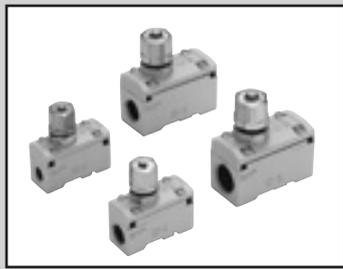
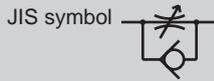


Speed controller Medium port size

SC1 Series

Lightweight enables disassembly while piped.

● Port size: Rc1/8 to Rc1/2



Structure and material restriction

	Structure/treatment	Material restriction			Model No.
P7 Series	Dust generation preventing				— P70
	Dust generation preventing	Copper-based materials prohibited	Silicon-based materials prohibited	Halogen-based materials prohibited (fluorine, chlorine, bromine)	— P74

Specifications

Descriptions		SC1-6	SC1-8	SC1-10	SC1-15
Working fluid		Compressed air			
Max. working pressure	MPa	1.0			
Min. working pressure	MPa	0.05			
Proof pressure	MPa	1.5			
Fluid temperature	°C	5 to 60 (no freezing. *2) (5°C to 120°C for heat resistance/ozone proof specifications)*3			
Ambient temperature	°C	0 to 60 (no freezing) (5°C to 120°C for heat resistance/ozone proof specifications)*4			
Port size	Rc	1/8	1/4	3/8	1/2
Weight	g	100	95	205	195
Applicable cylinder bore size	mm	ø20 to ø50	ø32 to ø75	ø50 to ø140	ø80 to ø160
Dial indicator value		10	10	10	10
Free flow	Flow rate ℓ/min (ANR)	730	930	2600	2900
	Effective cross-sectional area mm ²	11	14	39	43
Controlled flow	Flow rate ℓ/min (ANR)	530	870	1500	2400
	Effective cross-sectional area mm ²	8	13	22	36

*1: Flow rate is the atmospheric pressure conversion at 0.5 MPa.

*2: Freezing could occur by adiabatic expansion depending on air quality (dew point).

*3: 5 to 60 , [5 to 120 (248°F) for heat resistance/ozone proof specifications]

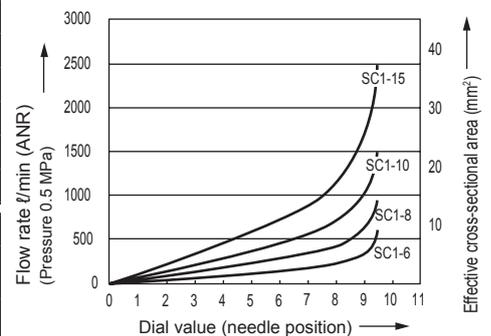
*4: 0 to 60 , [5 to 120 (248°F) for heat resistance/ozone proof specifications]

How to order



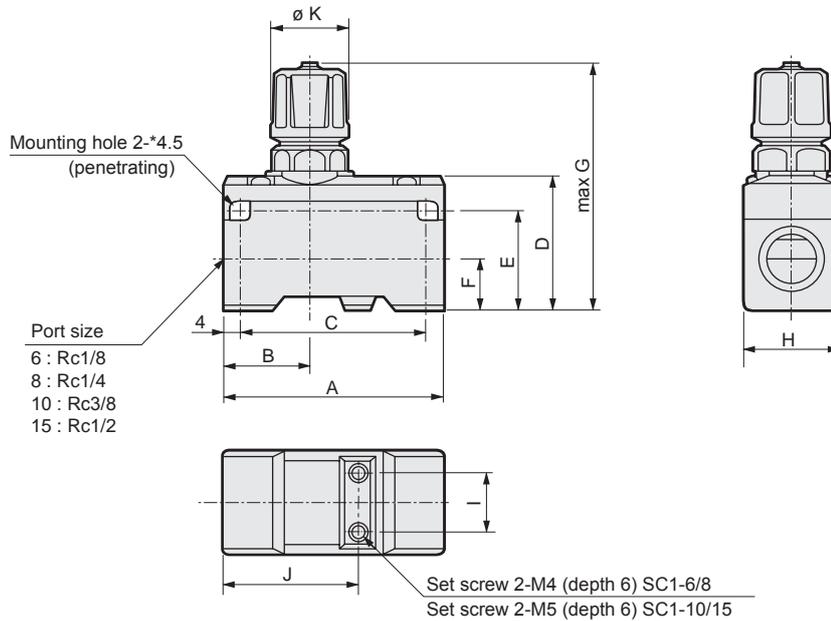
Code	Content	
A Port size		
6	Rc1/8	
8	Rc1/4	
10	Rc3/8	
15	Rc1/2	
B Clean room specifications		
P70	Dust generation preventing	-
P74	Dust generation preventing	Copper-based/silicon-based/halogen-based materials (fluorine, chlorine, bromine) are prohibited

Flow characteristics



Dimensions

● SC1*-P7*



Model No.	A	B	C	D	E	F	G	H	I	J	K
SC1-6/8-P7*	50	20	42	31	23	11	67	22	12	31	19
SC1-10/15-P7*	63	21	55	40	31	15	83	30	18	37	23

Safety precautions

- When operating in the low pressure range (0.05 MPa or less), or when the piping, etc., before and after the product are excessively constricted, note that vibrating sounds can be easily generated if the cylinder speed is rapid, or if the differential pressure is small.
- When tightening, do not tighten needle or lock nut section excessively. (Tightening torque approx. 3 N·m)

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E MN4E
4GA/B
M4GA/B
MN4GA/B
F.R.(module unit)
Clean F.R
Precision R
Press gauge Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending