

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

SV4000A Series
Starts at
\$190



- 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°C (32 to 360°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 1/2" conduit plug is also available.

SPECIFICATIONS

Mounting Position: Any (preferably with solenoid system upright)

Max Process Temp: 60 to 182°C (140 to 360°F) PTFE O-ring

Max Ambient Temp: Coil dependent (see ratings on coils)

Voltage Tolerance: ±10% AC, ±5% DC

Opening Time (ms):

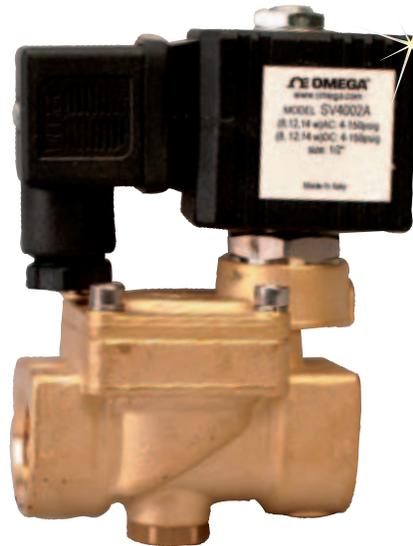
Approximately 100 to 200

Closing Time (ms):

Approximately 200 to 1200

Cycling Rate: Approx. 60 cpm

Duty Cycle: Continuous (100%)



SV4002A, \$190, shown smaller than actual size.



SV4003A-NO, \$402, shown smaller than actual size.



SV4003A-SS, \$733, shown smaller than actual size.



Coil Molding Material:

Black Polyphenylensulphide (Class H):

SV8COIL-115/60 HZ

SV8COIL-220/60 HZ

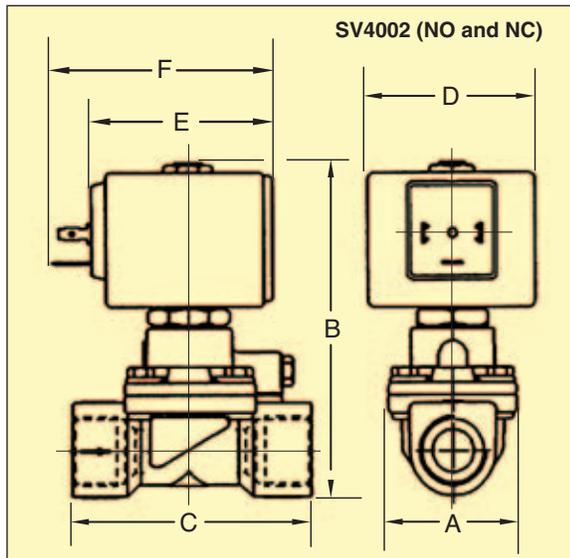
Black Epoxy Resin (Class H):

All 14 W coils, NEMA 4

Materials of Construction		
Body	Brass	316 SS
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

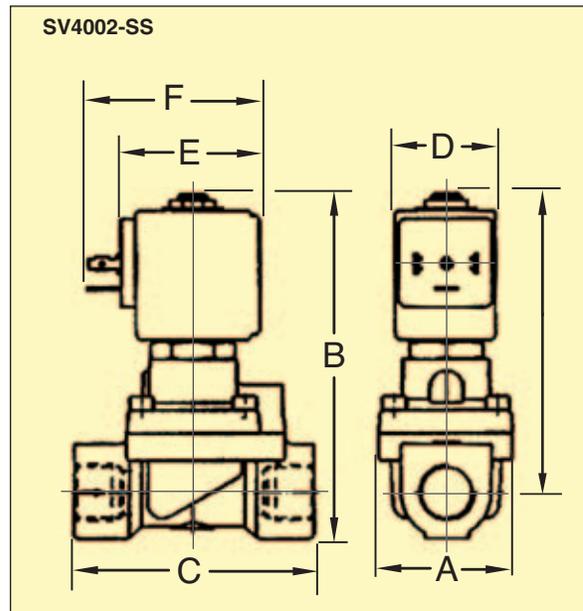
Coil Specifications		
Watt	Inrush VA	Holding VA
8.0	25.0	14.0
14.0	43.0	27.0

