

# CLARK SC & KSV 2-Way N.C. & 2-Way N.O. Solenoid Vent Valves

DC Power, Air or Inert Gas, Pressure to 465 mm Hg (9 PSI)

### DESCRIPTION

Model series KSV offers great performance in a very economical design. This product is best suited for OEM applications where the valve performance is acceptable and where low component cost is necessary.

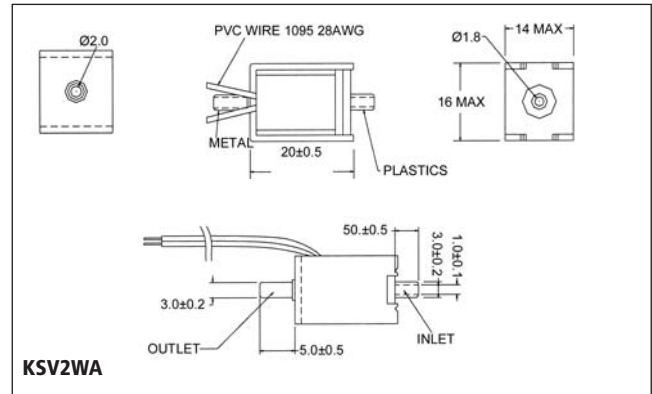
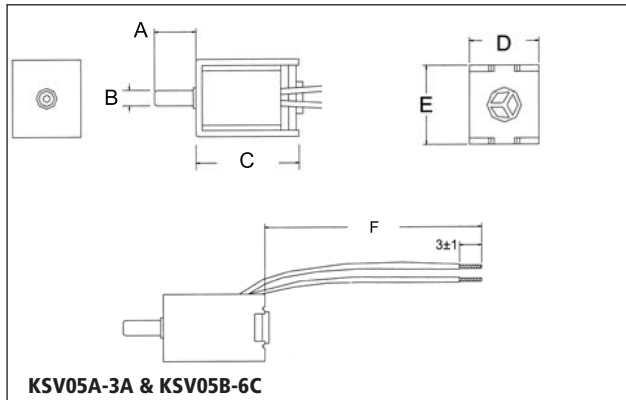
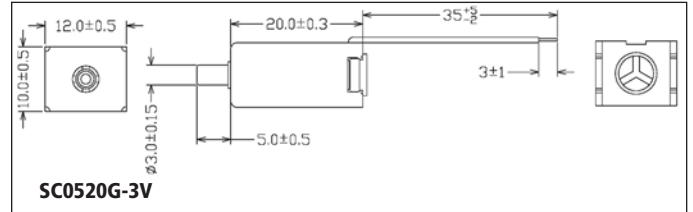
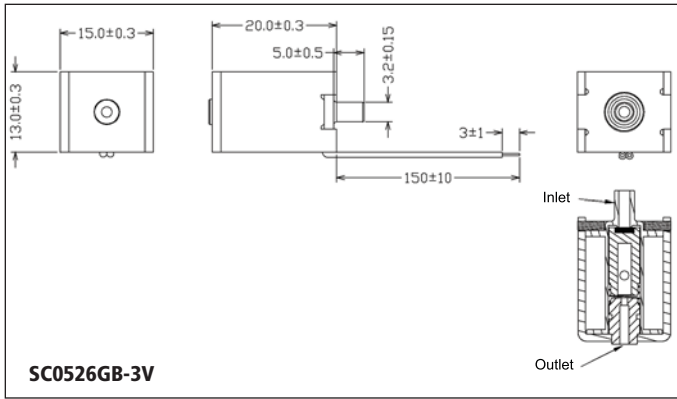
The valve plunger and spring are fabricated from steel and therefore the valve is limited to use with air and other inert gases.

Product uses are on medical equipment such as venting a cuff on automatic blood pressure measurement equipment, appliance applications and a range of industrial low pressure pneumatic control applications.

