

Accessories—One-Touch Fittings(Stainless steel)





PC, POC series

Ordering code

PC 6 01 □ □ - S

① ② ③ ④ ⑤ ⑥

① Model	② Port size	③ Thread connection	④ Standard color	⑤ Thread type	⑥ Material
PC: Male connector 	4 : Φ4mm 6 : Φ6mm 8 : Φ8mm	Thread connection: M5 : M5X0,8 Adaptable port size: Φ4, Φ6	Standard color: Blank: Gray Specification: Release button: Gray	Blank: PT	S: Stainless steel 304
POC: Male connector 	10 : Φ10mm 12 : Φ124mm	01 : 1/8" 02 : 1/4" 03 : 3/8" 04 : 1/2" Φ4, Φ6 Φ8, Φ10 Φ12	D: Black Release button: Black		

Specification

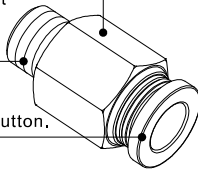
Operating pressure range	0~10kgf/cm ² (0~1.0MPa)
Negative pressure	-750mmHg(10Torr)
Proof pressure	1.5MPa
Ambient and fluid temperature (°C)	-20~70
Applicable tubing	Soft nylon or polyurethane
Color	Grey/black

Table for interface port and tube O.D.

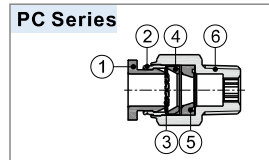
Product series	Thread type	Port size				
		Φ4	Φ6	Φ8	Φ10	Φ12
PC	M5	•	•			
	1/8"	•	•	•	•	•
	1/4"	•	•	•	•	•
	3/8"		•	•	•	•
	1/2"		•	•	•	•
POC	M5	•	•			
	1/8"	•	•	•	•	
	1/4"	•	•	•	•	•
	3/8"			•	•	•
	1/2"				•	•

Product feature

1. Body material is stainless steel, and all parts don't contain copper.
2. The threaded portion is covered with sealant and the M5 thread is attached with a sealing gasket to prevent air leakage over the connection thread portion.
3. Grey and black are optional for the release button.



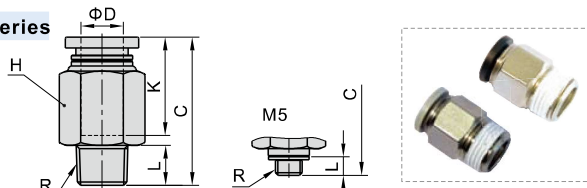
Inner structure



No.	Item	Material
1	Release button	POM
2	Guide	Aluminum alloy
3	Spring gasket	Stainless steel
4	Chuck	POM
5	O-ring	NBR
6	Body	Stainless steel 304

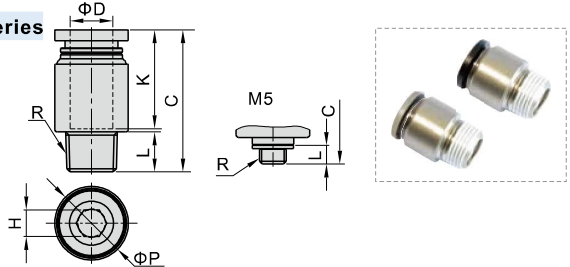
Dimensions

PC Series



Model/Item	ΦD	R	L	C	K	H(Across flat)	Weight(g)
PC4M5		M5×0.8	3.5	19.5	14	9	6
PC401	4	1/8"	7.5	19.5	14	10	6.5
PC402		1/4"	10	19.5	14	14	12.5
PC6M5		M5×0.8	3.5	22.5	16.5	12	8
PC601	6	1/8"	7.5	22.0	18.5	12	7
PC602		1/4"	10	24.5	18.5	14	14.5
PC603		3/8"	11	22.5	18.5	17	22
PC604		1/2"	14	26.0	18.5	21	42
PC801	8	1/8"	7.5	28	18.5	14	12.5
PC802		1/4"	10	27	18.5	14	12
PC803		3/8"	11	23.5	18.5	17	19.5
PC804		1/2"	14	27	18.5	21	40
PC1001	10	1/8"	7.5	30	21	17	19
PC1002		1/4"	10	32.5	21	17	22
PC1003		3/8"	11	28	21	17	19
PC1004		1/2"	14	26.5	21	21	33
PC1201	12	1/8"	7.5	32.5	23	21	35.5
PC1202		1/4"	10	35	23	21	37.5
PC1203		3/8"	11	30.5	23	21	26.5
PC1204		1/2"	14	32.5	23	21	38.5

POC Series



Model/Item	ΦD	R	ΦP	L	C	K	H(Across flat)	Weight(g)
POC4M5		M5×0.8	9	3.5	18.5	14	2.5	3.5
POC401	4	1/8"	10	7.5	18	14	3	5
POC402		1/4"	14	10	19.5	14	3	11.5
POC6M5		M5×0.8	12	3.5	21.5	16.5	2.5	5.5
POC601	6	1/8"	12	7.5	22.0	18.5	4	6
POC602		1/4"	14	10	22.0	18.5	4	11
POC801	8	1/8"	14	7.5	26.5	18	5	9
POC802		1/4"	14	10	25	18	6	9.5
POC803		3/8"	17	11	23.5	18	6	18
POC1001	10	1/8"	17	7.5	30	21	5	15.5
POC1002		1/4"	17	10	29	21	6	14.5
POC1003		3/8"	17	11	28	21	8	17.5
POC1004		1/2"	21	14	26.5	21	8	32.5
POC1202	12	1/4"	21	10	34.5	23	6	30
POC1203		3/8"	21	11	30	23	8	23
POC1204		1/2"	21	14	32	23	8	34.5



Accessories—One-Touch Fittings(Stainless steel)



One-touch fittings—threaded type

Ordering code

Same diameter type fittings

PL 6 01 □ □ - S

① ② ③ ④ ⑤ ⑥

① Model	② Port size	③ Thread connection	④ Standard color	⑤ Thread type	⑥ Material
PHW: Double universal male elbow 	PL: Male elbow 	Thread connection: M5: M5X0.8 Adaptable port size: $\Phi 4, \Phi 6$	Standard color: Blank: Gray Specification: Release button: Gray Adaptable model: PCF, PMF	Blank: PT	S: Stainless steel 304
PHF: Universal female elbow 	PLL: Extended male elbow 	M5: M5X0.8 $\Phi 4, \Phi 6$	Blank: Gray Release button: Gray Body: Gray		
PEB: Male branch tee 	PZB: Threaded cross 				
PED: Male run tee 	PH: Universal male elbow 	01: 1/8" 02: 1/4" 03: 3/8" 04: 1/2"	Release button: Black Body: Black		
PYB: Branch "Y" 					

Different diameter type fittings

PKD 6 - 4 01 □ □ - S

① ② ③ ④ ⑤ ⑥ ⑦

① Model	② Port size	③ Port size	④ Thread connection	⑤ Standard color	⑥ Thread type	⑦ Material
PKD: Male reducer triple branch 	6: $\Phi 6$ mm 8: $\Phi 8$ mm 10: $\Phi 10$ mm	4: $\Phi 4$ mm 6: $\Phi 6$ mm 8: $\Phi 8$ mm	01: 1/8" 02: 1/4" 03: 3/8"	Standard color: Blank: Gray D: Black Specification: Release button: Gray/Body: Gray Release button: Black/Body: Black	Blank: PT	S: Stainless steel 304

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

Product feature

1. Stainless steel 304 material can be used for forbidding copper condition.
2. Variable models can be widely used in every kind of pneumatic systems.
3. High circulation performance: bear the same flow with the volume of the tubing inside diameter.
4. Connect tubing easily and conveniently. The tubing connection portion is safe and durable.
5. The threaded portion is covered with sealant and the M5 thread is attached with a sealing gasket to prevent air leakage over the connection thread portion.

Inner structure

No.	Item	Material
1	Release button	POM
2	Guide	Aluminum alloy
3	Spring gasket	Stainless steel
4	Chuck	POM
5	O-ring	NBR
6	Body	PBT
7	O-ring	NBR
8	Stud	SUS304

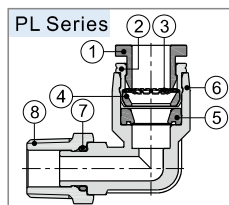


Table for interface port and tube O.D.

