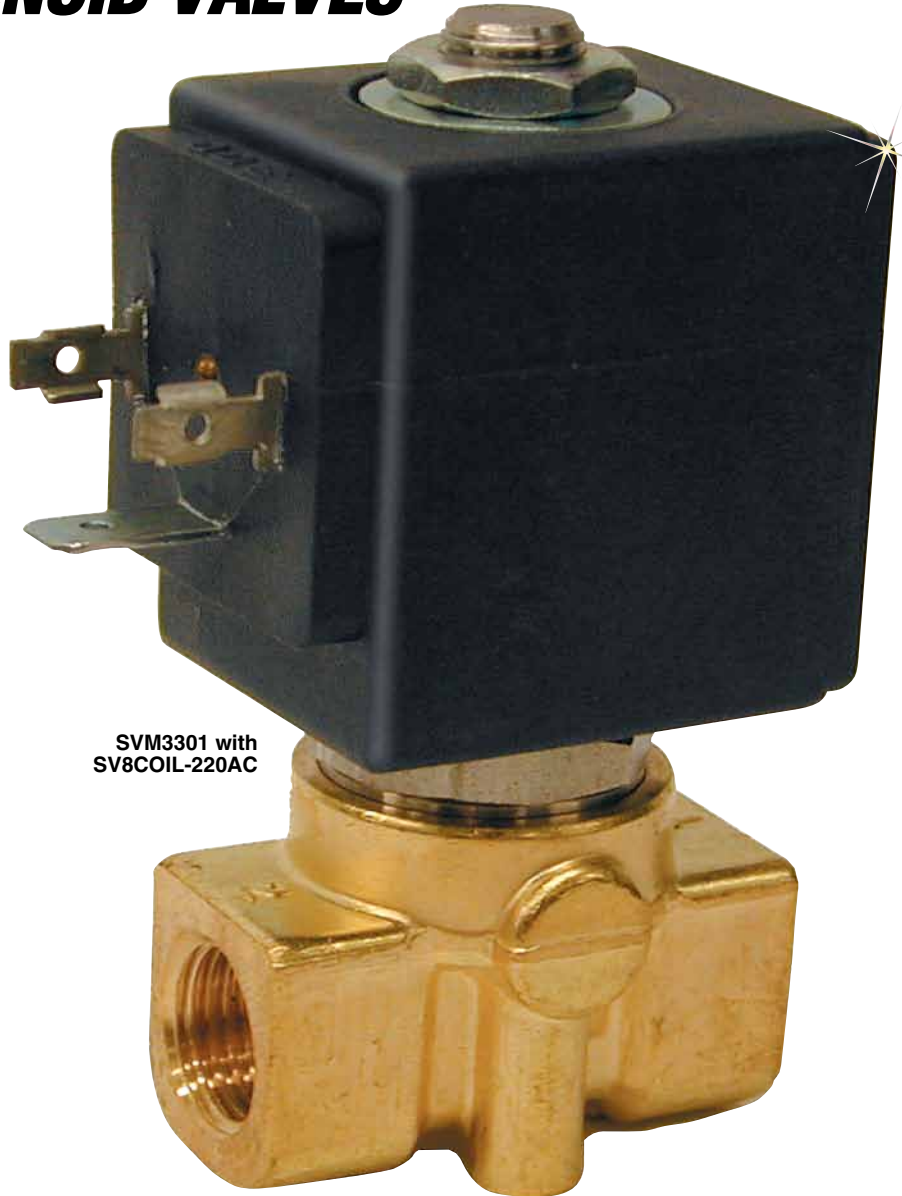


2-WAY GENERAL PURPOSE SOLENOID VALVES

SVM3300 Series



- ✓ Ideal for Compressed Air, Inert Gas, Water and Synthetic Oils
- ✓ Available in Normally Open or Normally Closed
- ✓ Process Temperature to 140°C
- ✓ 8, 12 or 14W, AC or DC Coils Available



SVM3301 with SV8COIL-220AC

SVM3300 Series 2-way solenoid valves are direct-acting valves featuring brass, and stainless steel construction with FKM seal material. The temperature range from -10 to 140°C is ideal for neutral media such as compressed air, inert gases, water, and synthetic oils.

