

Miniature speed controller

SC-M5-FP1 Series

Compact and lightweight enabling space-saving piping.

JIS symbol

SC-M5-S
SC-M5-F



SC-M5-L
SC-M5-A



Pneumatic, Vacuum and Auxiliary Components
Catalog No. CB-024SA

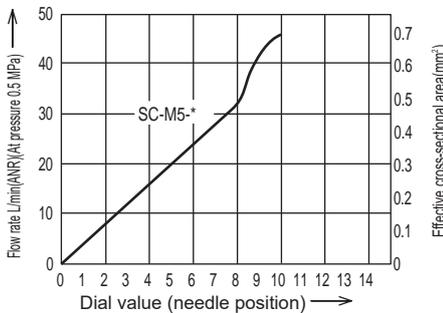
Specifications

Item	SC-M5-S	SC-M5-L	SC-M5-F	SC-M5-A
Working fluid	Compressed air			
Max. working pressure MPa	0.7			
Min. working pressure MPa	0.1			
Proof pressure MPa	1.05			
Fluid temperature °C	5 to 60 (no freezing) *1			
Ambient temperature °C	0 to 60 (no freezing)			
Port size	M5			
Weight g	5.6	4.8	7.9	8.5
Cylinder bore size mm	ø6 to ø25			
Dial value (needle position)	10			
Free flow	Flow rate L/min (ANR)		53	
	Effective cross-sectional area mm ²		0.8	
Controlled flow	Flow rate L/min (ANR)		47	
	Effective cross-sectional area mm ²		0.7	

*1: Freezing may occur due to adiabatic expansion depending on the air quality (dew point).

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

Flow characteristics



How to order

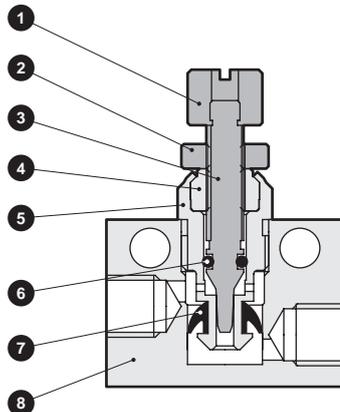
SC - M5 - A - FP1

A Port size

B Shape

Code	Description
A Port size	
M5	M 5 x 0.8
B Shape	
S	Straight
L	Elbow
F	Flat
A	Adjustable

Internal structure and parts list



Part No.	Part name	Material
1	Knob	Aluminum alloy
2	Lock nut	Aluminum alloy
3	Needle	Stainless steel
4	Needle guide	Aluminum alloy
5	Check bracket	Aluminum alloy
6	O-ring	Nitrile rubber
7	Packing	Hydrogenated nitrile rubber
8	Body	Aluminum alloy

Note: The material of the fine speed needle guide is stainless steel.

For dimensions, refer to the SC Series in "Pneumatic, Vacuum and Auxiliary components (CB-024SA)".