Product series	Thread type	Port size				
		$\Phi 4$	$\Phi 6$	$\Phi 8$	$\Phi 10$	$\Phi 12$
PL	M5	•	•			
	1/8"	•	•	•	•	•
	1/4"	•	•	•	•	•
	3/8"	•	•	•	•	•
PLL	1/2"		•	•	•	•
	M5	•	•			
	1/8"	•	•	•	•	•
	1/4"	•	•	•	•	•
PEB PED PYB	3/8"		•	•	•	•
	1/2"		•	•	•	•
	M5	•	•			
	1/8"	•	•	•	•	•
PH PHF	1/4"		•	•	•	
	3/8"		•	•	•	•
	1/2"		•	•	•	•
	1/8"	•	•	•	•	•
PHW	1/4"		•	•	•	
	3/8"		•	•	•	•
PZB	1/2"		•	•	•	•
	1/8"		•	•		
	3/8"		•	•	•	•
	1/2"		•	•	•	•

Product series	Thread type	Port size		
		$\Phi 6-\Phi 4$	$\Phi 8-\Phi 6$	$\Phi 10-\Phi 8$
PKD	1/8"	•		
	1/4"		•	
	3/8"			•



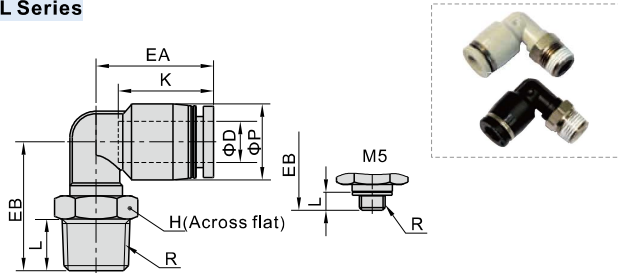
Accessories—One-Touch Fittings(Stainless steel)



One-touch fittings—threaded type

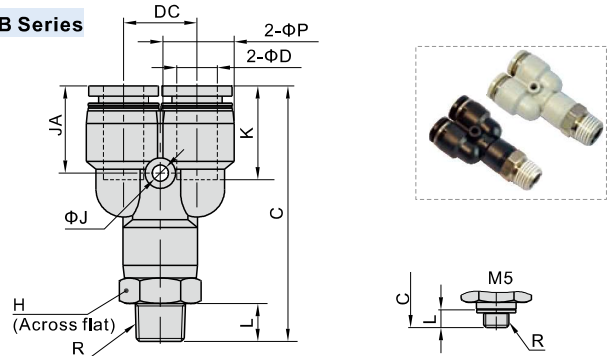
Dimensions

PL Series



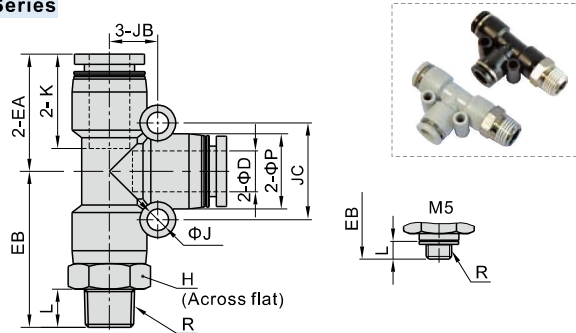
Model\Item	ΦD	R	ΦP	L	K	EA	EB	H	Weight(g)
PL4M5	4	M5×0.8	9	3.5	14	17	15	8	3
PL401		1/8"	9	7.5	14	17	18.5	10	4.5
PL402	6	1/4"	9	10	14	17	22.0	14	11
PL6M5		M5×0.8	12.5	3.5	17	20	17.0	8	4.5
PL601	6	1/8"	12.5	7.5	17	20	20.5	10	6
PL602		1/4"	12.5	10	17	20	24.0	14	12.5
PL603	8	3/8"	12.5	11	17	20	25.5	17	19
PL604		1/2"	12.5	14	17	20	30.0	21	33
PL801	8	1/8"	15	7.5	18.5	23	20.5	10	7
PL802		1/4"	15	10	18.5	23	25.0	14	12
PL803	10	3/8"	15	11	18.5	23	26.5	17	19.5
PL804		1/2"	15	14	18.5	23	31.0	21	33
PL1001	10	1/8"	18	7.5	21	25.5	25.0	17	15.5
PL1002		1/4"	18	10	21	25.5	27.0	17	18
PL1003	12	3/8"	18	11	21	25.5	28.0	17	20
PL1004		1/2"	18	14	21	25.5	32.5	21	34.5
PL1201	12	1/8"	21	7.5	23	28.5	26.5	17	18
PL1202		1/4"	21	10	23	28.5	28.5	17	20.5
PL1203	12	3/8"	21	11	23	29.5	33	17	24
PL1204		1/2"	21	14	23	29.5	34	21	34.5

PYB Series



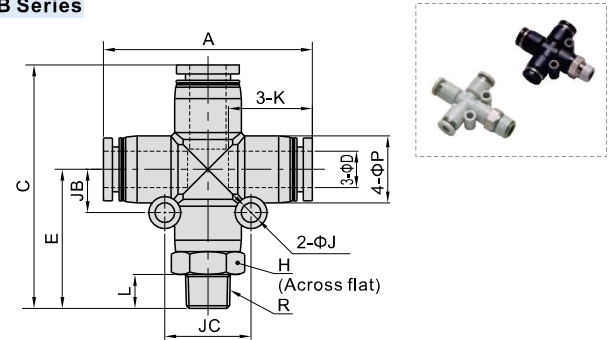
Model\Item	ΦD	R	ΦP	L	C	K	ΦJ	JA	DC	H	Weight(g)
PYB4M5	4	M5×0.8	9	3.5	35.5	14	3.2	13	10	9	6.5
PYB401		1/8"	9	7.5	39.5	14	3.2	13	10	10	8.5
PYB402	6	1/4"	9	10	42.5	14	3.2	13	10	14	10
PYB6M5		M5×0.8	12.5	3.5	40.5	16.5	3.2	15.5	12	12	10.5
PYB601	6	1/8"	12.5	7.5	44.5	16.5	3.2	15.5	12	12	13
PYB602		1/4"	12.5	10	47.5	16.5	3.2	15.5	12	14	17
PYB603	8	3/8"	12.5	11	49.0	16.5	3.2	15.5	12	17	23.5
PYB801		1/8"	15	7.5	50	18.5	3.2	17	14.5	14	19
PYB802	8	1/4"	15	10	52.5	18.5	3.2	17	14.5	14	21
PYB803		3/8"	15	11	54	18.5	3.2	17	14.5	17	26
PYB804	10	1/2"	15	14	58	18.5	3.2	17	14.5	21	38
PYB1001		1/8"	18	7.5	56.5	21	4.3	19.5	18	17	26
PYB1002	10	1/4"	18	10	59	21	4.3	19.5	18	17	28
PYB1003		3/8"	18	11	60	21	4.3	19.5	18	17	31
PYB1004	12	1/2"	18	14	64	21	4.3	19.5	18	21	42.5
PYB1202		1/4"	21	10	66	23	4.3	21	20.5	21	26.5
PYB1203	12	3/8"	21	11	67	23	4.3	21	20.5	21	49
PYB1204		1/2"	21	14	70	23	4.3	21	20.5	21	53.5

PED Series



Model\Item	ΦD	R	ΦP	L	K	EA	EB	ΦJ	JB	JC	H	Weight(g)
PED4M5	4	M5×0.8	9	3.5	14	17	21	3.2	6.5	13	9	6.5
PED401		1/8"	9	7.5	14	17	25	3.2	6.5	13	10	8.5
PED402	6	1/4"	9	10	14	17	28	3.2	6.5	13	14	14.5
PED6M5		M5×0.8	12.5	3.5	16.5	20	23.5	3.2	8	16	12	10.5
PED601	6	1/8"	12.5	7.5	16.5	20	27.5	3.2	8	16	12	13
PED602		1/4"	12.5	10	16.5	20	30.5	3.2	8	16	14	17.5
PED603	8	3/8"	12.5	11	16.5	20	32	3.2	8	16	17	23.5
PED801		1/8"	15	7.5	18.5	23	30.5	4.3	9.5	19	14	17.5
PED802	8	1/4"	15	10	18.5	23	33	4.3	9.5	19	14	20
PED803		3/8"	15	11	18.5	23	34.5	4.3	9.5	19	17	26.5
PED804	10	1/2"	15	14	18.5	23	38.5	4.3	9.5	19	21	38
PED1001		1/8"	18	7.5	21	26.5	34	4.3	11	22	17	25.5
PED1002	10	1/4"	18	10	21	26.5	36.5	4.3	11	22	17	27.5
PED1003		3/8"	18	11	21	26.5	37.5	4.3	11	22	17	30
PED1004	12	1/2"	18	14	21	26.5	41.5	4.3	11	22	21	42.5
PED1202		1/4"	21	10	23	30	41	4.3	13	26	21	47
PED1203	12	3/8"	21	11	23	30	42	4.3	13	26	21	48.5
PED1204		1/2"	21	14	23	30	45	4.3	13	26	21	54

