

Accessories——Speed controllers(Stainless steel)


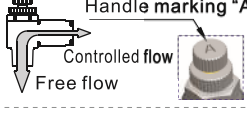

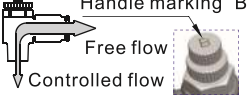


PSA, PSL, PSS series

Ordering code


PSL 6 01 A □ □ - S

① ② ③ ④ ⑤ ⑥ ⑥

① Model	② Port size	③ Thread connection		④ Control method		⑤ Standard color		⑥ Thread type	⑦ Material
PSL: Speed controller 	4: Φ4mm 6: Φ6mm 8: Φ8mm 10: Φ10mm 12: Φ12mm	Thread	Adaptable port size	A: Meter-out  Handle marking "A" Controlled flow Free flow		Standard color	Specification	Blank: PT	S: SUS304
		M5: M5X0.8	Φ4, Φ6			Blank: Gray	Release button: Gray Body: Gray		
PSS: Universal speed controller 	4: Φ4mm 6: Φ6mm 8: Φ8mm 10: Φ10mm 12: Φ12mm	01: 1/8"	Φ4, Φ6	B: Meter-in  Handle marking "B" Free flow Controlled flow		D: Black	Release button: Black Body: Black		
		02: 1/4" 03: 3/8" 04: 1/2"	Φ8, Φ10 Φ12						

PSA 6 □ - S

① ② ③

① Model	② Port size	③ Standard color		④ Material
PSA: Straight speed controller 	4: Φ4mm 6: Φ6mm 8: Φ8mm 10: Φ10mm 12: Φ12mm	Standard color	Specification	S: SUS304
		Blank: Gray	Release button: Gray Body: Gray	
		D: Black	Release button: Black Body: Black	

Product feature

1. Stainless steel 304 material can be used in prohibiting copper condition.
2. The silencer is small size, and light weight with small installation space.
3. Excellent flow characteristics, high sensitivity and easy to adjust.
4. The silencer brass body adopts a special nickel-plating process, which has good corrosion resistance and anti-pollution property.
5. Anti-drop structure is designed on the regulating rod.
6. The sealant being coated on threaded portion can ensure no leakage of the threaded connection part.
7. The inserting direction of universal speed controller can be adjusted in 360°.

Specification

Operating pressure range	0~10kgf/cm ² (0~1.0MPa)
Negative pressure	-750mmHg(10Torr)
Proof pressure	1.5MPa
Ambient and fluid temperature (°C)	-20~70
Applicable tubing	Soft nylon or polyurethane
Color	Grey/black

Symbol

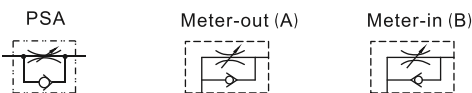
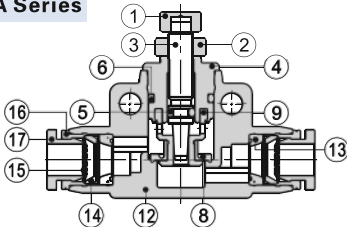


Table for interface port and tube O.D.

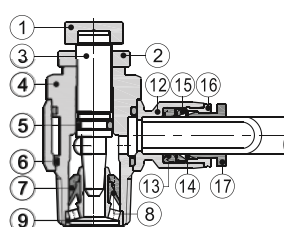
Product series	Thread type	Port size				
		Φ4	Φ6	Φ8	Φ10	Φ12
PSA	-	●	●	●	●	●
	M5	●	●	●	●	●
PSL	1/8"	●	●	●	●	●
	3/8"	●	●	●	●	●
	1/2"	●	●	●	●	●
PSS	M5	●	●	●	●	●
	1/8"	●	●	●	●	●
	1/4"	●	●	●	●	●
	3/8"	●	●	●	●	●
	1/2"	●	●	●	●	●

Inner structure

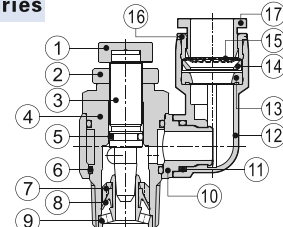
PSA Series



PSL Series



PSS Series



NO.	Name	Material	NO.	Name	Material	NO.	Name	Material
1	Adjusting cap	Aluminum alloy	7	Holder	PBT	13	O-ring	NBR
2	Locking cap	Aluminum alloy	8	O-ring	NBR	14	Locating seat	POM
3	Throttling column	SUS304	9	Throttling sleeve	SUS304	15	Spring gasket	Stainless steel
4	Throttling body	Aluminum alloy/SUS304	10	Plastic body	PBT	16	Locating ring	Aluminum alloy
5	O-ring	NBR	11	O-ring	NBR	17	Plastic interface	POM
6	O-ring	NBR	12	Plastic body	PBT			



