

Speed controller, elbow with push-in fitting

SC3W Series

● Port size: M3, M5, R1/8 to R1/2

JIS symbol



Specifications

Item	SC3W																		
	SC3W-M3		SC3W-M5			SC3W-6			SC3W-8			SC3W-10				SC3W-15			
Compatible tube O.D. mm	ø3.2	ø4	ø3.2	ø4	ø6	ø4	ø6	ø8	ø6	ø8	ø10	ø6	ø8	ø10	ø12	ø10	ø12		
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. *3)																		
Ambient temperature °C	0 (32°F) to 60 (140°F) (no freezing)																		
Port size	M3		M5			R1/8			R1/4			R3/8				R1/2			
Weight g	4.9	5.7	7.9	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	
	Eff. X-sectional area mm ²	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	
	Eff. X-sectional area mm ²	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	

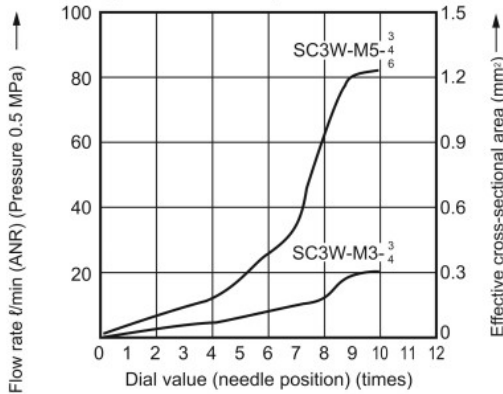
*1: Flow rate is the atmospheric pressure conversion value at pressure 0.5 MPa.

*2: Values in () indicate low speed.

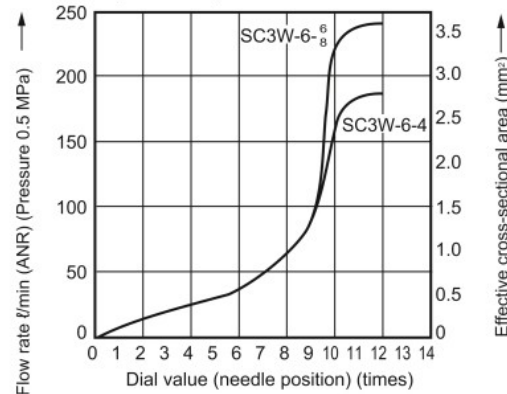
*3: Freezing may occur due to adiabatic expansion depending on the air quality (dew point).

Flow characteristics

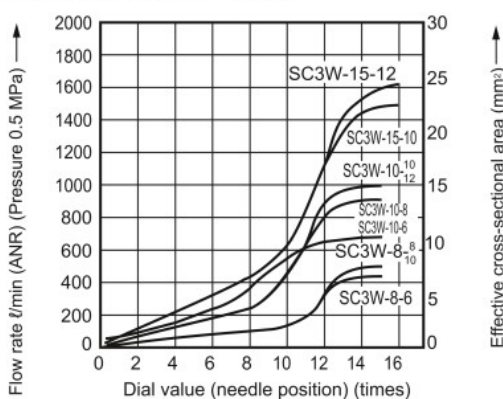
● Standard (port size M3, M5)



● Standard (port size 6)



● Standard (port size 8, 10, 15)



● Low speed

