Standard cylinder(Profile)

SUF Series(With valve type)







Symbol





SUF Product feature

- 1.For Standard Cylinders:use 4M210 valve for bore size 32, 40 & 50; 4M310 valve for bore size 63,80 & 100mm.
- 2.Individually control, no need for extra solenoid valves.
- ${\it 3.} In stall at ion time \, \& \, space \, saving; \, suitable \, for \, decentralize \, in stall at ion \, in \, large \,$
- 4. Options of mounting accessories & easy installation.

Stroke

Bore	size(mm)	Standard stroke (mm)	Mini. stroke	Max. std stroke	Max. stroke
32	Standard type	50 75 80 100 125 150 160 175 200 250 300 350 400 450 500	50	1000	2000
32	With TC type	100 125 150 160 175 200 250 300 350 400 450 500	100	1000	2000
40	Standard type	1200 250 300 350 400 450 500		4000	0000
50	With TC type	100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	100	1200	2000
63	Standard type	75 80 100 125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	75	4500	0000
100	With TC type	125 150 160 175 200 250 300 350 400 450 500 600 700 800 900 1000	125	1500	2000

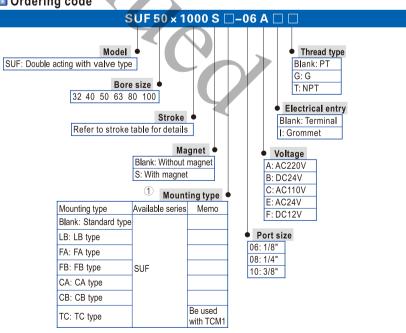
Note) Consult us for non-standard stroke.

Specification

- opcomounon		Cylinder s	pecification								
Bore size(mm)	32	40	50	63	80	100					
Acting type		Double acting									
Fluid		Air(to	be filtered by	40 μ m filter ele	ement)						
Mounting type		Basic	FA FB CA	CB LB TC	TCM1						
Operating pressure		0.1	~1.0MPa(15~1	45psi)(1.0~10.	.0bar)						
Proof pressure			1.5MPa(21	5psi)(15bar)							
Temperature °C		-20~80									
Speed range mm/s		30~800									
Stroke tolerance		0~2	50 ^{+1.0} 251~1	000 ^{+1.5} 1001	~1500 ^{+2.0}						
Cushion type			Variable	cushion							
Adjustable cushionstroke			21		28	29					
Port size	1/8"		/4"	3	/8"	1/2"					
PU tube size(ODXID)		Ф8	× Ф5		Ф10:	< Ф6.5					
			ve specificatio								
Model	4M2	10-06 & 4M2			10-08 & 4M31	0-10					
Fluid		Air(to	be filtered by 4		ement)						
Acting type				piloted							
Port size 1		=Exhaust=1/8		In=Exhaust=1/4" &							
7 111 122 0	In=1/4" Exhaust=1/8" In=PT3/8 Exhaust=1/4"										
Orifice size		4M210-06: 14.0mm²(Cv=0.78)									
Valve type			5 port 2	position							
Operating pressure			0.15~0.8MP	a(21~114psi)							
Proof pressure			1.5MPa	(215psi)							
Temperature °C			-20	~70							
Body material			Aluminu	ım alloy							
Lubrication ②			Not re	quined							
Max. frequency ③		5 cycle/sec			4 cycle/sec						
		Coil spe	cification								
Standard voltage			AC110V AC								
Scope voltage		AC: ±15% DC: ±10%									
Power consumption				DC: 3.0W							
Protection				N40050)							
Temperature classification				lass							
Electrical entry				Grommet							
Activating time		0.05 sec and below									

- 1) PT thread, G thread and NPT thread are available.
- ② It cann't stop in the midway of jubricating. Lubricants like ISO VG32 or equivalent are recommended.
 ③ The maximum actuation frequency is in the no-load state.
 Add) Refer to P457~480 for detail of sensor switch.

