

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



Speed controller direct piping/elbow

SC3R Series

● Port size: M5, Rc1/8 to Rc1/2

JIS symbol



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	SC3R-M5	SC3R-6	SC3R-8	SC3R-10	SC3R-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					
Ambient temperature	°C 0 to 60 (no freezing)					
Port size	M5	Rc1/8	Rc1/4	Rc3/8	Rc1/2	
Weight	g 14	40	70	110	190	
Applicable cylinder bore size	mm $\phi 6$ to $\phi 16$	$\phi 15$ to $\phi 32$	$\phi 20$ to $\phi 50$	$\phi 32$ to $\phi 75$	$\phi 40$ to $\phi 110$	
Dial indicator value	11	14	14	14	16	
Free flow	Flow rate ℓ/min (ANR)	80	270	500	1100	1600
	Effective cross-sectional area mm^2	1.2	4.0	7.5	16	24
Controlled flow	Flow rate ℓ/min (ANR)	47	240	470	1100	1600
	Effective cross-sectional area mm^2	0.7	3.6	7.0	15	24

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

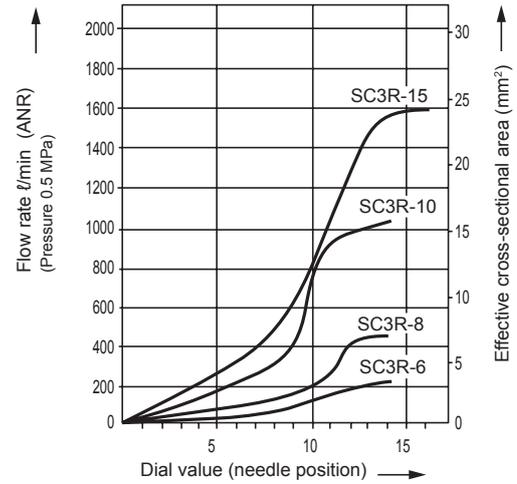
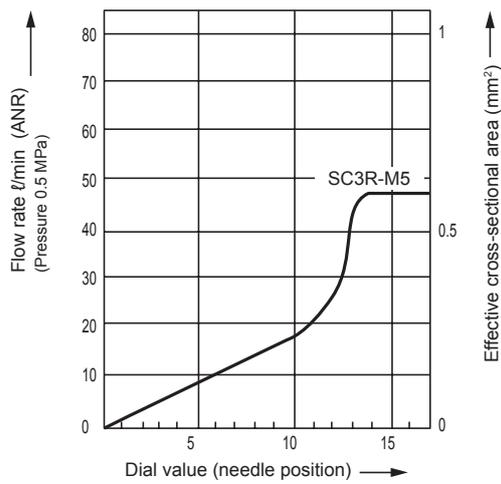
*2: Freezing could occur by adiabatic expansion depending on air quality (dew point).



Code	Content	
A Port size		
M5	M5 × 0.8	
6	Rc1/8*	
8	Rc1/4*	
10	Rc3/8*	
15	Rc1/2*	
B Option		
I	Meter-in	
Blank	Meter-out	
C Clean room specifications		
	Structure/treatment	Material restriction
P70	Dust generation preventing	—
P74	Dust generation preventing	Copper-based/silicon-based/halogen-based materials (fluorine, chlorine, bromine) are prohibited

* Sealant is not applied.

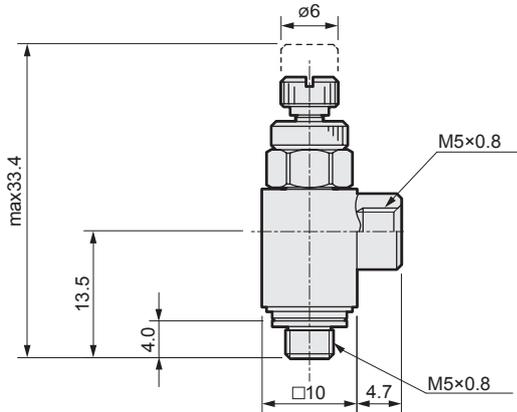
Flow characteristics



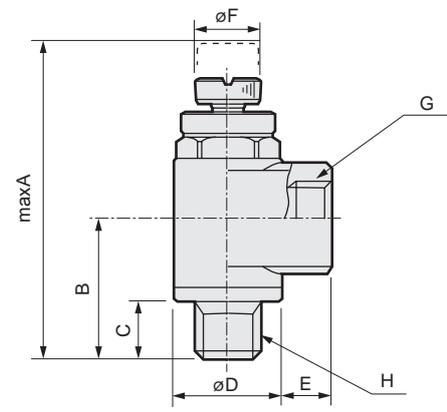
Dimensions



● SC3R-M5-P7 *



● SC3R-6~15-P7 *



Model No.	A	B	C	D	E	F	G	H
SC3R-6-P7*	42.5	18.8	7.7	15.0	6.7	9	Rc1/8	R1/8
SC3R-8-P7*	51.2	23.2	10.7	19.0	9.4	12	Rc1/4	R1/4
SC3R-10-P7*	60.2	27.0	11.7	22.5	10.0	14	Rc3/8	R3/8
SC3R-15-P7*	66.7	30.0	14.7	27.0	13.7	16	Rc1/2	R1/2

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