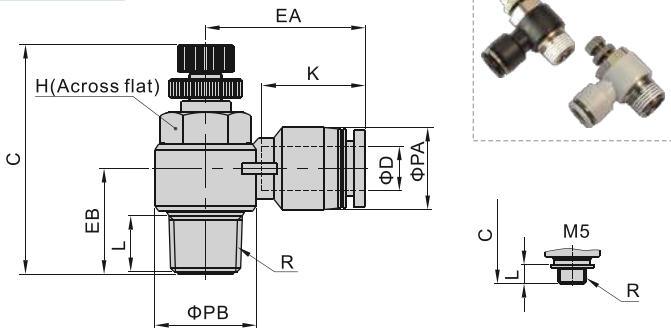
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Dimensions

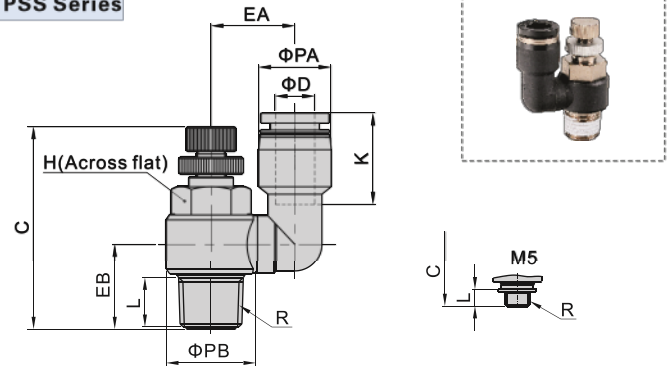
PSL Series



Model\Item [Note1]	ΦD	R	ΦPA	ΦPB	L	C		K	EA	EB	H	Weight (g)
						max	min					
PSL4M5□	4	M5×0.8	9	10	3.5	30	27.5	14	19	9.5	8	6
PSL401□		1/8"	9	14	7.5	41.5	35	14	20.5	15	11	15.5
PSL6M5□	6	M5×0.8	12.5	10	3.5	30	27.5	16.5	23.5	11.5	8	7.5
PSL601□		1/8"	12.5	14	7.5	41.5	35	16.5	23	15.5	11	16.5
PSL602□	6	1/4"	12.5	18	10	47.5	41	16.5	25	18	14	30
PSL603□		3/8"	12.5	22.5	11	52.5	45.5	16.5	27	20	19	55
PSL801□	8	1/8"	15	14	7.5	41.5	35	18.5	26.5	16.5	11	17
PSL802□		1/4"	15	18	10	47.5	41	18.5	28.5	19	14	31
PSL803□	8	3/8"	15	22.5	11	52.5	45.5	18.5	29.5	20	19	55.5
PSL804□		1/2"	15	28	14	58.5	51.5	18.5	32	25	24	89
PSL1002□	10	1/4"	18	18	10	47.5	41	21	31	20.5	14	32.5
PSL1003□		3/8"	18	22.5	11	52.5	45.5	21	33	21.5	19	57.5
PSL1004□	10	1/2"	18	28	14	58.5	51.5	21	35.5	25.5	24	90.5
PSL1203□		3/8"	21	22.5	11	52.5	45.5	23	36	23.5	19	59.5
PSL1204□	12	1/2"	21	28	14	58.5	51.5	23	38	27	24	92.5

[Note1] "□" stands for A or B. A indicates meter-out type while B indicates meter-in type. The two types are with the same overall dimension.