PZB Series



Model\Item	ΦD	R	L	A	E	C	ΦP	K	ΦJ	JB	JC	H	Weight(g)
PZB601	6	1/8"	7.5		27.5	47.5						12	14.5
PZB602		1/4"	10	39.5	30.5	50.5	12.5	16.5	3.2	8	16	14	19.5
PZB603	8	3/8"	11		32	52						17	25.5
PZB801		1/8"	7.5		30.5	53.5						14	20
PZB802	8	1/4"	10	46	33	56	15	18.5	4.3	9.5	19	14	22.5
PZB803		3/8"	11		34.5	57.5						17	28
PZB804	10	1/2"	14		38.5	61.5					21	40.5	
PZB1002		1/4"	10		36.5	63						17	32
PZB1003	10	3/8"	11	52.5	37.5	64	18	21	4.3	11	22	17	35
PZB1004		1/2"	14		41.5	68						21	46.5
PZB1203	12	3/8"	11		42	72					21	53.5	
PZB1204		1/2"	14	59.5	45	75	21	23	4.3	13	26	21	62

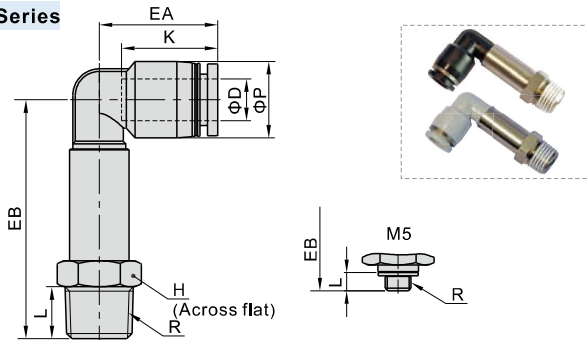


Accessories—One-Touch Fittings(Stainless steel)



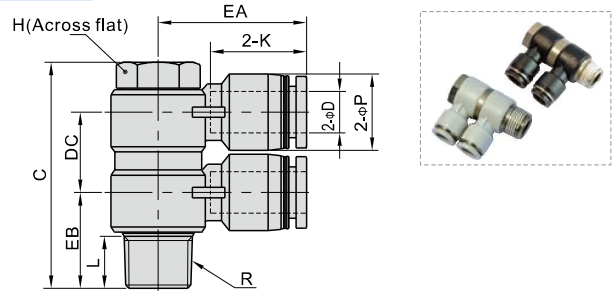
One-touch fittings—threaded type

PLL Series



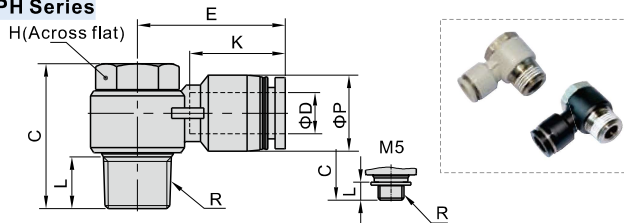
Model\Item	ΦD	R	ΦP	L	K	EA	EB	H	Weight(g)
PLL4M5		M5×0.8	9	3.5	14	17	32.5	8	8
PLL401	4	1/8"	9	7.5	14	17	35.5	10	11.5
PLL402		1/4"	9	10	14	17	38.5	14	15.5
PLL6M5		M5×0.8	12.5	3.5	17	20	34.5	8	9.5
PLL601	6	1/8"	12.5	7.5	17	20	37.5	10	12
PLL602		1/4"	12.5	10	17	20	40.5	14	16.5
PLL603		3/8"	12.5	11	17	20	43	17	21.5
PLL801	8	1/8"	15	7.5	18.5	23	43.5	12	15.5
PLL802		1/4"	15	10	18.5	23	45.5	14	21
PLL803		3/8"	15	11	18.5	23	48	17	25.5
PLL1001	10	1/8"	18	7.5	21	25.5	50.5	15	35
PLL1002		1/4"	18	10	21	25.5	53.5	15	37.5
PLL1003		3/8"	18	11	21	25.5	54.5	17	38
PLL1004		1/2"	18	14	21	25.5	59	21	44
PLL1202	12	1/4"	21	10	23	28.5	55.5	15	40
PLL1203		3/8"	21	11	23	29.5	60	17	51.5
PLL1204		1/2"	21	14	23	29.5	63	21	52.5

PHW Series



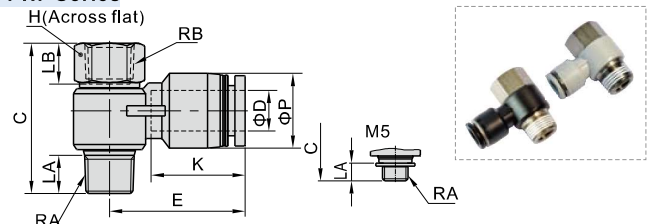
Model\Item	ΦD	R	ΦP	L	C	K	EA	EB	DC	H	Weight(g)
PHW401	4	1/8"	9	7.5	38	14	20.5	14.5	13	11	17.5
PHW601		1/8"	12.5	7.5	38	16.5	23.0	15	13	11	19.5
PHW602	6	1/4"	12.5	10	43.5	16.5	25.0	17.5	15.5	14	37.5
PHW603		3/8"	12.5	11	50	16.5	27.0	20	16.5	19	64
PHW801	8	1/8"	15	7.5	40.5	18.5	26.5	16.5	15.5	11	22.5
PHW802		1/4"	15	10	43.5	18.5	28.5	18.5	15.5	14	38
PHW803		3/8"	15	11	50	18.5	29.5	20	16.5	19	65
PHW804		1/2"	15	14	61	18.5	32	24.5	22	24	133.5
PHW1002	10	1/4"	18	10	46.5	21	31	20	18.5	14	44
PHW1003		3/8"	18	11	55	21	33	21	22	19	81.5
PHW1004		1/2"	18	14	61	21	35.5	25	22	24	127.5
PHW1203	12	3/8"	21	11	55	23	36	23	22	19	80.5
PHW1204		1/2"	21	14	61	23	38	26.5	22	24	137.5

PH Series



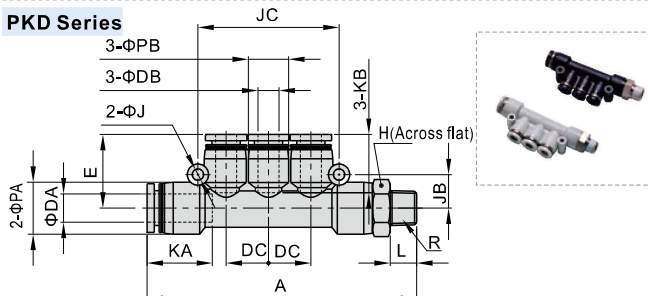
Model\Item	ΦD	R	ΦP	L	C	K	E	H	Weight(g)
PH4M5		M5×0.8	9	3.5	17	14	19	8	5.5
PH401	4	1/8"	9	7.5	25	14	20.5	11	12
PH6M5		M5×0.8	12.5	3.5	17	16.5	23.5	8	6.5
PH601	6	1/8"	12.5	7.5	25	16.5	23	11	13
PH602		1/4"	12.5	10	28	16.5	25	14	23.5
PH603		3/8"	12.5	11	33	16.5	27	19	46.5
PH801	8	1/8"	15	7.5	25	18.5	26.5	11	14
PH802		1/4"	15	10	28	18.5	28.5	14	24.5
PH803		3/8"	15	11	33	18.5	29.5	19	45.5
PH804		1/2"	15	14	39	18.5	32	24	82
PH1002	10	1/4"	18	10	28	21	31	14	26
PH1003		3/8"	18	11	33	21	33	19	47.5
PH1004		1/2"	18	14	39	21	35.5	24	81.5
PH1203	12	3/8"	21	11	33	23	36	19	49.5
PH1204		1/2"	21	14	39	23	38	24	86