SPECIFICATIONS

Mounting Position: Any (preferably with solenoid system upright)

Maximum Process Temperature: 140°C 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

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):

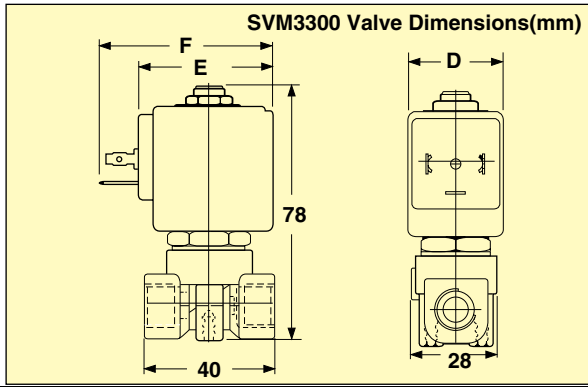
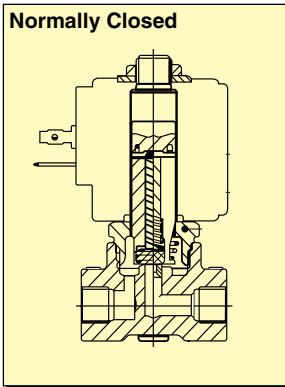
SV8COIL-115/60HZ

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



Coil Dimensions(mm)			
Watt	D	E	F
8	30	42	54
12	36	48	60
14	52	55	67

To Order

Normally Closed	Normally Open	Pipet Size	Orifice dia. (mm)	KV (L/M)	Coils		MIN bar	Operating Pressure (N/C Models)	
					Standard	Optional		AC bar	DC bar
SVM3301	SVM3301-NO	G $\frac{1}{8}$	1.5	1.4	8 W	—	0	30	18
SVM3302	SVM3302-NO	G $\frac{1}{8}$	2	2	8 W	—	0	22	16
		G $\frac{1}{8}$	2	2	—	12 or 14 W	0	35	30
SVM3303	SVM3303-NO	G $\frac{1}{8}$	2.5	3.2	8 W	—	0	14	9
		G $\frac{1}{8}$	2.5	3.2	—	12 or 14 W	0	30	25
SVM3304	SVM3304-NO	G $\frac{1}{8}$	3	4	8 W	—	0	10	6
		G $\frac{1}{8}$	3	4	—	12 or 14 W	0	25	18/20‡
SVM3305	SVM3305-NO	G $\frac{1}{8}$	4.5	6.5	8 W	—	0	5	2
		G $\frac{1}{8}$	4.5	6.5	—	12 or 14 W	0	12	7/8‡
SVM3306	SVM3306-NO	G $\frac{1}{4}$	1.5	1.4	8 W	—	0	30	18
SVM3307	SVM3307-NO	G $\frac{1}{4}$	2	2	8 W	—	0	22	16
		G $\frac{1}{4}$	2	2	—	12 or 14 W	0	35	30
SVM3308	SVM3308-NO	G $\frac{1}{4}$	2.5	3.2	8 W	—	0	14	9
		G $\frac{1}{4}$	2.5	3.2	—	12 or 14 W	0	30	25
SVM3309	SVM3309-NO	G $\frac{1}{4}$	3	4	8 W	—	0	10	6
		G $\frac{1}{4}$	3	4	—	12 or 14 W	0	25	18/20‡
SVM3310	SVM3310-NO	G $\frac{1}{4}$	4.5	6.5	8 W	—	0	5	2
		G $\frac{1}{4}$	4.5	6.5	—	12 or 14 W	0	12	7/8‡
SVM3311	SVM3311-NO	G $\frac{1}{4}$	5.5	9	8 W	—	0	3	1
		G $\frac{1}{4}$	5.5	9	—	12 or 14 W	0	7/10‡	2.5/5‡

* Maximum operational pressure differential.

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

Accessories

Model No.	Description
Connectors	
SMV-SDC	Standard DIN Connector with screw terminals and PG9 cable gland
SVM-SDC-1M	Standard DIN Connector moulded with 1 metre of 3-core cable
SVM-SDC-2M	Standard DIN Connector moulded with 2 metres of 3-core cable
Coils	
SV8COIL-115AC	8 W coil for 110 to 120 Vac/50 to 60 Hz 155°C (Class F)
SV8COIL-12DC	8 W coil for 12 Vdc 155°C (Class F)
SV8COIL-24DC	8 W coil for 24 Vdc 155°C (Class F)
SV8COIL-24AC/60HZ	8 W coil for 24 Vac/50 to 60Hz 180°C (Class F)
SV8COIL-220AC	8 W coil for 220 to 240 Vac/50 to 60 Hz 155°C (Class F)
SV8COIL-115/60HZ	8 W coil for 115 Vac/60 Hz 180°C (Class H)
SV12COIL-120/60HZ	12 W coil for 120 Vac/60 Hz 155°C (Class F)
SV12COIL-12DC	12 W coil for 12 Vdc 155°C (Class F)
SV12COIL-24DC	12 W coil for 24 Vdc 155°C (Class F)
SV14COIL-24DC	14 W coil for 24 Vdc 180°C (Class H)
SV14COIL-24/50-60HZ	14 W coil for 24 Vdc/50 to 60Hz 180°C (Class H)
SV14COIL-12DC	14 W coil for 12 Vdc 180°C (Class H)

Ordering Examples: SVM3301 N/C G $\frac{1}{8}$ valve + Sv8COIL-24DC 8W Coil + SVM-SDC Connector