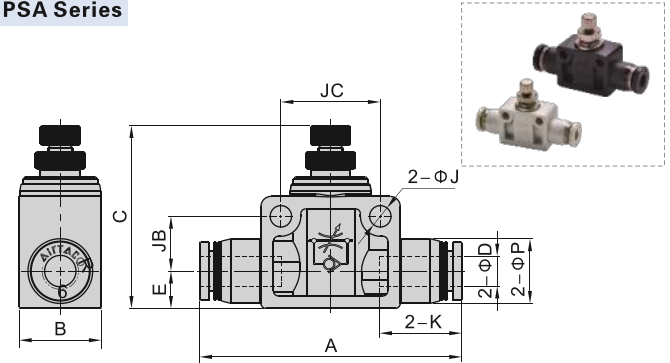
PSS Series



Model\Item [Note1]	ΦD	R	ΦPA	ΦPB	L	C		K	EA	EB	H	Weight (g)
						max	min					
PSS4M5□	4	M5×0.8	9	10	3.5	30	27.5	14	12.5	9.5	8	7.5
PSS601□	6	1/8"	12.5	14	7.5	41.5	35	17	17	15	11	18
PSS602□		1/4"	12.5	18	10	47.5	41	17	19	17.5	14	32.5
PSS801□	8	1/8"	15	14	7.5	41.5	35	18.5	17	15	11	19
PSS802□		1/4"	15	18	10	47.5	41	18.5	19	17.5	14	37.5
PSS1002□	10	1/4"	18	18	10	47.5	41	21	20.5	17.5	14	35
PSS1003□		3/8"	18	22.5	11	52.5	45.5	21	24	20	19	61.5
PSS1203□	12	3/8"	21	22.5	11	52.5	45.5	23	25.5	20	19	65
PSS1204□		1/2"	21	28	14	58.5	51.5	23	28	25	24	98.5

[Note1] "□" stands for A or B. A indicates meter-out type while B indicates meter-in type. The two types are with the same overall dimension.

PSA Series



Model\Item	ΦD	A	B	C		ΦP	E	K	ΦJ	JB	JC	Weight (g)
				max	min							
PSA4	4	41	11	29	26.5	9.5	7	14	3.2	6	14	7.5
PSA6	6	52.5	16.5	43.5	36.5	13	7.5	16.5	4.3	11	20	18
PSA8	8	59.5	16.5	47	40	15	8.5	18.5	4.3	11	22	23
PSA10	10	69	21	53.5	46.5	18	10.5	21	4.3	14.5	26	41.5
PSA12	12	78.5	26	58.5	51	21.5	12	23	4.3	17.5	32	66



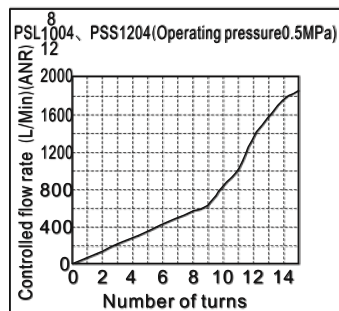
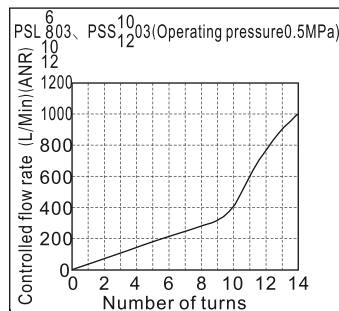
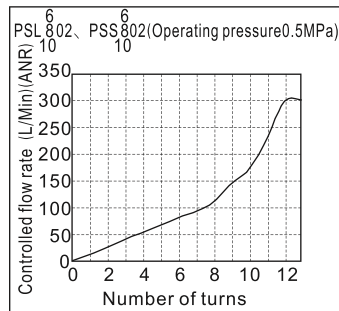
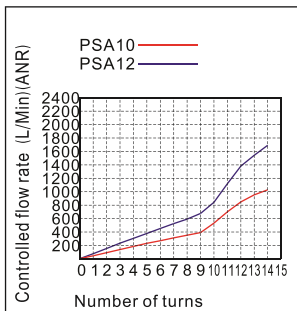
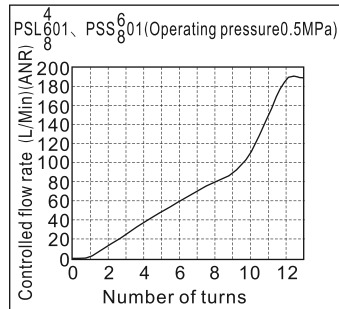
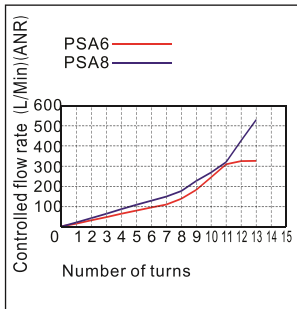
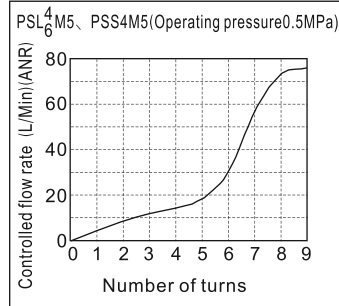
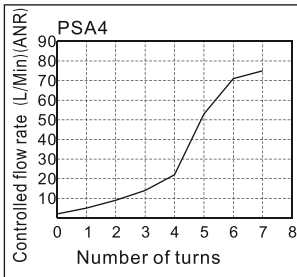
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PSA, PSL, PSS series

Flowrate characteristic

Controlled flow rate



Free flow rate