PHF Series



Model\Item	ΦD	RA	RB	ΦP	LA	LB	C	K	E	H	Weight(g)
PHF4M5		M5×0.8	M5×0.8	9	3.5	6	20	14	19	8	6
PHF401	4	1/8"	1/8"	9	7.5	8	29.5	14	20.5	12	12
PHF6M5		M5×0.8	M5×0.8	12.5	3.5	6	20	16.5	23.5	8	7
PHF601	6	1/8"	1/8"	12.5	7.5	8	29.5	16.5	23	12	13
PHF602		1/4"	1/4"	12.5	10	11	35	16.5	25	17	28
PHF603		3/8"	3/8"	12.5	11	12	40	16.5	27	19	41
PHF801	8	1/8"	1/8"	15	7.5	8	29.5	18.5	26.5	12	14
PHF802		1/4"	1/4"	15	10	11	35	18.5	28.5	17	28.5
PHF803		3/8"	3/8"	15	11	12	40	18.5	29.5	19	41.5
PHF804		1/2"	1/2"	15	14	13.5	47.5	18.5	32	24	78
PHF1002	10	1/4"	1/4"	18	10	11	35	21	31	17	30
PHF1003		3/8"	3/8"	18	11	12	40	21	33	19	43
PHF1004		1/2"	1/2"	18	14	13.5	47.5	21	35.5	24	79.5
PHF1203	12	3/8"	3/8"	21	11	12	40	23	36	19	45
PHF1204		1/2"	1/2"	21	14	13.5	47.5	23	38	24	83

PKD Series



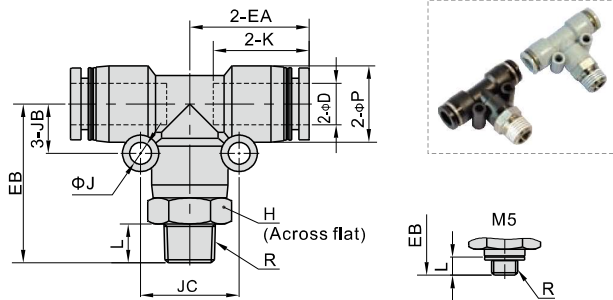
Model\Item	ΦDA	ΦDB	R	L	A	ΦPA	ΦPB	KA
PKD6-401	6	4	1/8"	7.5	66.5	12.5	9	16.5
PKD8-602	8	6	1/4"	10	79	15	12.5	18.5
PKD10-803	10	8	3/8"	11	91.5	18	15	21

Model\Item	KB	ΦJ	JB	JC	DC	E	H	Weight(g)
PKD6-401	14	3.2	8	34	10	17.5	12	15
PKD8-602	16.5	3.2	9.5	40	12	21	14	25.5
PKD10-803	18.5	4.3	11	48	14.5	24	17	36.5

Accessories—One-Touch Fittings(Stainless steel)

One-touch fittings—threaded type

PEB Series



Model/Item	φD	R	φP	L	K	EA	EB	φJ	JB	JC	H	Weight(g)
PEB4M5	4	M5×0,8	9	3,5	14	17	21	3,2	6,5	13	9	6,5
PEB401		1/8"	9	7,5	14	17	25	3,2	6,5	13	10	8,5
PEB402		1/4"	9	10	14	17	28	3,2	6,5	13	14	14,5
PEB6M5	6	M5×0,8	12,5	3,5	16,5	20	23,5	3,2	8	16	12	10,5
PEB601		1/8"	12,5	7,5	16,5	20	27,5	3,2	8	16	12	13
PEB602		1/4"	12,5	10	16,5	20	30,5	3,2	8	16	14	17,5
PEB603	8	3/8"	12,5	11	16,5	20	32	3,2	8	16	17	23,5
PEB801		1/8"	15	7,5	18,5	23	30,5	4,3	9,5	19	14	17,5
PEB802		1/4"	15	10	18,5	23	33	4,3	9,5	19	14	20
PEB803	10	3/8"	15	11	18,5	23	34,5	4,3	9,5	19	17	26,5
PEB804		1/2"	15	14	18,5	23	38,5	4,3	9,5	19	21	38
PEB1001	12	1/8"	18	7,5	21	26,5	34	4,3	11	22	17	25,5
PEB1002		1/4"	18	10	21	26,5	36,5	4,3	11	22	17	27,5
PEB1003		3/8"	18	11	21	26,5	37,5	4,3	11	22	17	30
PEB1004	12	1/2"	18	14	21	26,5	41,5	4,3	11	22	21	42,5
PEB1202		1/4"	21	10	23	30	41	4,3	13	26	21	47
PEB1203	12	3/8"	21	11	23	30	42	4,3	13	26	21	48,5
PEB1204		1/2"	21	14	23	30	45	4,3	13	26	21	54

Accessories—One-Touch Fittings(Stainless steel)



One-touch fittings—threaded type

Ordering code

BB 01 01 □ - S



① Model	② Thread connection I	③ Thread connection II	④ Thread type	⑤ Material
BB: Male connector BD: Male & female connector[Note1] BU: Double female connector BZ: Hexagon head cap plug[Note2]	01 : 1/8" 02 : 1/4" 03 : 3/8" 04 : 1/2"	01 : 1/8" 02 : 1/4" 03 : 3/8" 04 : 1/2"	Blank: PT	S: SUS304

[Note1] For BD series, Thread I is Female thread, Thread II is male thread; [Note2] For BZ series, no thread II and thread I is male thread.

Specification

Operating pressure range	0~10kgf/cm ² (0~1.0MPa)
Negative pressure	-750mmHg(10Torr)
Proof pressure	3.0MPa
Ambient and fluid temperature (°C)	0~150

Configuration table of tubing thread

Product series	Thread connection I	Thread connection II			
		01	02	03	04
BB	01	•	•	•	•
	02		•	•	•
	03			•	•
	04				•
BD	01		•	•	•
	02			•	•
	03				•
	04				
BU	01	•			
	02		•		
	03			•	
	04				•

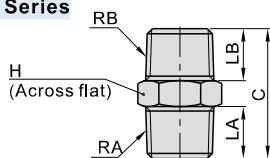
Product series	Thread connection			
	01	02	03	04
BZ	•	•	•	•

Product feature

1. Variable models can be widely used in every kind of pneumatic systems.
2. High circulation performance bear the same flow with the volume of the tube inner diameter.
3. Metal fittings can be used in high temperature environment.

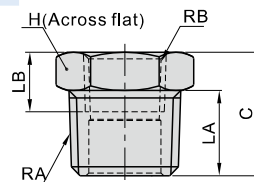
Dimensions

BB Series



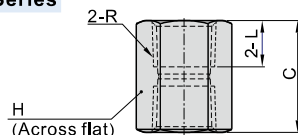
Model\Item	RA	RB	LA	LB	C	H	Weight(g)
BB0101	1/8"	1/8"	7.5	7.5	19.5	10	6
BB0102	1/4"	1/8"	10	7.5	22.5	14	11
BB0103	3/8"	1/8"	11	7.5	24	17	17
BB0202	1/4"	1/4"	10	10	25	14	13.5
BB0203	3/8"	1/4"	11	10	26.5	17	19
BB0204	1/2"	1/4"	14	10	30	21	31.5
BB0303	3/8"	3/8"	11	11	27.5	17	21.5
BB0304	1/2"	3/8"	14	11	31	21	33
BB0404	1/2"	1/2"	14	14	34	21	39.5

BD Series



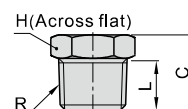
Model\Item	RA	RB	LA	LB	C	H	Weight(g)
BD0102	1/4"	1/8"	10	8	14.5	14	8
BD0103	3/8"	1/8"	11	8	16	17	15.5
BD0104	1/2"	1/8"	14	8	19.5	21	31
BD0203	3/8"	1/4"	11	11	16	17	11.5
BD0204	1/2"	1/4"	14	11	19.5	21	28
BD0304	1/2"	3/8"	14	12	19.5	21	20.5

BU Series



Model\Item	R	L	C	H	Weight(g)
BU0101	1/8"	8	17	12	8
BU0202	1/4"	11	23	17	23.5
BU0303	3/8"	12	25	21	36.5
BU0404	1/2"	13.5	28	24	42.5

BZ Series



Model\Item	R	L	C	H	Weight(g)
BZ01	1/8"	7.5	11	10	4
BZ02	1/4"	10	14.5	14	10
BZ03	3/8"	11	16	17	16.5
BZ04	1/2"	14	19.5	21	30



Accessories—One-Touch Fittings(Stainless steel)




One-touch fittings—threaded type

Ordering code

BKC 06 04 -01 □ - S

① ② ③ ④ ⑤ ⑥

① Model	② Tubing outer diameter	③ Tubing inner diameter	④ Thread connection	⑤ Thread type	⑥ Material
BKC: Straight locknut connector 	04 : Φ4mm 06 : Φ6mm 08 : Φ8mm 10 : Φ10mm 12 : Φ12mm	25 : Φ2.5mm 04 : Φ4mm 05 : Φ5mm 06 : Φ6mm 65 : Φ6.5mm 75 : Φ7.5mm 08 : Φ8mm 09 : Φ9mm	M3 : M3X0.5 M5 : M5X0.8 01 : 1/8" 02 : 1/4" 03 : 3/8" 04 : 1/2"	Blank: PT	S: SUS304

Note: When using the tubing Φ8×Φ5.5, the straight lock nut connector of BKC0806can be used.

