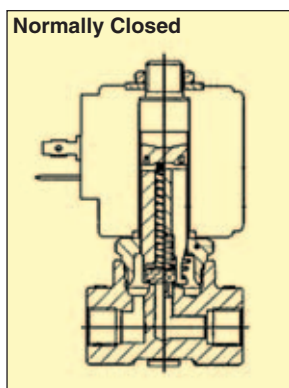
All 14 Watt coils

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 ≤ 1/8"	Stainless Steel 300
Orifice > 1/8"	Brass
Sealing Material	FKM

Coil Specifications

Coil	Inrush VA	Holding VA
8 W	25	14
12 W	36	23
14 W	43	27



Valve Dimensions			
Pipe Size	A	B	C
1/8"	1 3/32"	3 1/16"	1 5/8"
1/4"			

Coil Dimensions			
Watt	D	E	F
8	1 3/16"	1 21/32"	2 1/8"
12	1 7/16"	1 29/32"	2 3/8"
14	2 1/16"	2 5/32"	2 5/8"

**MOST POPULAR
MODELS HIGHLIGHTED!**

To Order (Specify Model Number)										Operating Pressure	
Normally Closed		Normally Open					Coils		MIN psi	M.O.P.D.*	
Model No.	Price	Model No.	Price	Pipe† Size	Orifice Size	Cv Flow Factor	Standard	Optional		AC psi	DC psi
SV3301	\$67	SV3301-NO	\$92	1/8"	1/16"	0.10	8 W	—	0	435	260
SV3302	67	SV3302-NO	92	1/8"	5/64"	0.14	8 W		0	315	230
				1/8"	5/64"	0.14		12 or 14 W	0	505	435
SV3303	67	SV3303-NO	92	1/8"	3/32"	0.22	8 W		0	200	130
				1/8"	3/32"	0.22		12 or 14 W	0	435	360
SV3304	67	SV3304-NO	92	1/8"	1/8"	0.28	8 W		0	145	85
				1/8"	1/8"	0.28		12 or 14 W	0	360	260/290‡
SV3305	67	SV3305-NO	92	1/8"	3/16"	0.45	8 W		0	70	30
				1/8"	3/16"	0.45		12 or 14 W	0	170	100/115‡
SV3306	67	SV3306-NO	92	1/4"	1/16"	0.10	8 W	—	0	430	260
SV3307	67	SV3307-NO	92	1/4"	5/64"	0.14	8 W		0	315	230
				1/4"	5/64"	0.14		12 or 14 W	0	505	435
SV3308	67	SV3308-NO	92	1/4"	3/32"	0.22	8 W		0	200	130
				1/4"	3/32"	0.22		12 or 14 W	0	435	360
SV3309	67	SV3309-NO	92	1/4"	1/8"	0.28	8 W		0	145	85
				1/4"	1/8"	0.28		12 or 14 W	0	360	260/290‡
SV3310	67	SV3310-NO	92	1/4"	3/16"	0.45	8 W		0	70	30
				1/4"	3/16"	0.45		12 or 14 W	0	170	100/115‡
SV3311	67	SV3311-NO	92	1/4"	7/32"	0.63	8 W		0	45	15
				1/4"	7/32"	0.63		12 or 14 W	0	100/145‡	35/70‡

* Maximum operational pressure differential.

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

Accessories

‡ Rating for 12 W/14 W units as shown.

Model No.	Price	Description
Connectors		
SV-CGC	\$8	Replacement cable grip connector
SV-CC	8	1/2" conduit connector
Coils		
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/50 to 60Hz 182°C (360°F) (Class F)
SV8COIL-220AC	16	8 W coil for 220 to 240 Vac/50 to 60 Hz 154°C (310°F) (Class F)
SV8COIL-115/60HZ	23	8 W coil for 115 Vac/60 Hz 182°C (360°F) (Class H)
SV12COIL-120/60HZ	24	12 W coil for 120 Vac/60 Hz 154°C (310°F) (Class F)
SV12COIL-12DC	52	12 W coil for 12 Vdc 154°C (310°F) (Class F)
SV12COIL-24DC	24	12 W coil for 24 Vdc 154°C (310°F) (Class F)
SV14COIL-24DC	52	14 W coil for 24 Vdc 182°C (360°F) (Class H)
SV14COIL-24/50-60HZ	52	14 W coil for 24 Vdc/50 to 60Hz 182°C (360°F) (Class H)
SV14COIL-12DC	52	14 W coil for 12 Vdc 182°C (360°F) (Class H)
FW-306	125	Reference Book: Valve Handbook



Comes complete with operator's manual, 8 W coil and cable grip connector.

Ordering Examples: SV3309, 1/4" normally closed valve for 1/8" orifice, \$67.

SV3303-NO, 1/8" normally open valve for 3/32" orifice, \$92.

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