

Coolant Valve

SGC Series

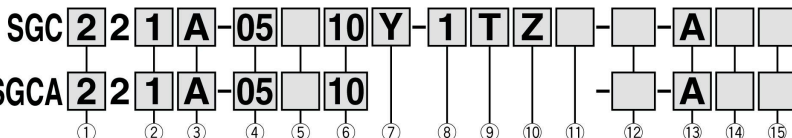


How to Order



Made to Order
(For details, refer to page 591.)

External Pilot Solenoid



Air Operated



① Series

2	SGC200
3	SGC300
4	SGC400
5	SGC500
6	SGC600
7	SGC700

② Valve type

1	N.C.
2	N.O.

③ Seal material

A	NBR
B	FKM

④ Pressure range

05	0 to 0.5 MPa
10	0 to 1 MPa
16*	0 to 1.6 MPa

* Only available for 2, 3, 4 series.

⑤ Thread type

Nll	Rc
G	G (ISO1179-1)
N	NPT
T	NPTF

⑥ Port size

10	3/8	SGC200
15	1/2	SGC300
20	3/4	SGC400
25	1	SGC500
32	1 1/4	SGC600
40	1 1/2	SGC700
50	2	SGC700

⑦ Pilot valve

Symbol	Pilot valve	SGC2	SGC3	SGC4	SGC5	SGC6	SGC7
Y	0.35 W type (V116)	○	○	○	○	○	○
H	1.8 W type (VO307)	*	*	*	○	○	○

Note) 0.35 W type (Pilot valve V116) is a low wattage specification. The response is slower than VNC series. If the response time is a problem, use the 1.8 W type (VO307). Please note that the power consumption is 1.8 W (With indicator light: 2 W).






* SGC2/3/4-X1 (See page 591.)

⑧ Rated voltage

1	100 VAC 50/60 Hz
2	200 VAC 50/60 Hz
3	110 VAC [115 VAC] 50/60 Hz
4	220 VAC [230 VAC] 50/60 Hz
5	24 VDC
6	12 VDC

Note) Refer to page 592 when using with energization for long periods of time.

⑨ Electrical entry

T: Conduit terminal (Pilot valve V116 only) Note 2) 	D: DIN terminal (Pitch between the terminals: 11 mm) 	DO: DIN terminal without connector Note 1) 	W: M12 connector (4-pin type) Note 3) 
			V: M12 connector (5-pin type) Note 3) 4) 

Note 1) Refer to the table (1) below for combinations with light/surge voltage suppressors.

Note 2) Not available for H (1.8 W type).

Note 3) Cable for M12 connector is not included. Order it separately after referring to the options on page 588.

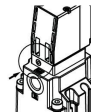

Note 4) Only DC voltage is available.

⑩ Light/surge voltage suppressor

Nll	None
S	With surge voltage suppressor
Z	With light/surge voltage suppressor

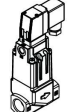
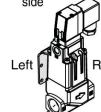
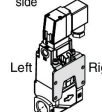
Note) Refer to Table (1) below for combinations with electrical entry.

⑪ Manual override

Nll: Non-locking push type 	D: Push-turn locking lever type Note) 
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Note) Only available for Y (0.35 W type).

⑫ Bracket mounting position

Nll: Without bracket 	B1: Bracket on the left side 	B2: Bracket on the right side 
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Note) Bracket cannot be attached later.

* Only available for 2, 3, 4 series.

Table (1) Electrical Entry/Light/Surge Voltage Suppressor

Pilot valve	Rated voltage	Electrical entry	Without light/surge voltage suppressor	With surge voltage suppressor	With light/surge voltage suppressor
			Nll	S	Z
0.35 W type (V116)	AC	T	—	●	●
		D	—	●	●
		W	—	●	●
	DC	DO	● (Note)	—	—
		T	—	—	—
		D	●	●	●
1.8 W type (VO307)	AC	W, V	—	—	—
		DO	●	—	—
		D	●	—	—
	DC	W, V	—	—	—
		DO	●	—	—
		D	●	—	—

Note) When AC voltage (V116) without DIN terminal (DO) is selected, always use a DIN connector with surge voltage suppressor as the connector.