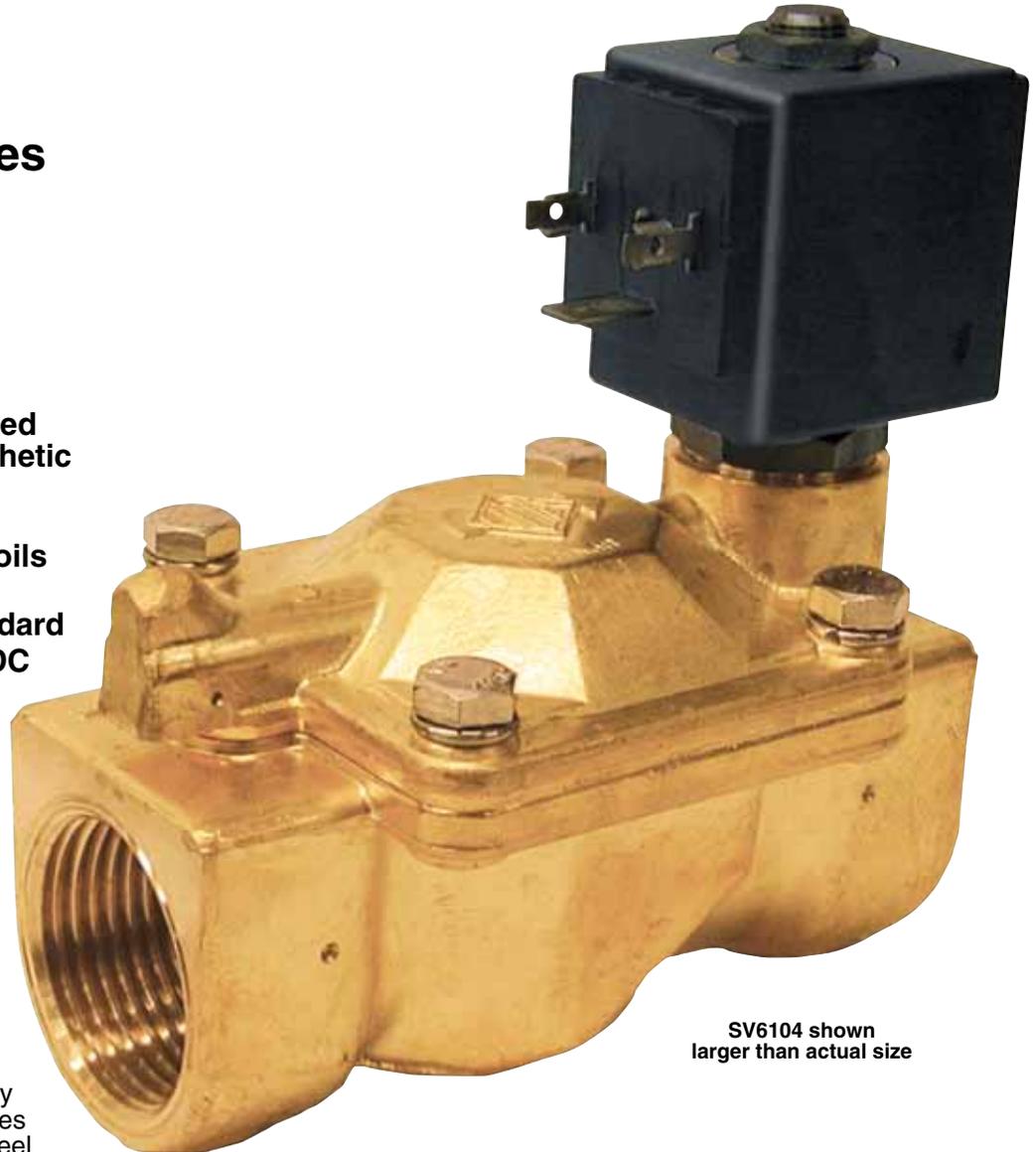


BRASS 2-WAY SOLENOID VALVES

SV6100 Series



- ✓ Normally Closed
- ✓ Ideal for Compressed Air, Inert Gas, Synthetic Oils and Water
- ✓ 120 Vac Standard (220 Vac and DC Coils are Optional)
- ✓ 8 W, AC Coils Standard
- ✓ 12 or 14 W, AC or DC Coils Available For Many Models



SV6104 shown larger than actual size

SV6100 Series 2-way solenoid valves are internally piloted with assisted lift valves featuring Brass, stainless steel construction and FKM seal material. The temperature range from -10 to 137°C (14 to 280°F) and FKM O-ring material is ideal for neutral media such as compressed air, inert gases, synthetic oils and water.

