

The Series 202 Preciflow valves are 2-Way, normally closed, solenoid valves designed to proportionally control the flow of air or inert gases by varying the electrical input to the coil. They are available as stand alone valves with M5 threaded ports.

- Ideal to precisely control flow rates in medical equipment and analytical instrumentation.
- Compact construction saves valuable space in equipment.
- Valves do not require minimum operating pressure
- Low hysteresis, excellent repeatability, and high sensitivity for precise flow control.

Construction

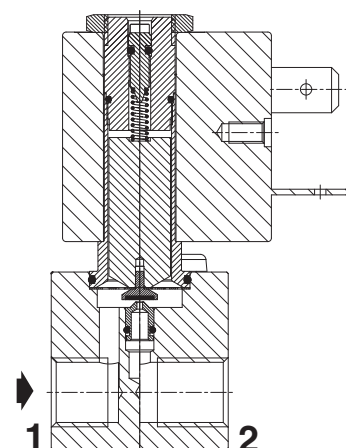
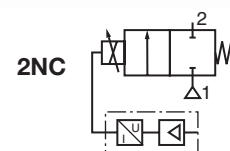
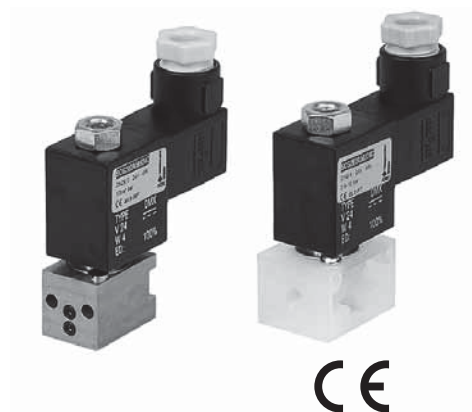
Valve Wetted Materials	
Body	Brass or PVDF
Core and Plugnut	Stainless Steel
Springs	Stainless Steel
Seals	FKM

Electrical

Standard Voltage	12 VDC, 24 VDC
Electrical Coil Input	0-12 VDC, 0-24 VDC
Power Consumption	1.0, 4.0, 5.0, 9.0 Watts
Opening Current 12 VDC	Max. 85 mA (1.0 Watt), 340 mA (4.0 Watt), 400mA (5.0 Watt), 760mA (9.0 Watt)
24 VDC	Max. 40 mA (1.0 Watt), 170 mA (4.0 Watt), 230mA (5.0 Watt), 380mA (9.0 Watt)
Recommended PWM Frequency	1000Hz
Hysteresis	<3%
Repeatability	<1%
Sensitivity	<1%
Coil Insulation	311°F (155°C)
Electrical Connectors	DIN Spade Terminal
DIN Connectors	Size 9.4mm, DIN 43650 Form C

Alternate Construction Options

Additional constructions and options are available including alternate body materials, power ratings, and proportional electronic controls. Minimum quantities apply



Temperature Range:

Ambient & Media:
0°F to 122°F (0°C to 50°C)

Approvals:

Meets applicable CE directives.



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Specifications

Port Type	Orifice Size (in)	Cv Flow Factor	Operating Pressure (psi)		Prefix	Catalog Number	Const. Ref	Power (Watts)	Weight (oz)
			Vac (in Hg)	Max					
Brass Body									
M5	0.004	0.0003	26	145	SC	G202A500xxxx	1	1.0	3.5
G1/8	0.031	0.021	26	145	SC	G202A510xxxx	3	5.0	7.1
G1/8	0.047	0.048	26	145	SC	G202A511xxxx	3	5.0	7.1
G1/8	0.063	0.082	26	116	SC	G202A512xxxx	3	5.0	7.1
G1/8	0.079	0.111	26	87	SC	G202A513xxxx	3	5.0	7.1
PVDF Body									
M5	0.008	0.001	26	145	SC	G202A501xxxx	2	1.0	2.1
M5	0.016	0.006	26	145	SC	G202A502xxxx	2	4.0	2.1
M5	0.024	0.011	26	145	SC	G202A503xxxx	2	4.0	2.1
M5	0.031	0.021	26	145	SC	G202A504xxxx	2	4.0	2.1

