



Speed controller, elbow with push-in fitting

# SC3W Series

● Port size: M3, M5, R1/8 to R1/2

JIS symbol



(Meter-out)



(Meter-in)



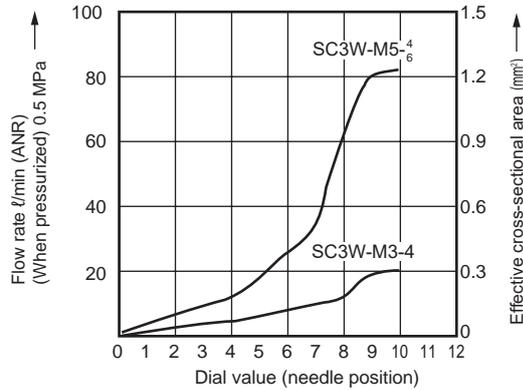
## Specifications

Item	SC3W																																	
	SC3W-M3		SC3W-M5		SC3W-6			SC3W-8			SC3W-10			SC3W-15																				
Compatible tube O.D.mm	ø4		ø4		ø6		ø4			ø6			ø8		ø10		ø12																	
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 *3)																																	
Ambient temperature °C	0 to 60 (no freezing)																																	
Port size	M3		M5		R 1/8			R 1/4			R 3/8			R 1/2																				
Weight g	5.7		8.8		9.6		25			26			27			50		51		54		63.7			75		78		81		134		138	
Dial value (needle position)(times)	10 (14) or more		10 (16) or more		10 (15) or more			13 or more			13 or more			14 or more																				
Free flow	Flow rate ℓ/min (ANR)	27 (20)		87 (80)		210 (210)			270 (270)			270			470			500			530			650		1000		1100		1500		1600		
	Effective cross-sectional area mm <sup>2</sup>	0.4 (0.3)		1.3 (1.2)		3.2 (3.2)			4.0 (4.0)			4.0			7			7.5			8			10		15		16		22		24		
Controlled flow	Flow rate ℓ/min (ANR)	20 (5.9)		80 (6.7)		190 (13)			240 (13)			240			430			470			470			650		930		1000		1500		1600		
	Effective cross-sectional area mm <sup>2</sup>	0.3 (0.08)		1.2 (0.1)		2.8 (0.2)			3.6 (0.2)			3.6			6.5			7			7.0			10		14		15		22		24		

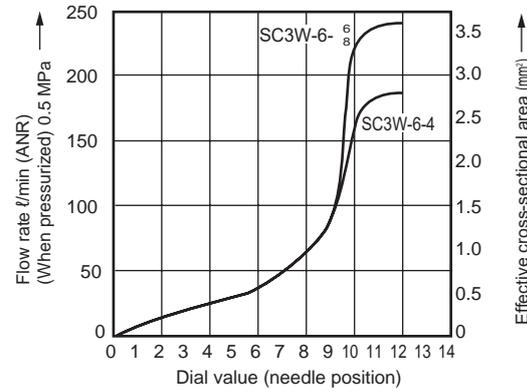
\*1: Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.  
 \*2: Values in ( ) indicate low speed.  
 \*3: Freezing may occur due to adiabatic expansion depending on the air quality (dew point).

## Flow characteristics

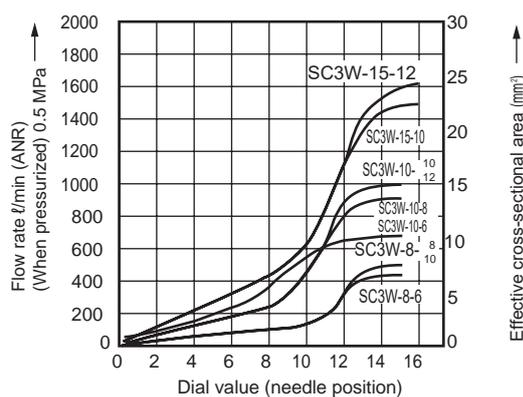
● Standard (port size M3, M5)



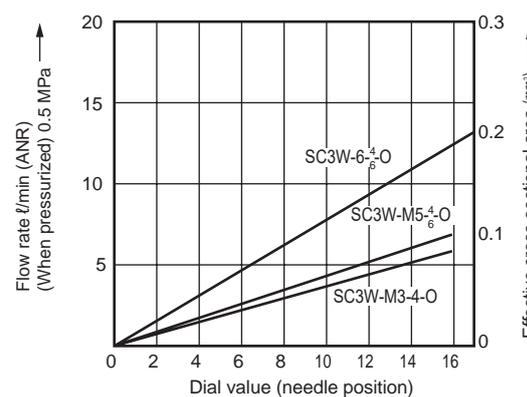
● Standard (port size 6)



● Standard (port size 8, 10, 15)



● Low speed



### Compatibility table by variation

	SC3W
Port size	M3, M5, R1/8, 1/4, 3/8, 1/2
P4	●

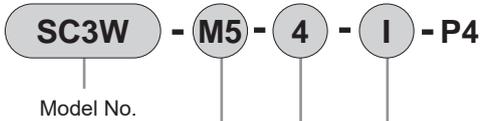
●: Applicable models ○: Semi-applicable models ▲: Contact CKD for details. □: Not applicable

\*1: The Dimensions of pipe size M5 product is different from the standard SC3W.

\*2: Compatible tube O.D. 3 (ø3, 2) is not available.

\*3: Option is meter-in only.

### How to order



A Port size

B Compatible tube O.D.

C Option

Code	Description	
<b>A Port size</b>		
M3	M3 x 0.5	
M5	M5 x 0.8	
6	R1/8	
8	R1/4	
10	R3/8	
15	R1/2	
<b>B Compatible tube O.D.</b>		
		Piping size
		M3 M5 6 8 10 15
4	ø4	● ● ● □ □ □
6	ø6	□ ● ● ● ● □
8	ø8	□ □ ● ● ● □
10	ø10	□ □ □ ● ● ●
12	ø12	□ □ □ □ ● ●
<b>C Option</b>		
Blank	Meter-out	
I	Meter-in (Push ring color: black)	

□ indicates not available.

P4 Series

Pneumatic cylinders  
Hand/Chuck  
Related products  
Pneumatic actuator  
Cylinder Switch

Vacuum components

Pneumatic valves

Clean air components  
Speed controller

Pneumatic auxiliary components  
Fitting  
Auxiliary valve

Silencer  
Tube

Gas generator  
Fluid control components

Electric actuator

Motor specification  
Motorless specifications