Specification

Operating pressure range	0~10kgf/cm ² (0~1.0MPa)
Negative pressure	-750mmHg(10Torr)
Proof pressure	3.0MPa
Ambient and fluid temperature (°C)	0~150

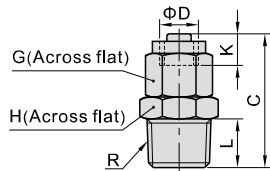
Note: The temperature resistance level of the tubing should be confirmed first when used in high temperature environments.

Product feature

1. Variable models can be widely used in every kind of pneumatic systems.
2. High circulation performance bear the same flow with the volume of the tube innerdiameter.
3. Metal fittings can be used in high temperature environments.

Dimensions

BKC Series



Model\Item	Tubing diameterΦD		R	L	C	K	G	H	Weight(g)	Model\Item	Tubing diameterΦD		R	L	C	K	G	H	Weight(g)	
	O.D	I.D									O.D	I.D								
BKC0425-M3	4	2.5	M3×0.5	3	17	5	8	8	4	BKC1065-02	10	6.5	1/4"	10	30	7.5	15	15	22	
BKC0425-M5			M5×0.8	3.5	17.5					3/8"			11	31.5	17					26.5
BKC0425-01			1/8"	7.5	20.5					1/2"			14	35.5	21					40.5
BKC0604-01	6	4	1/8"	7.5	22	5.5	10	9	15	BKC1075-02	10	7.5	1/4"	10	30	7.5	15	15	22	
BKC0604-02			1/4"	10	25.5					3/8"			11	31.5	17					26.5
BKC0604-03			3/8"	11	27					1/2"			14	35.5	21					40
BKC0805-01	8	5	1/8"	7.5	24	6.5	12	11.5	17	BKC1208-02	12	8	1/4"	10	30	7.5	17	17	28	
BKC0805-02			1/4"	10	27.5					3/8"			11	31.5	17					29.5
BKC0805-03			3/8"	11	29					1/2"			14	35.5	21					42.5
BKC0806-01	8	5.5or6	1/8"	7.5	24	6.5	12	12	17	BKC1209-02	12	9	1/4"	10	30	7.5	17	17	28	
BKC0806-02			1/4"	10	27.5					3/8"			11	31.5	17					29
BKC0806-03			3/8"	11	29					1/2"			14	35.5	21					42.5
BKC1209-04											10	1/2"	14	35.5						

Installation and application

1. Method of inserting or removal a tubing

1.1 Inserting a tubing

Place the locking cap over the tubing, and insert the tubing into the body, then tighten the locking cap. (As figure 1)

1.2 Removing a tubing

Loosen the locking cap first, then remove the tubing. (As figure 2)

2. Method of tightening the connector thread

Tighten the connector with a hex wrench, as shown right.

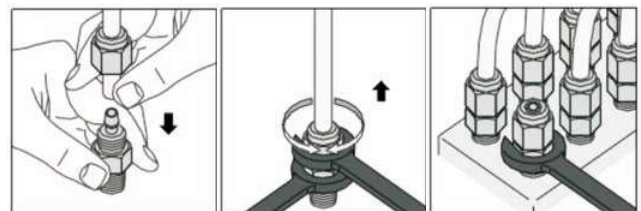


Figure 1

Figure 2

Figure 3



Accessories—Silencers(Stainless steel)

BSL, BSLM, BESL series

Ordering code

BSL 01 - S

① ② ③

① Silencer Type	② Thread connection	③ Material
BSL: Universal silencer BSLM: Mini Silencer BESL: Throttling silencer	M5 : M5X0.8 01 : 1/8" 02 : 1/4" 03 : 3/8" 04 : 1/2"	S: SUS304

Product feature

1. Stainless steel 304 material can be used in prohibiting copper condition.
2. This silencers have excellent noise silencing performance.
3. The installation of the silencer is simple and convenient, and the connecting portion is reliable and durable.
4. It is easy to adjust the exhaust flow of the throttling type silencer.

Configuration table of tubing thread

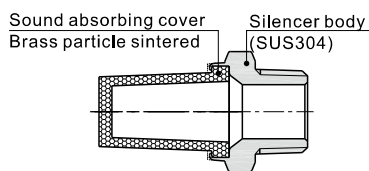
Product series	Thread connection				
	M5	01	02	03	04
BSL	•	•	•	•	•
BSLM	•	•	•	•	•
BESL		•	•	•	•

Specification

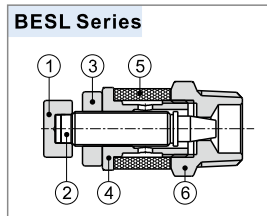
Model	BSLM5	BSL01	BSL02	BSL03	BSL04	BSLMM5	BSLM01	BSLM02	BSLM03	BSLM04	BESL01	BESL02	BESL03	BESL04
Thread connection	M5×0.8	1/8"	1/4"	3/8"	1/2"	M5×0.8	1/8"	1/4"	3/8"	1/2"	1/8"	1/4"	3/8"	1/2"
Silencing effect(dB)(0.5MPa)	15	20	20	20	20	15	20	20	20	20	20	20	20	20
Operating pressure	0~10kgf/cm ² (0~1.0MPa)													
Negative pressure	-750mmHg(10Torr)													
Proof pressure	1.5MPa													
Temperature range	-20~70°C													

Inner structure

BSL Series



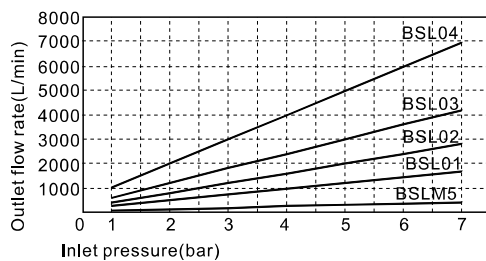
BESL Series



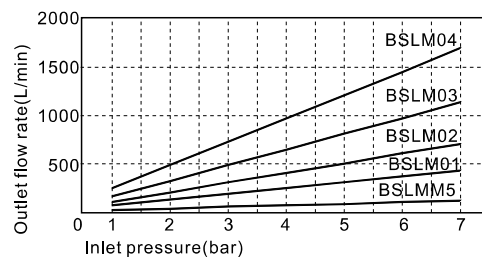
NO.	Name	Material
1	Adjusting cap	Aluminum alloy
2	Throttling column	Aluminum alloy
3	Locking cap	Aluminum alloy
4	Locking ring	Aluminum alloy
5	Silencer ring	Brass particle sintered
6	Silencer body	SUS304

Flowrate characteristic

BSL Series



BSLM Series

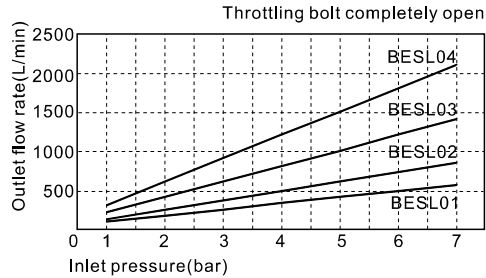


Accessories—Silencers(Stainless steel)

