OMEGA-FLO® 2-WAY HOT WATER AND STEAM SOLENOID VALVES

SV4000A Series



- Normally Closed or Normally Open
 Ideal for Hot Water
- and Steam
- ✓ 8 W, AC Coils Standard

✓ 14 W, DC Coils Also Available

SV4000 Series 2-way hot water and steam solenoid valves are internally piloted. They feature brass and 316 stainless steel construction, and PTFE seal material. The temperature range of 0 to $182^{\circ}C$ (32 to $360^{\circ}F$) and the PTFE O-ring make these valves ideal for media such as hot water and steam. A strain-relief connector is supplied with each unit. A $\frac{1}{2}$ " conduit plug is also available.

SPECIFICATIONS

Mounting Position: Any (preferably with solenoid system upright) Maximum Process Temperature: 60 to 182°C (140 to 360°F) PTFE O-ring Maximum Ambient Temperature: Coil dependent (see ratings on coils) Voltage Tolerance: ±10% AC, ±5% DC Opening Time (ms): Approximately 100 to 200 Closing Time (ms): Approximately 200 to 1200 Cycling Rate: Approximately 60 cpm Duty Cycle: Continuous (100%) **Coil Molding Material:** Black Polyphenylensulphide (Class H): SV8COIL-115/60 HZ SV8COIL-220/60 HZ Black Epoxy Resin (Class H): All 14 W coils, NEMA 4



SV4002A shown smaller than actual size.



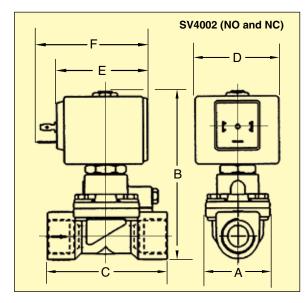
SV4003A-NO shown smaller than actual size.



Materials of Construction Brass 316 SS Bodv **Armature Tube** Stainless steel 300 Stainless steel 300 **Fixed Core** Stainless steel 400 Stainless steel 400 Plunger Stainless steel 400 Stainless steel 400 Spring Stainless steel 300 Stainless steel 300 **Shading Ring** Copper Gold-Plated Copper Orifice Brass 316 SS

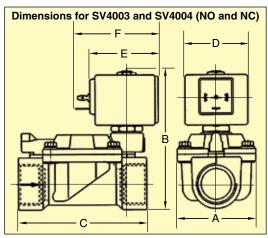
Coil Specifications						
Watt	Inrush VA	Holding VA				
8.0	25.0	14.0				
14.0	43.0	27.0				

OMEGA-FLO® 2-Way Hot Water and Steam Solenoid Valves



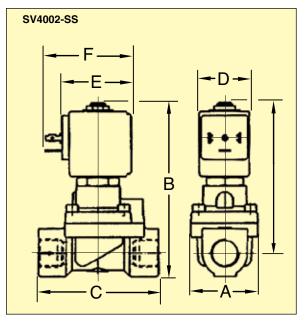
Valve Dimensions					
Model No. A B C					
SV4002A	1 ¹⁹ ⁄32"	47⁄32"	29⁄16"		

Coil Dimensions					
Watt	D	E	F		
8	1 ³⁄16"	1 ²¹ /32"	21⁄8"		
14	2 ¹ ⁄16"	2 ⁵ ⁄32"	25⁄8"		



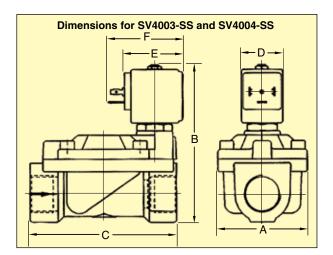
Valve Dimensions					
Model No.	Α	В	С		
SV4003A	1 ²⁹ ⁄32"	4 ²³ ⁄32"	2 ¹⁵ ⁄16"		
SV4004A	27⁄16"	51⁄8"	3 ¹¹ ⁄16"		