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)

Operating Ambient:

FKM O-Ring: -10 to 137°C (14 to 280°F)

Maximum Process Temperature: Coil dependent (see ratings on coils)
Voltage Tolerance: ±10%

Opening Time (msec): 200 to 500 approximately
Closing Time (msec): 100 to 4000 approximately
Cycling Rate: approximately 10 to 50 cpm
Duty Cycle: Continuous (100%)
Coil Molding Material:

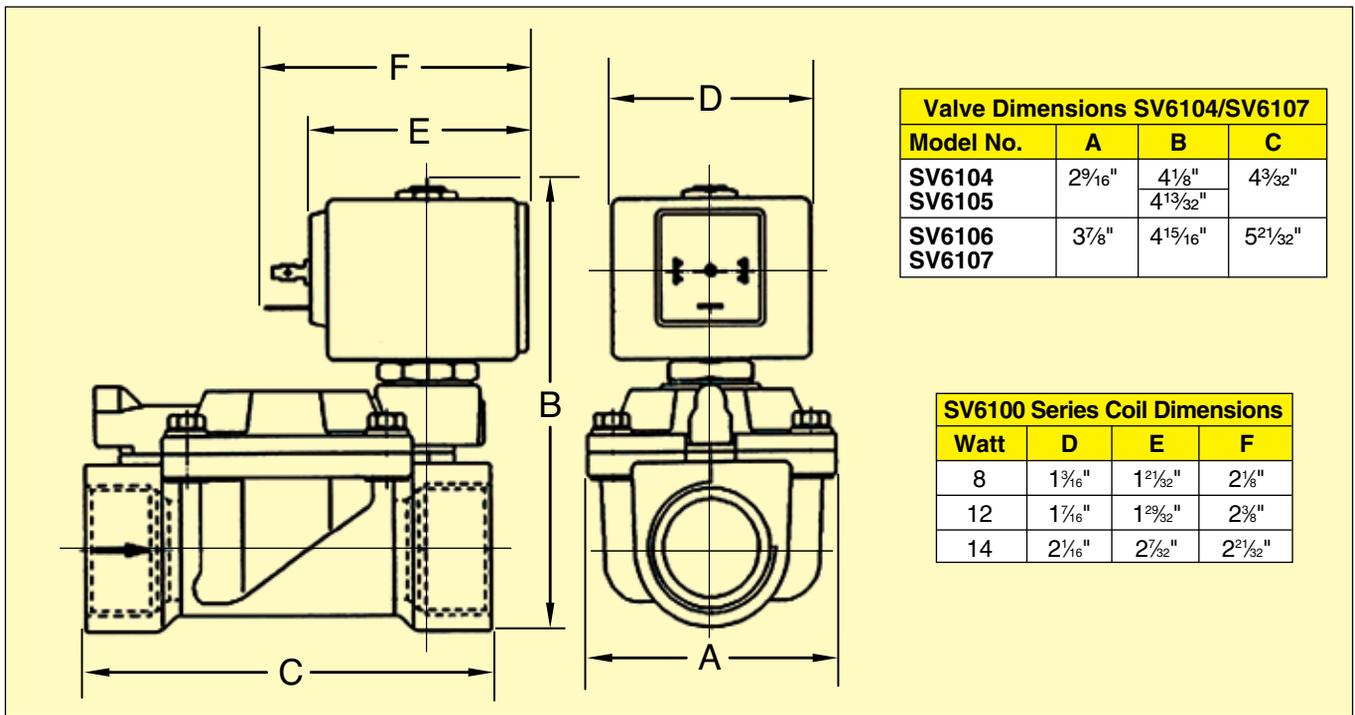
Black Polyester (Class F): SV8COIL-115AC, SV8COIL-24DC/60HZ, SV8COIL-220AC