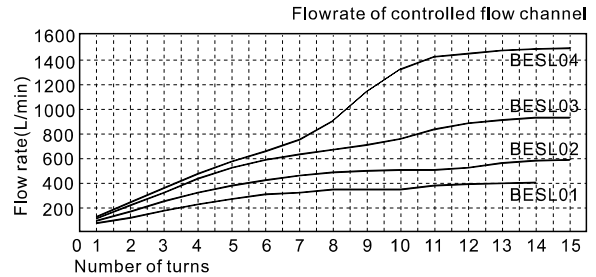
BSL, BSLM, BESL series

Flowrate characteristic

BESL Series (Inlet pressure and outlet flow rate)

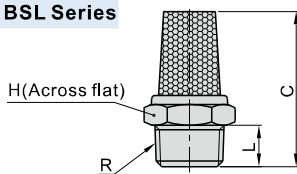


BESL Series



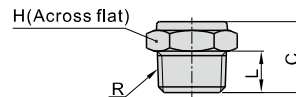
Dimensions

BSL Series



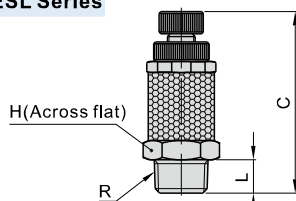
Model\Item	R	L	C	H	Weight(g)
BSLM5	M5×0.8	3.5	19.5	8	2.5
BSL01	1/8"	6	24	12	7
BSL02	1/4"	8	30	15	14
BSL03	3/8"	9	38.5	19	24.5
BSL04	1/2"	10.5	46	22	37.5

BSLM Series



Model\Item	R	L	C	H	Weight(g)
BSLMM5	M5×0,8	3,5	9,5	8	2,5
BSLM01	1/8"	6	11	12	5
BSLM02	1/4"	8	13,5	15	9
BSLM03	3/8"	9	15,5	19	15
BSLM04	1/2"	10,5	19	22	25,5

BESL Series



Model\Item	R	L	C		H	Weight(g)
			max	min		
BESL01	1/8"	6	40.5	33	12	11.5
BESL02	1/4"	8	42.5	35	14	17
BESL03	3/8"	9	49	41.5	17	30
BESL04	1/2"	10.5	59.5	52	24	66

Accessories—Speed controllers(Stainless steel)


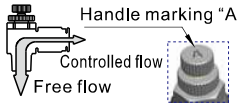

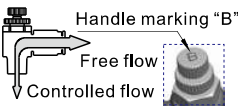


PSA, PSL, PSS series

Ordering code


PSL 6 01 A □ □ - S

① ② ③ ④ ⑤ ⑥ ⑦

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 M5 : M5X0.8	Adaptable port size Φ4 , Φ6	A: Meter-out  Handle marking "A" Controlled flow Free flow	Standard color Blank: Gray	Specification Release button: Gray Body: Gray	Blank: PT	S: SUS304
PSS: Universal speed controller 		01 : 1/8" 02 : 1/4" 03 : 3/8" 04 : 1/2"	Φ4 , Φ6 Φ8 , Φ10 Φ12	B: Meter-in  Handle marking "B" Free flow Controlled flow	D: Black	Release button: Black Body: Black		

PSA 6 □ - S

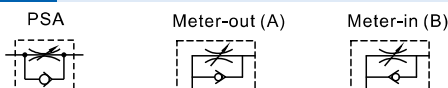
① ② ③ ④

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: Blank: Gray D: Black	Specification Release button: Gray Body: Gray Release button: Black Body: Black	S: SUS304

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



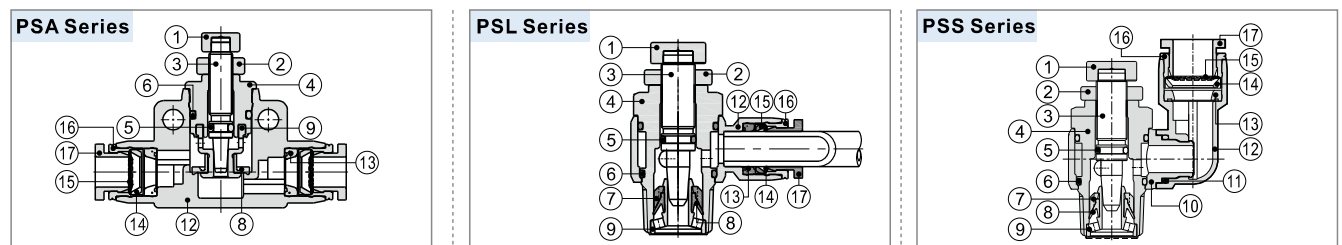
Product feature

1. Stainless steel 304 material can be used in prohibiting copper condition.
2. The speed control is small size, and light weight with small installation space.
3. Effectively control the action speed and pressure signal transmission from pneumatic device.
4. Meter-in and meter-out types are optional, which is suitable for different size of actuators
5. Excellent flow characteristics, high sensitivity and easy to adjust.
6. The brass body adopts a special nickel-plating process, which has good corrosion resistance and anti-pollution property.
7. Anti-drop structure is designed on the regulating rod.
8. The sealant being coated on threaded portion can ensure no leakage of the threaded connection part.
9. The inserting direction of universal speed controller can be adjusted in 360°.

Table for interface port and tube O.D.

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

Inner structure



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	Aluminum alloy	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			



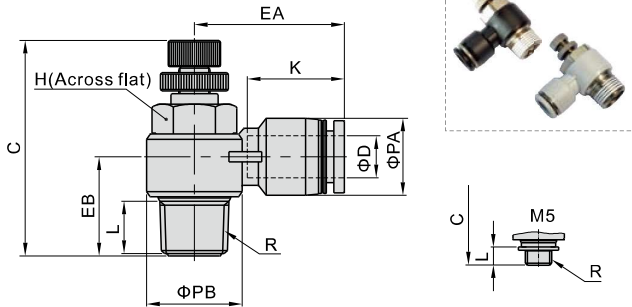
Accessories—Speed controllers(Stainless steel)



PSA, PSL, PSS series

Dimensions

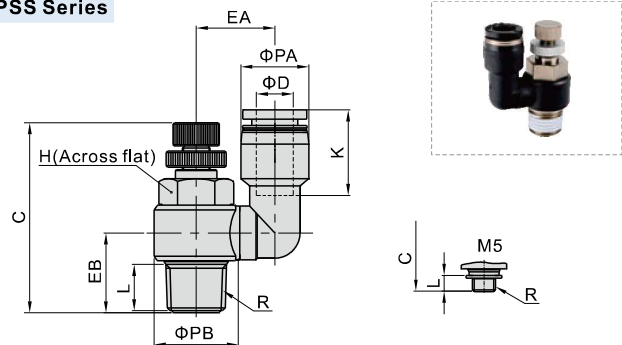
PSL Series



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□	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□	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□	1/2"	18	28	14	58,5	51,5	21	35,5	25,5	24	90,5	
PSL1203□	12	3/8"	21	22,5	11	52,5	45,5	23	36	23,5	19	59,5
PSL1204□		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.

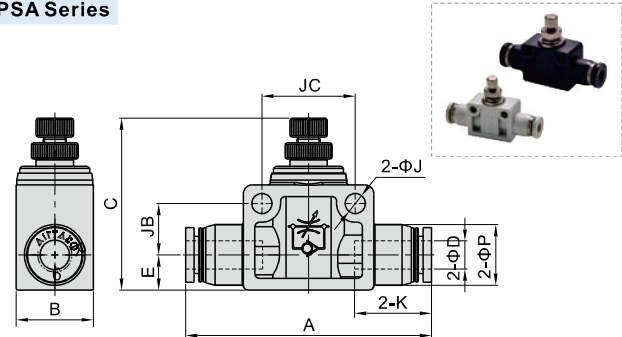
PSS Series



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□		1/8"	12,5	14	7,5	41,5	35	17	17	15	11	18
PSS602□	6	1/4"	12,5	18	10	47,5	41	17	19	17,5	14	32,5
PSS801□		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□	8	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□	10	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