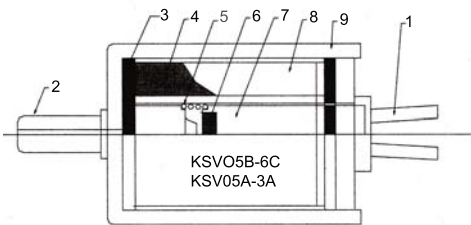


SPECIFICATIONS						
	SC0526GB-3V	SC0520G-3V	KSV05A-3A	KSV05B-6C	KSV2WA-6A	KSV2WA-12A
Configuration	Normally Closed	Normally Open	Normally Open	Normally Open	Normally Closed	Normally Closed
Media	Air or Inert Gases					
Power	3 VDC	3 VDC	3 VDC	6 VDC	6 VDC	12 VDC
Power Consumption	0.9 W	0.21 W	0.225W	0.225W	2.25W	5.54 W
Rated Current	300 mA	70 mA	75 mA	60 mA	375 mA	462 mA
Coil Resistance	10 Ohm ±10%	42 Ohm ±10%	40 Ohm ±10%	100 Ohm ±10%	16 Ohm ±10%	25-30 Ohms
Recommended Duty Cycle (Coil Energized)	100%	100%	100%	100%	20%	10%
Recommended Max On Time	-	-	-	-	10 Seconds	5 Seconds
Typ. Cycle Life (No Load)	>200,000	>200,000	>30,000	>30,000	>30,000	>50,000
Rated/Max Inlet Pressure	350/350 mm Hg	300/350 mm Hg	300/330 mm Hg	300/350 mm Hg	300/350 mm Hg	465/620 mm Hg
Approx. Exhaust time	<3 sec. to drop pressure from 300 mm Hg to 15 mm Hg in a 100 cc tank	<3 sec. to drop pressure from 300 mm Hg to 15 mm Hg in a 100 cc tank	<3 sec. to drop pressure from 300 mm Hg to 15 mm Hg in a 100 cc tank	<6 sec. to drop pressure from 300 mm Hg to 10 mm Hg in a 500 cc tank	<4 sec. to drop pressure from 300 mm Hg to 15 mm Hg in a 500 cc tank	<4.5 sec. to drop pressure from 465 mm Hg to 15 mm Hg in a 500 cc tank
Operating Temp.	0-45°C	0-45°C	0-45°C	0-45°C	0-45°C	0-45°C
Storage Temperature	-20-60°C	-20-60°C	-20-60°C	-20-60°C	-20-60°C	-20-60°C
Insulation Class	A	A	A	A	A	A
Lead Wires	UL 1095, 28 AWG 150 mm (Black)	UL 1095, 28 AWG 75 mm (Black)	UL 1095, 28 AWG 43 mm (Black)	UL 1095, 28 AWG 153 mm (Black)	UL 1095, 28 AWG 153 mm (Black)	UL 1095, 28 AWG 65 mm (Black)
Wiring Polarity	None					
Inlet Connection	3.2 mm	3 mm Barb	3 mm Barb	3 mm Barb	3 mm Barb	3 mm Barb
Outlet Connection	To Atmosphere	To Atmosphere	To Atmosphere	To Atmosphere	3 mm Barb	3 mm Barb

## DIMENSIONS (MM)



	A	B	C	D	E	F
<b>KSV05A-3A</b>	5.0±0.5	3.0 ±0.2	20±0.5	10.0±0.5	12.2±0.5	43 ±10.0
<b>KSV05B-6C</b>	7.0±0.5	3.0 ±0.2	20±0.5	14.0 Max	16.0 Max	153 ±5.0



- 1) PVC Wire: UL1095 28AWG, black
- 2) Nozzle: Steel
- 3) Bobbin: Plastic, 130°C
- 4) Wire: 2-uew, 130°C
- 5) Spring: Spring Steel
- 6) Washer: Rubber
- 7) Plunger: Steel
- 8) Tape: Mylar, 130°C
- 9) Frame: Cold Steel
- 10) Magnet

## ORDERING INFORMATION

### SELECT MODEL NUMBER

Model	Description
<b>SC0526GB-3V</b>	<b>Two-way, Normally Closed, 3 VDC</b>
<b>SC0520G-3V</b>	<b>Two-way, Normally Open, 3 VDC</b>
<b>KSV05A-3A</b>	<b>Two-way, Normally Open, 3 VDC</b>
<b>KSV05B-6C</b>	<b>Two-way, Normally Open, 6 VDC</b>
<b>KSV2WA-6A</b>	<b>Two-way, Normally Closed, 6 VDC</b>
<b>KSV2WA-12A</b>	<b>Two-way, Normally Closed, 12 VDC</b>

Above items typically ship from stock  
Consult Factory for other voltages & configurations