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	Brass

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



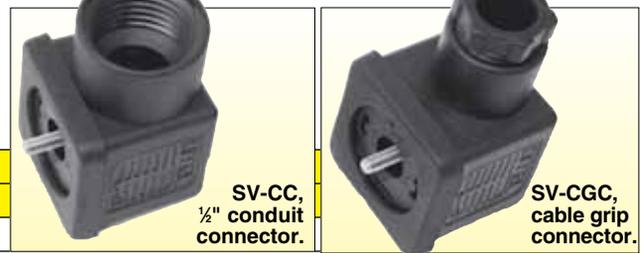
Valve Dimensions SV6104/SV6107			
Model No.	A	B	C
SV6104	2 ⁹ / ₁₆ "	4 ¹ / ₈ "	4 ³ / ₃₂ "
SV6105		4 ¹³ / ₃₂ "	
SV6106	3 ⁷ / ₈ "	4 ¹⁵ / ₁₆ "	5 ²¹ / ₃₂ "
SV6107			

SV6100 Series 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 ⁷ / ₃₂ "	2 ²¹ / ₃₂ "

To Order									
Normally Closed Model No.	Pipe Size	Orifice Size	Cv Flow Factor	O-Ring	Coils		Operating Pressure		
					Standard	Optional	Minimum psi	M.O.P.D.*	
								AC psi	AC psi
SV6104	3/4"	3/4"	9.8	FKM	8 W	–	2	230	230
SV6105	1"	1"	14	FKM	8 W	–	2	230	230
SV6106	1 1/4"	1 3/8"	28	FKM	8 W	–	2	150	150
SV6107	1 1/2"	1 1/2"	36	FKM	8 W	–	2	150	150

* Maximum operational pressure differential.
 Comes complete with operator's manual, 8 W coil and cable grip connector.
Ordering Examples: SV6105, 1 NPT normally closed valve for 1" orifice.
 SV6104, 3/4" normally closed valve for 3/4" orifice.
 SV8COIL-12DC, 8 W coil for 12 Vdc 154°C (310°F) (Class F).

Both models shown smaller than actual size.



Accessories

Model No.	Description
Connectors	
SV-CGC	Cable grip connector
SV-CC	1/2" conduit connector
Coils	
SV8COIL-115AC	Replacement 8W coil for 110 to 120 VAC/50 to 60 Hz 154°C (310°F) (Class F)
SV8COIL-12DC	8W coil for 12 Vdc 154°C (310°F) (Class F)
SV8COIL-24DC	8W coil for 24 Vdc 154°C (310°F) (Class F)
SV8COIL-24AC/60HZ	8W coil for 24 Vac/60Hz 182°C (360°F) (Class F)
SV8COIL-220AC	8W coil for 220 to 240 Vac/50 to 60 Hz 154°C (310°F) (Class F)
SV8COIL-115/60HZ	8W coil for 115 Vac/60 Hz 182°C (360°F) (Class H)
SV12COIL-120/60HZ	12W coil for 120 Vac/60 Hz 154°C (310°F) (Class F)
SV12COIL-12DC	12W coil for 12 Vdc 154°C (310°F) (Class F)
SV12COIL-24DC	12W coil for 24 Vdc 154°C (310°F) (Class F)
SV14COIL-24DC	14W coil for 24 Vdc 182°C (360°F) (Class H)
SV14COIL-24/50-60HZ	14W coil for 24 Vac/50 to 60 Hz 182°C (360°F) (Class H)
SV14COIL-12DC	14W coil for 12 Vdc 182°C (360°F) (Class H)

Ordering Examples: SV-CGC, cable grip connector.
 SV8COIL-12DC, 8W coil for 12 Vdc 154°C (310°F) (Class F).