Coil Dimensions					
Watt	D	E	F		
8	1 ¾6"	1 ²¹ / ₃₂ "	21⁄8"		
14	2 ¹ ⁄16"	2 ⁵ / ₃₂ "	25/8"		



Valve Dimensions					
Model No. A B C					
SV4002A-SS	1 %16"	4 ¹ ⁄16"	2 ²⁷ /32"		

Coil Dimensions				
Watt	D	E	F	
8	13⁄16"	1 ²¹ ⁄32"	21⁄8"	



Valve Dimensions				
Model No.	Α	В	С	
SV4003A-SS	2 %6"	4 ¹⁷ / ₃₂ "	43/32"	
SV4004A-SS	2/16	- 732	7/32	

	Coil Dimensions					
Watt	D	E	F			
8	1 ¾16"	1 ²¹ / ₃₂ "	21⁄8"			





To Order Visit omega.com/sv4000a for Pricing and Details									
				C	Operatir	ng Pressure			
Normally Open Model No.	Pipe Size NPT	Orifice Size	C _v Flow Factor	Stand			MIN I psi	M.O AC psi	.P.D.* DC psi
SV4002A-NO	1⁄2	⁷ ⁄16"	3.4	8 ۱	N	14 W		-	-
SV4003A-NO	3⁄4	3⁄4"	6.2	8 \	N	14 W	7	150	150
SV4004A-NO	1	1"	11.0 8	N	I	14 W			
316 SS Valves			1			-			
Pipe Size NPT	Orifice	e Size	C _v Flow Fa	actor	F	Power	MIN psi	AC psi	DC psi
1⁄2	7⁄1	6"	2.4		8 W				
3⁄4	3/2	."	8.0				7	7 150	
1	1	II	9.0						
	Open Open Model No. SV4002A-NO SV4003A-NO SV4004A-NO 316 SS Valves Pipe Size NPT ½ ½	Dpen Model No. Pipe Size NPT SV4002A-NO ½ SV4003A-NO ¾ SV4004A-NO 1 316 SS Valves 1 Pipe Size NPT Orifice ½ 1/2 3/4 3/4	Deen Model No. Pipe Size NPT Orifice Size SV4002A-NO 1/2 7/16" SV4003A-NO 3/4 3/4" SV4004A-NO 1 1" 316 SS Valves 0rifice Size Pipe Size NPT Orifice Size 1/2 7/16" 3/4 3/4" 1 1"	Deen Model No. Pipe Size NPT Orifice Size C _v Flow Factor SV4002A-NO 1/2 7/16" 3.4 SV4003A-NO 3/4 3/4" 6.2 SV4004A-NO 1 1" 11.0 8 316 SS Valves 5 5 5 Pipe Size NPT Orifice Size Cv Flow Factor 1/2 7/16" 2.4 3/4 3/4" 8.0 1 1" 9.0	Pipe Size Model No. Pipe Size NPT Orifice Size C _v Flow Factor Stand Stand SV4002A-NO ½ 7/16" 3.4 8 V SV4003A-NO ¾ ¾4" 6.2 8 V SV4004A-NO 1 1" 11.0 8 W SV4004A-NO 1 1" 11.0 8 W S16 SS Valves Size Cv Flow Factor 1/2 ½ 7/16" 2.4 3/4 3/4" ¾ ¾4" 8.0 1 1" 9.0	Pipe Size Model No. Orifice NPT C _v Flow Size C _v Flow Factor Condition SV4002A-NO ½ 7/16" 3.4 8 W SV4003A-NO ¾ ¾4" 6.2 8 W SV4004A-NO 1 1" 11.0 8 W SV4004A-NO 1 0 1 16.2 8 W SV4004A-NO 1 1" 11.0 8 W SV4004A-NO 1 1" 11.0 8 W SV4004A-NO 1 1" 11.0 8 W S16 SS Valves	Normally Deen Model No. Pipe Size NPT Orifice Size C _v Flow Factor Coil SV4002A-NO 1/2 7/16" 3.4 8 W 14 W SV4003A-NO 3/4 3/4" 6.2 8 W 14 W SV4004A-NO 1 1" 11.0 8 W 14 W SV4004A-NO 1 1" 11.0 8 W 14 W SV4004A-NO 1 1" 11.0 8 W 14 W SV4004A-NO 1 1" 11.0 8 W 14 W SV4004A-NO 1 1" 9.0 8 W 14 W	Open Model No.Pipe Size NPTOrifice Size C_v Flow Factor $Coil$ MIN StandardMIN optionalMIN psiSV4002A-NO $1/2$ $7/16"$ 3.4 $8 W$ $14 W$ 7 SV4003A-NO $3/4$ $3/4"$ 6.2 $8 W$ $14 W$ 7 SV4004A-NO 1 $1"$ $11.0 8$ W $14 W$ 7 SV4004A-NO 1 $1"$ 2.4 W $14 W$ 7 SV4004A-NO 1 $1"$ 2.4 $Power$ $MIN psi$ $1/2$ $7/16"$ 2.4 8.0 $8 W$ 7 $1/2$ $7/16"$ 2.4 $8 W$ 7 1 $1"$ 9.0 7 7	Normally Dpen Model No.Pipe Size NPTOrifice SizeC., Flow FactorCoil StandardMIN PSiM.O AC psiSV4002A-NO1/27/16"3.48 W14 WSV4003A-NO3/43/4"6.28 W14 W7SV4004A-NO11"11.0 8W14 W7SV4004A-NO11"11.0 8W14 W7SV4004A-NO11"15.0 8014 W14 WSV4004A-NO11"11.0 8W14 W7SV4004A-NO11"15.0 8014 W7SV4004A-NO11"15.0 8014 W7SV4004A-NO11"15.0 8014 W7SV4004A-NO11"15.0 8014 W15.0 8SV4004A-NO11"15.0 8014 W14.0 8SV4004A-NO11"15.0 8014.0 814.0 8SV4004A-NO11"15.0 8014.0 814.0 8SV4004A-NO11"15.0 814.0 814.0 814.0 8SV4004A-NO11"10.0 814.0 814.0 814.0 8SV4004A-NO11"10.0 814.0 814.0 814.0 8SV4004A-NO11"10.0 814.0 814.0 814.0 8SV4004A-NO1111.0 915.0 815.0 815.0 8

