

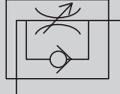


PP (polypropylene resin) type Speed controller, elbow

SC3F-P4 Series

- For air drive Component
- Port size M3, M5, R1/8 to R1/2

JIS symbol



P4
Series

Pneumatic cylinders
Hand/Chuck
Produced
Cylinder
Switch

Vacuum components
Pneumatic valves

Clean air components
Speed controller

Fitting
Auxiliary valve
Silencer
Tube

Gas generator
Fluid control components

Motor specification
Motorless specifications
Electric actuator

Specifications

Model No. Item	SC3F-P4																																													
	SC3F-M3			SC3F-M5			SC3F-6			SC3F-8			SC3F-10			SC3F-15																														
Compatible tube O.D.	mm			ø4	ø4	ø6	ø4	ø6	ø8	ø6	ø8	ø10	ø6	ø8	ø10	ø12	ø10	ø12																												
Working fluid	Air																																													
Max. working pressure	MPa															1.0 (*1)		0.9 (*1)																												
Min. working pressure	MPa																		0.1																											
Guaranteed proof pressure	MPa															1.5 (*2)			1.35 (*2)																											
Operating ambient temperature range	°C																		0 to 60 (no freezing) (*3)																											
Port size	Rc			M3			M5			R 1/8			R 1/4			R 3/8			R 1/2																											
Product weight	g			7.8			7			8			18			19			22			38			41			44			67			69			71			74			106		109	
Dial value (needle position)	7 or more						12 or more						13 or more																																	

*1: The max. working pressure is the value at 20°C. When using in other temperature ranges, refer to the "Relation of operating ambient temperature and max. working pressure" in the single unit catalog.

*2: The proof pressure is the value at 20°C. The proof pressure is 1.5 times the maximum working pressure.

*3: Freezing may occur by adiabatic expansion depending on the air quality (dew point).

Flow rate and effective cross-sectional area

Model No. Item	SC3F-P4																													
	SC3F-M3			SC3F-M5			SC3F-6			SC3F-8			SC3F-10			SC3F-15														
Compatible tube O.D.	mm			ø4	ø4	ø6	ø4	ø6	ø8	ø6	ø8	ø10	ø6	ø8	ø10	ø12	ø10	ø12												
Free flow	Flow rate	l/min (ANR)		40			55			200			230			390			400			600			800		840		1380	
	Effective cross-sectional area	mm ²		0.6			0.8			3			3.4			5.8			5.9			8.8			12		12.4		20.5	
Controlled flow	Flow rate	l/min (ANR)		65			70			150			270			550			850			920			1450		1600			
	Effective cross-sectional area	mm ²		0.95			1			2.2			4			8			12.5			13.5			21.5		23.5			

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

*2: The effective cross-sectional area lists the value converted from the flow rate.

How to order

SC3F - 8 - 8 - I - P4

Model No.

A Piping size

B Compatible tube O.D.

C Option

Code	Description
A Piping size	
M3	M3 x 0.5
M5	M5 x 0.8
6	R 1/8
8	R 1/4
10	R 3/8
15	R 1/2

		Piping size					
		M3	M5	6	8	10	15
4	ø4	●	●	●			
6	ø6		●	●	●	●	
8	ø8			●	●	●	
10	ø10				●	●	●
12	ø12					●	●

C Control method	
Blank	Meter-out control
I	Meter-in control (made to order)

indicates not available.

Control method

	Meter-out control	Meter-in control
JIS symbol		
	Male thread side	Male thread side