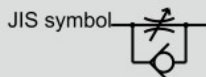




Speed controller Medium bore size

SC1 Series

● Port size: Rc1/8 to Rc1/2



Specifications

Item	SC1-6	SC1-8	SC1-10	SC1-15
Working fluid	Compressed air			
Max. working pressure MPa	1.0 (≈150 psi, 10 bar)			
Min. working pressure MPa	0.05 (≈7.3 psi, 0.5 bar)			
Proof pressure MPa	1.5 (≈220 psi, 15 bar)			
Fluid temperature °C	5 (41°F) to 60 (140°F) (no freezing *2) (5°C (41°F) to 120°C (248°F) for heat-resistant/ozone-proof specifications)			
Ambient temperature °C	0 (32°F) to 60 (140°F) (no freezing) (5°C (41°F) to 120°C (248°F) for heat-resistant/ozone-proof specifications)			
Port size Rc	1/8	1/4	3/8	1/2
Weight g	100	95	205	195
Cylinder bore size mm	ø20 to ø50	ø32 to ø75	ø50 to ø140	ø80 to ø160
Dial value (needle position)	10	10	10	10
Free flow	Flow rate l/min(ANR)	730	930	2600
	Eff. X-sectional area mm ²	11	14	39
Controlled flow	Flow rate l/min(ANR)	530	870	1500
	Eff. X-sectional area mm ²	8	13	22

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

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

How to order

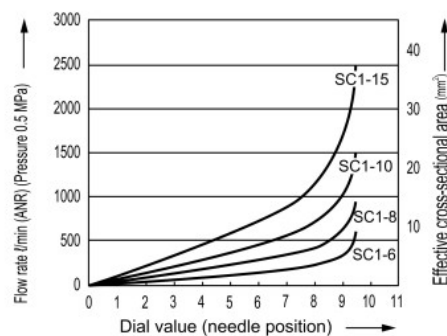
SC1 - 6 - X1

A Port size

B Option

Code	Description
A Port size	
6	Rc1/8
8	Rc1/4
10	Rc3/8
15	Rc1/2
B Option 1	
Blank	No option
X1	Heat resistance (120°C or less)/ ozone-proof specifications
P6	Copper and PTFE free specifications

Flow characteristics



Clean-room specifications

(Catalog No. CB-033SA)

● Anti-dust generation structure for use in cleanrooms

SC1- - P7*