



Speed controller/
universal with push-in fitting

SC3U Series

● Port size: M3, M5, R1/8 to R1/2

JIS symbol



(Meter-out)



(Meter-in)



Features

- The piping direction can be set at any angle on the universal.
- Flame-resistant resin used
Flame-resistant PBT (UL94 Standards V-0 or equivalent) used as standard.
- The port threads are coated with fluorine-based resin sealant.

Specifications

Item	SC3U-M3		SC3U-M5			SC3U-6			SC3U-8			SC3U-10			SC3U-15			
	ø3.2	ø4	ø3.2	ø4	ø6	ø4	ø6	ø8	ø6	ø8	ø10	ø8	ø10	ø12	ø10	ø12		
Compatible tube O.D.mm																		
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	6.3	7.2	10	11	12	24	26	27	52	54	57	83	85	87	140	143		
Dial value (needle position)	10 (14) or more		10 (16) or more			10 (15) or more			10 or more			13 or more			13 or more		14 or more	
Free flow	Flow rate ℓ/min(ANR)	31 (24)	95 (95)		105 (95)	215 (215)	270 (245)	270	475	510	540	985	1090		1500	1630		
	Effective cross-sectional area mm ²	0.45 (0.35)	1.4 (1.4)		1.6 (1.4)	3.2 (3.2)	4 (3.7)	4	7	7.5	8	14.5	16		22	24		
Controlled flow	Flow rate ℓ/min(ANR)	34 (5.4)	95 (9.5)			190 (17)	260 (17)	260	440	475		950	1150	1220	1500	1630		
	Effective cross-sectional area mm ²	0.5 (0.08)	1.4 (0.14)			2.8 (0.25)	3.8 (0.25)	3.8	6.5	7		14	17	18	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).

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacFR
Clean FR
ElecPneR
AirBoost
Speed Ctrl
Silncr
CheckV/other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRiSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending