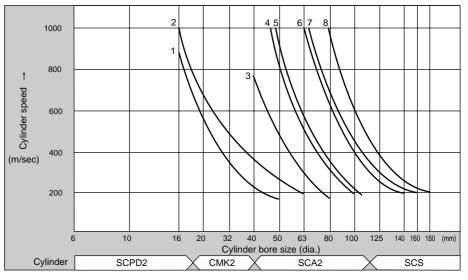
3KA/4KA/4KB Series

Technical data 1) Pneumatic components selection guide

Average speed of air cylinder is found according to combination of 4KAB series and piping system.

E.g: When operating SCA2-63 with 500mm/sec speed, select components in system "4". For clean air system, select components whose required air capacity is more than 520ℓ/min. in system "4".



Standard system table

System No.	Valve	Flow control valve	Silencer	Pipe (1m)	Composite effective sectional area (mm ²)	Required flow (ℓ/min)
1	4KA1 ¹ ₂ 0-M5	SC-M5-S	SL-M5	4 dia. X 2.5 dia.	1.6	115
2	4KB1 ¹ ₂ 0-06	SC1-6	SLW-6S	6 dia. X 4 dia.	3.2	215
3	4KA2 ¹ ₂ 0-06	SC1-6	SLW-6S	6 dia. X 4 dia.	4.8	346
4	4KB2 ¹ ₂ 0-08	SC1-8	SLW-8S	8 dia. X 5.7 dia.	8	581
5	4KA3 ¹ ₂ 0-08	SC1-8	SLW-8S	8 dia. X 5.7 dia.	9.1	660
6	4KB3 ¹ ₂ 0-10	SC1-10	SLW-10L	10 dia. X 7.2 dia.	16.5	1285
7	4KA4 ¹ ₂ 0-10	SC1-10	SLW-10L	10 dia. X 7.2 dia.	19	1289
8	4KB4 ¹ ₂ 0-15	SC1-15	SLW-15A	12 dia. X 8.9 dia.	25.8	1749

• Note: Required flow pressure is estimated when 0.5MPa.

Clean air system components

Parts name	Model No.	Port size	Max. flow rate <i>l</i> /min (ANR)	
F/R/L combination	C1000-6	Rc ¹ /8	450	
	C1000-8	Rc ¹ /4	630	
	C3000-8	Rc ¹ /4	1280	
	C3000-10	Rc ³ /8	1750	
	C4000-8	Rc ¹ /4	1430	
	C4000-10	Rc ³ /8	2400	
Γ <u></u>	C4000-15	Rc ¹ /2	3000	
Ъ	C8000-20	Rc ³ /4	7000	
	C8000-25(-A32)	Rc1 (Rc1 ¹ / ₄)	7500	
	W1000-6	Rc ¹ /8	830	
	W1000-8	Rc ¹ /4	1150	
	W3000-8	Rc ¹ /4	2150	
F/R Unit	W3000-10	Rc ³ /8	2430	
2 C	W4000-8	Rc ¹ /4	2500	
F/F	W4000-10	Rc ³ /8	4350	
	W4000-15(-A20)	Rc ¹ / ₂ , Rc ³ / ₄	4750	
	W8000-20	Rc ³ /4	10000	
	W8000-25(-A32)	Rc1 (Rc1 1/4)	10000	
	F1000-6	Rc ¹ /8	460	
	F1000-8	Rc ¹ /4	610	
Â	F3000-8	Rc ¹ /4	1230	
Air filter (F)	F3000-10	Rc ³ /8	1500	
ilte	F4000-8	Rc ¹ /4	1320	
lir f	F4000-10	Rc ³ /8	2140	
4	F4000-15(-A20)	Rc ¹ / ₂ (Rc ³ / ₄)	3000	
	F8000-20	Rc ³ /4	6400	
	F8000-25(-A32)	Rc1 (Rc1 1/4)	6800	

Parts name	Model No.	Port size	Max. flow rate <i>l</i> /min (ANR)
Regulator (R)	R1000-6	Rc ¹ /8	770
	R1000-8	Rc ¹ /4	1350
	R3000-8	Rc ¹ /4	2000
	R3000-10	Rc ³ /8	2600
	R4000-8	Rc ¹ /4	2500
gul	R4000-10	Rc ³ /8	4400
Re	R4000-15	Rc ¹ / ₂ (Rc ³ / ₄)	5000
	R8000-20	Rc ³ /4	14000
	R8000-25(-A32)	Rc1 (Rc1 ¹ /4)	11000
	L1000-6	Rc ¹ /8	550
	L1000-8	Rc ¹ /4	700
(L)	L3000-8	Rc ¹ /4	1100
ŗ	L3000-10	Rc ³ /8	2250
cat	L4000-8	Rc ¹ /4	1000
Lubricator (L)	L4000-10	Rc ³ /8	1700
	L4000-15(-A20)	Rc ¹ / ₂ (Rc ³ / ₄)	2700
	L8000-20	Rc ³ /4	6300
	L8000-25(-A32)	Rc1 (Rc1 ¹ / ₄)	10000

(Note)

Max. flow rate: For FRL, FR and R, at primary pressure 0.7MPa, set pressure 0.5MPa and pressure drop 0.1MPa. For F, at primary pressure 0.7MPa and pressure drop 0.02MPa. For L, at primary pressure 0.5MPa and pressure drop 0.03MPa.

3KA/4KA/4KB Series

Technical data 2) How to wire terminal box/connector