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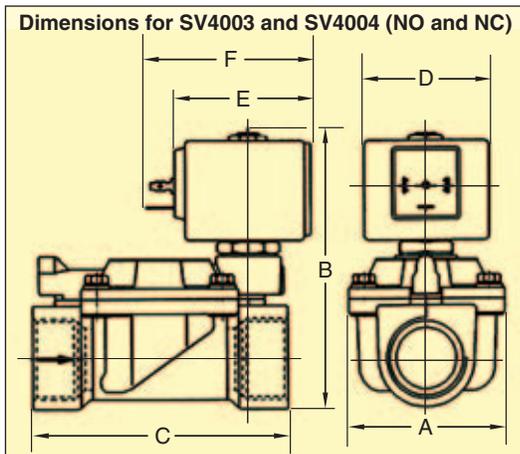
Valve Dimensions			
Model No.	A	B	C
SV4002A	1 ¹ / ₃₂ "	4 ⁷ / ₃₂ "	2 ¹ / ₁₆ "

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



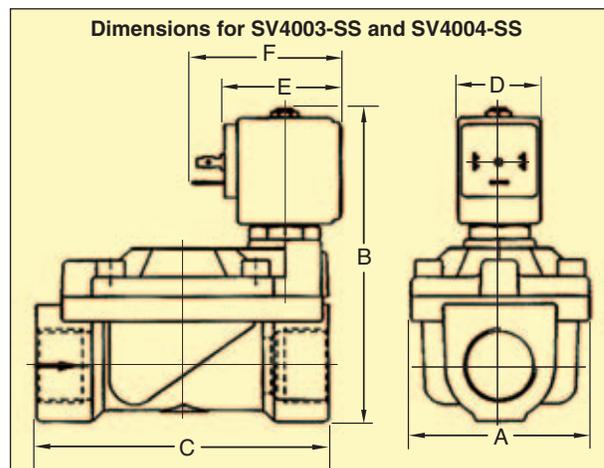
Valve Dimensions			
Model No.	A	B	C
SV4002A-SS	1 ¹ / ₁₆ "	4 ¹ / ₁₆ "	2 ²⁷ / ₃₂ "

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



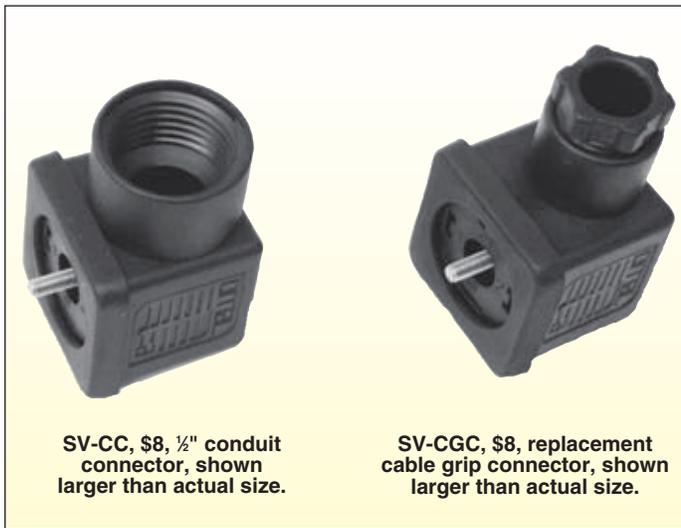
Valve Dimensions			
Model No.	A	B	C
SV4003A	1 ²⁹ / ₃₂ "	4 ²³ / ₃₂ "	2 ¹⁵ / ₁₆ "
SV4004A	2 ⁷ / ₁₆ "	5 ¹ / ₈ "	3 ¹¹ / ₁₆ "

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



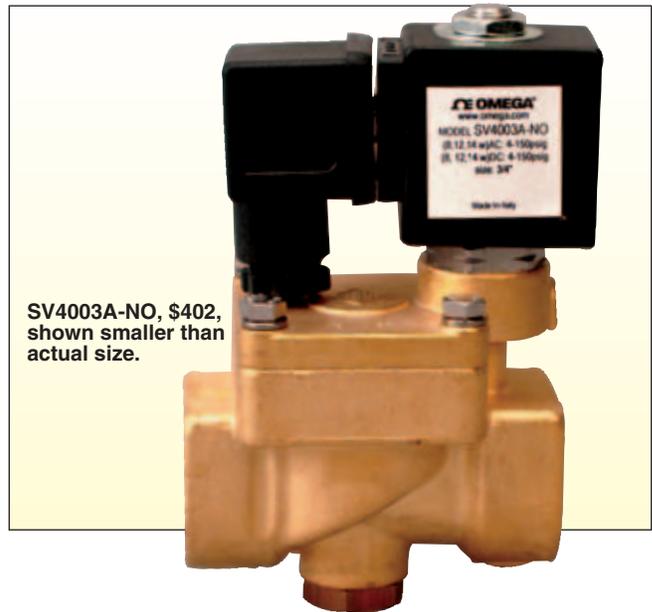
Valve Dimensions			
Model No.	A	B	C
SV4003A-SS	2 ⁹ / ₁₆ "	4 ¹⁷ / ₃₂ "	4 ³ / ₃₂ "
SV4004A-SS			

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



SV-CC, \$8, 1/2" conduit connector, shown larger than actual size.

SV-CGC, \$8, replacement cable grip connector, shown larger than actual size.



SV4003A-NO, \$402, shown smaller than actual size.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)											
Brass Valves									Operating Pressure		
Normally Closed Model No.	Price	Normally Open Model No.	Price	Pipe Size NPT	Orifice Size	Cv Flow Factor	Coil		MIN psi	M.O.P.D.*	
							Standard	Optional		AC psi	DC psi
SV4002A	\$190	SV4002A-NO	\$370	1/2	7/16"	3.4	8 W	14 W	7	150	150
SV4003A	306	SV4003A-NO	402	3/4	3/4"	6.2	8 W	14 W			
SV4004A	358	SV4004A-NO	450	1	1"	11.0	8 W	14 W			
Normally Closed 316 SS Valves											
Model No.	Price	Pipe Size NPT	Orifice Size	Cv Flow Factor	Power	MIN psi	AC psi	DC psi			
SV4002A-SS	\$489	1/2	7/16"	2.4	8 W	7	150	150			
SV4003A-SS	733	3/4	3/4"	8.0							
SV4004A-SS	733	1	1"	9.0							

* Maximum operating pressure differential.

Accessories

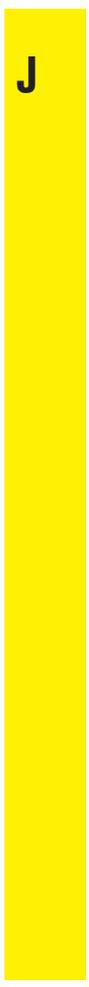
Connectors		
Model No.	Price	Description
SV-CGC	\$8	Replacement cable grip connector
SV-CC	8	1/2" conduit connector
Coils		
SV8COIL-115/60HZ	\$23	8 W coil for 115 Vac/60 Hz 182°C (360°F) (Class H)
SV8COIL-220AC	16	8 W coil for 220 Vac/60 Hz 182°C (360°F) (Class H)
SV8COIL-24AC/60HZ	16	8 W coil for 24 Vac/60 Hz 182°C (360°F) (Class H)
SV14COIL-24DC	16	14 W coil for 24 Vdc 182°C (360°F) (Class H)
SV14COIL-12DC	16	14 W coil for 12 Vdc 182°C (360°F) (Class H)
Repair Kits (Include Diaphragm, Spring, Plunger and O-rings)		
VRK-4012	\$71	Repair kit for SV4001 and SV4002
VRK-4034	107	Repair kit for SV4003 and SV4004
VRK-4002SS	86	Repair kit for SV4002-SS
VRK-4034SS	114	Repair kit for SV4003-SS and SV4004-SS

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

Ordering Examples: SV4002A, 1/2 NPT normally closed valve for 7/16" orifice, \$190.

SV4004A-NO, 1 NPT normally open valve for 1" orifice, \$450.

Recommended Reference Book: Valve Handbook, FW-306, \$125. See Section Y for Additional Books



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