Catalog Number Description and Options

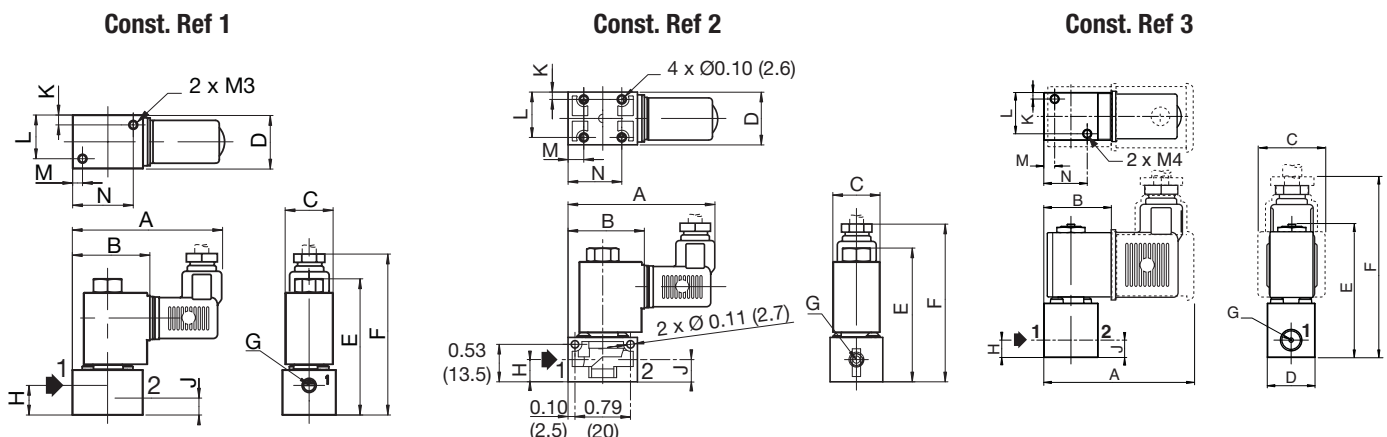
SC	G202A500	xxxx
Prefix	Catalog Number	Voltage 12DC 24DC

Examples

SCG202A50012DC = Brass body with 0.004" orifice, 12VDC

SCG202A50124DC = PVDF body with 0.008" orifice, 24VDC

Dimensions: Inches (mm)



Const. Ref	Catalog Number	A	B	C	D	E	F	G	H	J	K	L	M	N
1	SCG202A500	2.12 (53.9)	1.08 (27.5)	0.67 (17)	0.75 (19)	1.90 (48.2)	2.34 (59.5)	M5	0.41 (10.5)	0.24 (6.0)	0.14 (3.5)	0.61 (15.5)	0.14 (3.5)	0.85 (21.5)
2	SCG202A501/A502/A503/A504	2.12 (53.9)	1.08 (27.5)	0.67 (17)	0.75 (19)	1.90 (48.2)	2.34 (59.5)	M5	0.31 (8)	0.31 (8)	0.10 (2.65)	0.64 (16.35)	0.22 (5.65)	0.76 (19.35)
3	SCG202A510/A511/A512	2.49 (63.3)	1.22 (31.1)	0.19 (23)	0.87 (22)	2.38 (60.4)	2.97 (75.4)	G1/8	0.31 (8)	0.31 (8)	0.12 (3)	0.75 (19)	0.20 (5)	0.79 (20)
3	SCG202A513	2.49 (63.3)	1.22 (31.1)	0.18 (30)	0.87 (22)	2.38 (60.4)	2.97 (75.4)	G1/8	0.31 (8)	0.31 (8)	0.12 (3)	0.75 (19)	0.20 (5)	0.79 (20)