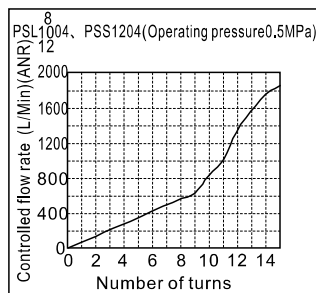
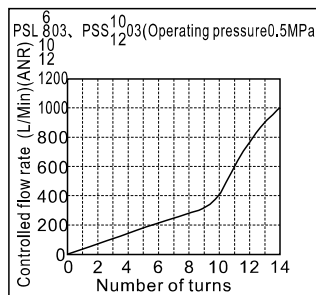
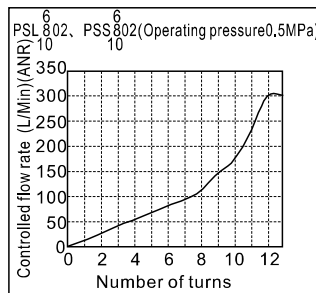
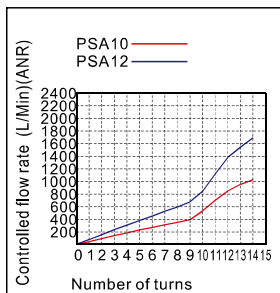
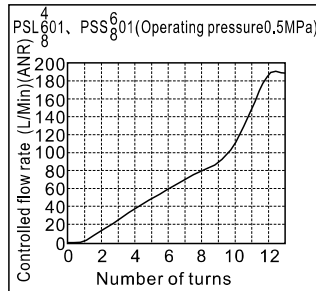
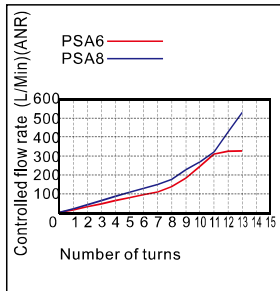
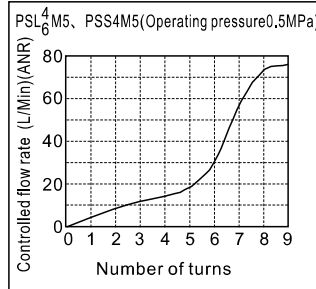
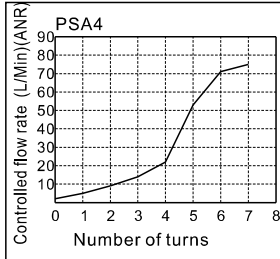
Model\Item	ΦD	A	B	C		ΦP	E	K	ΦJ	JB	JC	Weight (g)
				max	min							
PSA4	4	41	11	29	26,5	9,5	7	14	3,2	6	14	7,5
PSA6	6	52,5	16,5	43,5	36,5	13	7,5	16,5	4,3	11	20	18
PSA8	8	59,5	16,5	47	40	15	8,5	18,5	4,3	11	22	23
PSA10	10	69	21	53,5	46,5	18	10,5	21	4,3	14,5	26	41,5
PSA12	12	78,5	26	58,5	51	21,5	12	23	4,3	17,5	32	66



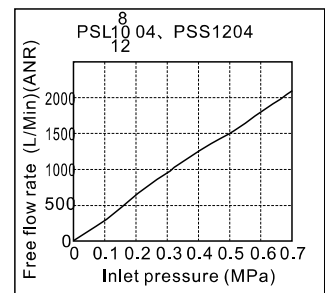
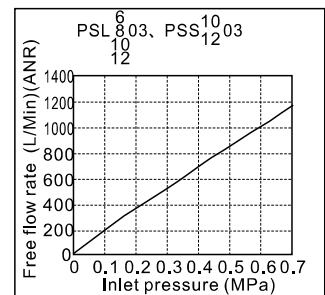
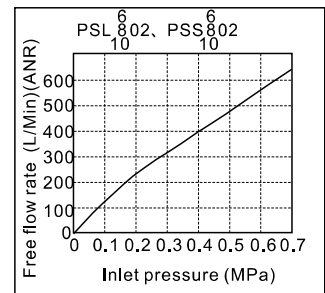
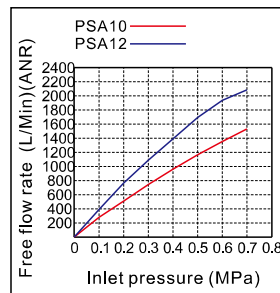
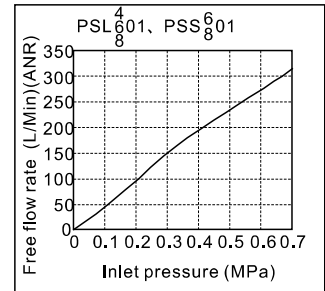
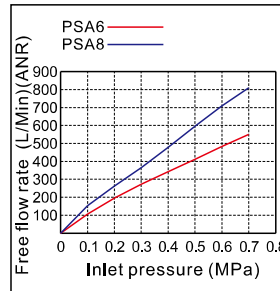
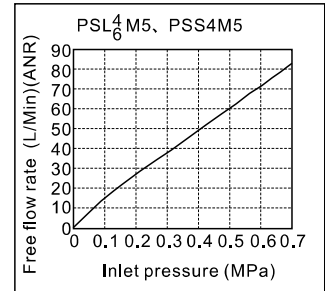
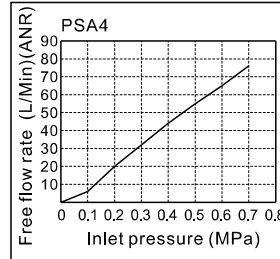
PSA, PSL, PSS series

Flowrate characteristic

Controlled flow rate



Free flow rate



Accessories—Speed controllers(Stainless steel)

PSA, PSL, PSS series

Selection, Installation and Operation

Selection

1. The speed controller has meter-out type and meter-in type:

	Working principle	Product identification
	A: Meter-out 1. The air flow is controlled from the threaded end to tubing connection end. 2. The air flow is free from the tubing connection end to the threaded end.	Handle marking "A"
	B: Meter-in 1. The air flow is free from the threaded end to tubing connection end. 2. The air flow is controlled from the tubing connection end to the threaded end.	Handle marking "B"

2. Select the different control method according to the actual requirement. The meter-out type is the first priority.

2.1. The application example of the meter-out speed controller	2.2. The application example of the meter-in speed controller
<p>Solenoid valve Double acting cylinder</p> <p>Meter-out speed controller</p>	<p>Solenoid valve Single acting cylinder</p> <p>Meter-in speed controller</p>

Installation

1. Installation and removal of tubing:

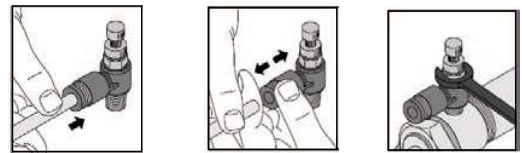
1.1. Installation of tubing

Grasp the tubing and slowly push it into the fitting until it comes to a stop. The tubing will be locked by the spring gasket.

1.2. Removal of tubing

Push the release button to open the spring gasket so that the tubing can be released.

Note: When remove the tubing, make sure the pressure in the tubing is Zero.



2. Mounting of the speed controller

Mount the speed controller into the inlet and outlet port of the cylinder with a wrench.

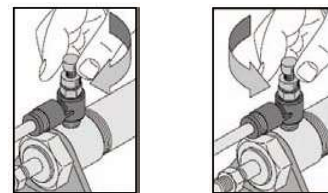
Note: Please refer to the fittings for the tightening torque and thread screw-in depth.

Operation

1. Adjustment of the cylinder speed

1.1. Make sure the speed controller is turned off before applying air pressure. The cylinder may fly out due to the high speed if the air is inlet when the speed controller is turned on.

1.2. Adjust the speed by opening the needle slowly from the fully closed state. When a needle valve is turned clockwise, the air flow through is reduced and the actuator speed decreases. When a needle valve is turned counter-clockwise, the air flow through is increased and the actuator speed increases.



2. Operation of the speed controller

2.1. Do not use tools such as pliers to rotate the handle. Do not apply excessive force or shock when the needle is at the place of top or bottom. It can cause damage or air leakage.


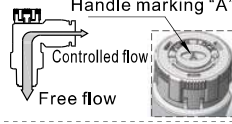

2.2. A certain amount of leakage is allowed in the closed state of the speed controller. It is not designed for the use as stop valve with zero air leakage.