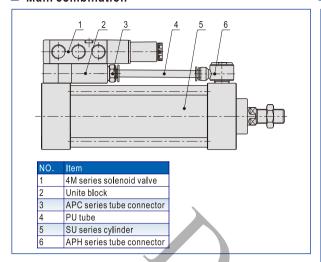
Ordering code



1) Please refer to page 209~212 for accessory parts.

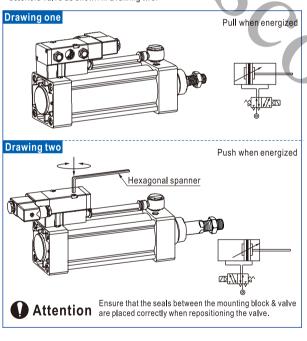
SUF Series(With valve type)

Main combination

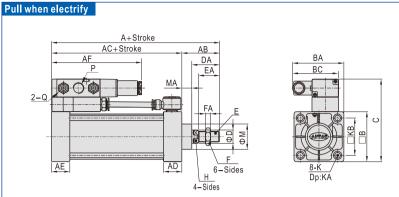


How to use

- 1. Options for piston rod to retract or extend when solenoid coil is energized.
- 2. Default factory setting will be piston rod to retract when energized (see Drawing one). Should you require piston rod to extend when energized, reposition the solenoid valve as shown in Drawing two.



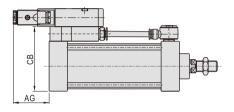
Dimensions

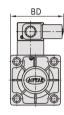




SUF

Push when electrify





Bore size\Item	Α	AB	AC	AD	AE	AF	AG	В	ВА	ВС	BD
32	140	47	93	27.5	27.5	118	53	45	67	67	77
40	142	49	93	27.5	27.5	118	53	50	68.5	67	80.5
50	150	57	93	27.5	27.5	120	51	62	72	67	89
63	153	57	96	27.5	27.5	135.5	54.5	75	77.5	69.5	96.5
80	182	75	107	33	33	137	53	94	86.5	69.5	106.5
100	188	75	113	33	33	135.5	54.5	112	96	69.5	115

Bore size\Item	C	СВ	D	DA	Е	EA	F	FA	Н	M	MA
32	89	67	12	32	M10X1.25	22	17	6	10	28	15
40	94	72	16	34	M12X1.25	24	17	7	14	32	15
50	106	84	20	42	M16X1.5	32	23	8	17	38	15
63	124	97	20	42	M16X1.5	32	23	8	17	38	15
80	143	116	25	54	M20X1.5	40	26	10	22	47	21
100	161	134	25	54	M20X1.5	40	26	10	22	47	21

Bore size\Item	Compatible valve's type	Р	Q	K	KA	KB
32	4M210-06	1/8"		M6X1(No TC)	9.5(No TC)	33
	4M210-08	1/4"	1/8"	M5X0.8(With TC)	10(With TC)	
40	4M210-06	1/8"	4 (0)	M6X1(No TC)	9.5(No TC)	37
	4M210-08	1/4"	1/8"	M5X0.8(With TC)	9(With TC)	
	4M210-06	1/8"	1.101	M6X1(No TC)	9.5(No TC)	47
50	4M210-08	1/4"	1/8"	M5X0.8(With TC)	9.5(With TC)	
	4M310-08	1/4"	4 / 4 11	M8X1.25(No TC)	9.5(No TC)	56
63	4M310-10	3/8"	1/4"	M6X1(With TC)	7.5(With TC)	
	4M310-08	1/4"	4 / 4 11	M10X1.5(No TC)	11.5(No TC)	
80	4M310-10	3/8"	1/4"	M8X1.25(With TC)	11(With TC)	70
100	4M310-08	1/4"	4/48	M10X1.5(No TC)	11.5(No TC)	0.4
	4M310-10	3/8"	1/4"	M8X1.25(With TC)	11(With TC)	84

Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.