* Maximum operating pressure differential.

Accessories

Connectors	
Model No.	Description
SV-CGC	Replacement cable grip connector
SV-CC	1/2" conduit connector
Coils	
SV8COIL-115/60HZ	8 W coil for 115 Vac/60 Hz 182°C (360°F) (Class H)
SV8COIL-220AC	8 W coil for 220 Vac/60 Hz 182°C (360°F) (Class H)
SV8COIL-24AC/60HZ	8 W coil for 24 Vac/60 Hz 182°C (360°F) (Class H)
SV14COIL-24DC	14 W coil for 24 Vdc 182°C (360°F) (Class H)
SV14COIL-12DC	14 W coil for 12 Vdc 182°C (360°F) (Class H)
Repair Kits (Include Diaph	aragm, Spring, Plunger and O-rings)
VRK-4012	Repair kit for SV4001 and SV4002
VRK-4034	Repair kit for SV4003 and SV4004
VRK-4002SS	Repair kit for SV4002-SS
VRK-4034SS	Repair kit for SV4003-SS and SV4004-SS

Comes complete with operator's manual, 8 W coil, and cable grip. **Ordering Examples: SV4002A**, $\frac{1}{2}$ NPT normally closed valve for $\frac{7}{16}$ " orifice. **SV4004A-NO**, 1 NPT normally open valve for 1"s orifice.