Accessories—Speed controllers(Push lock/Stainless steel) **AIRTAC**

PTL Mini series

Ordering code

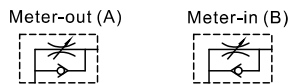
PTL 6 M5 A □ □ - M S
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Model	② Port size	③ Thread connection	④ Control method	⑤ Standard color	⑥ Thread type	⑦ Style	⑧ Material
PTL: Speed controller (Push lock) 	4 : Φ4mm 6 : Φ6mm	M5 : M5X0.8 01 : 1/8"	A: Meter-out Handle marking "A"  Controlled flow Free flow	Standard color: Specification Blank: Gray Release button: Gray Body: Gray	Blank: PT	M: Mini type	S: SUS304
			B: Meter-in Handle marking "B"  Controlled flow Free flow	D: Black Release button: Black Body: Black			

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



Selection, Installation and Operation

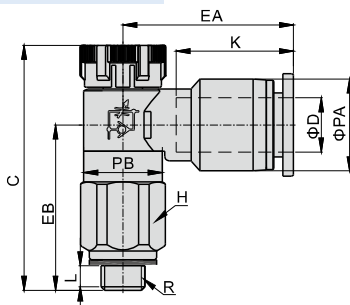
- The rotation torque of the push-lock speed controller cap should not be too large to avoid damage. It is recommended to use the torque below.

Thread size	Recommended torque(N.m)
M5	0.05
1/8"	0.08

- Push-lock speed controller installation instructions is the same as general one. Please refer to general type for specific content.

Dimensions

PTL Mini series



Model\Item [Note1]	ΦD	R	ΦPA	ΦPB	L	C		K	EA	EB	H	Weight (g)
						Pull	Push					
PTL4M5□-MS	4	M5×0.8	8.5	9	3.5	29.5	28	12.5	16.5	19	9	5
PTL401□-MS		1/8"	8.5	9	3.5	29.5	28	12.5	16.5	19	10	11
PTL6M5□-MS	6	M5×0.8	10.5	9	3.5	29.5	28	13.5	19.5	19	9	6.2
PTL601□-MS		1/8"	10.5	9	3.5	29.5	28	13.5	19.5	19	10	12

[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.



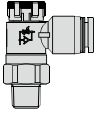




Accessories—Speed controllers(Push lock/Stainless steel) **AIRTAC**

PTL series

Ordering code

PTL 6 01 A □ □ - S

① ② ③ ④ ⑤ ⑥ ⑦

① Model	② Port size	③ Thread connection	④ Control method	⑤ Standard color	⑥ Thread type	⑦ Material
PTL: Speed controller (Push lock) 	6 : Φ6mm	01 : 1/8"	A: Meter-out  Handle marking "A" Controlled flow Free flow 	Standard color : Specification Blank: Gray	Blank: PT	S: SUS304
		02 : 1/4" 03 : 3/8"				
	8 : Φ8mm	01 : 1/8" 02 : 1/4" 03 : 3/8" 04 : 1/2"	B: Meter-in  Handle marking "B" Free flow Controlled flow 	D: Black		
		02 : 1/4" 03 : 3/8" 04 : 1/2"				
10 : Φ10mm	03 : 3/8" 04 : 1/2"					
12 : Φ12mm	03 : 3/8" 04 : 1/2"					

Specification

Operating pressure range	0~10kgf/cm²(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

Product feature

1. Compare with standard speed controller, smaller size, lighter weight, suitable for more occasions.
2. Effectively control the action speed and the pressure signal transmission from pneumatic device.
3. Simple push-lock, operation.
4. Adjust quickly, easily and accurately.
5. Excellent flow rate characteristic, high sensitivity and easy to adjust.
6. Options of Meter-out and meter-in, applicable for every type actuator.
7. Effectively prevent from corrosion and pollution by nickle plated brass.
8. The sealant being coated on threaded portion can ensure no leakage of the threaded connection part.

Symbol

Meter-out (A)



Meter-in (B)



Table for interface port and tube O.D.

Product series	Thread type	Port size			
		Φ6	Φ8	Φ10	Φ12
PTL	1/8"	•	•		
	1/4"	•	•	•	
	3/8"	•	•	•	•
	1/2"		•	•	•

Selection, Installation and Operation

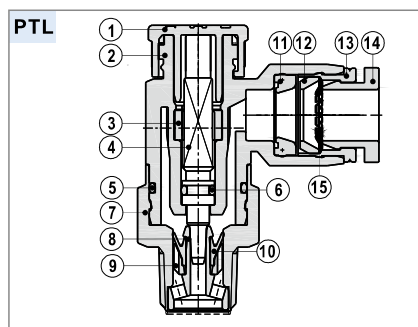
1. The rotation torque of the push-lock speed controller cap should not be too large to avoid damage.

It is recommended to use the torque below.

Thread size	Recommended torque(N.m)
1/8"	0.08
1/4"	0.16
3/8"	0.24
1/2"	0.32

2. Push-lock speed controller installation instructions is the same as general one. Please refer to general type for specific content.

Inner structure



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

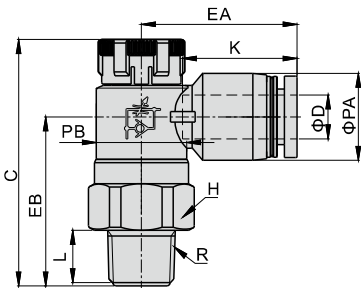


Accessories—Speed controllers(Push lock/Stainless steel) **AIRTAC**

PTL series

Dimensions

PTL Series

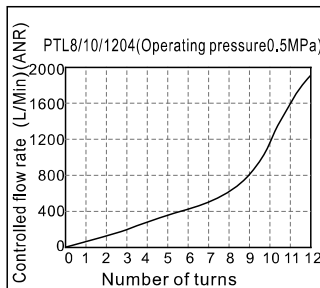
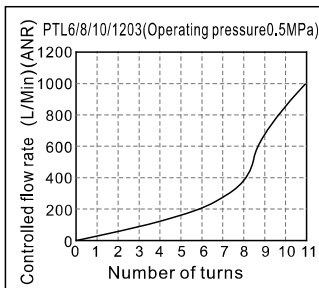
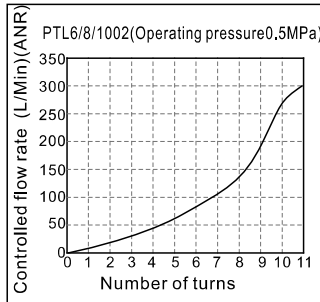
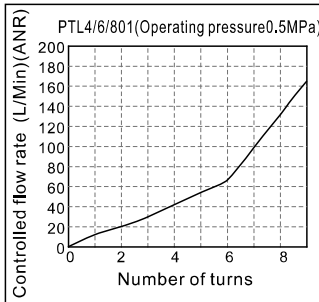
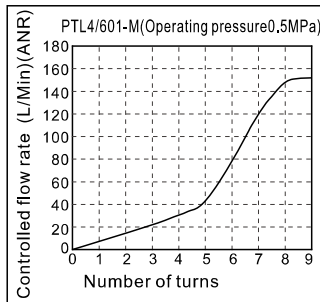
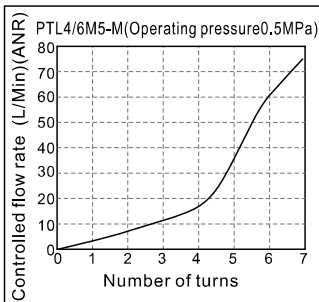


Model/Item [Note1]	ΦD	R	ΦPA	ΦPB	L	C		K	EA	EB	H	Weight (g)
						Pull	Push					
PTL601□-S	1/8"	12.5	13	8.5	36	34.5	16.5	22.5	23.5	14	12.5	
PTL602□-S	1/4"	12.5	16.5	11	40.5	39	16.5	24	28	17	19.5	
PTL603□-S	3/8"	12.5	19	12	44	42.5	16.5	25.5	31	19	28.5	
PTL801□-S	1/8"	15	13	8.5	36	34.5	18.5	24.5	22.5	14	13	
PTL802□-S	1/4"	15	16.5	11	40.5	39	18.5	26	27	17	20.5	
PTL803□-S	3/8"	15	19	12	44	42.5	18.5	27	30	19	29	
PTL804□-S	1/2"	15	24	15	52.5	51	18.5	29.5	37.5	24	49	
PTL1002□-S	1/4"	18	16.5	11	40.5	39	21	31	26	17	22	
PTL1003□-S	3/8"	18	19	12	44	42.5	21	29	29	19	30.5	
PTL1004□-S	1/2"	18	24	15	52.5	51	21	31.5	36.5	24	50.5	
PTL1203□-S	3/8"	21	19	12	44	42.5	23	34.5	28	19	32.5	
PTL1204□-S	1/2"	21	24	15	52.5	51	23	34	36	24	53	

[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.

Flowrate characteristic

Controlled flow rate



Free flow rate

