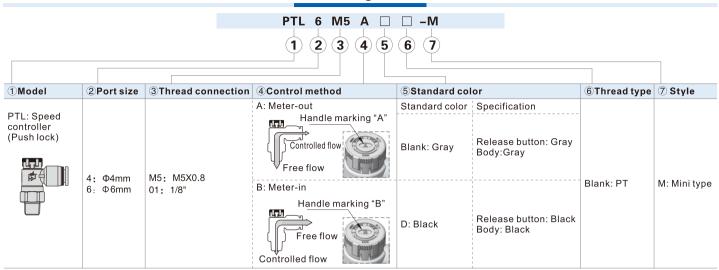


PTL Mini series

Ordering code



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

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								
M5	0.05							
1/8"	0.08							

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

Product feature

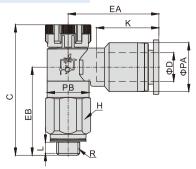
- Compare with standard speed controller, smaller size, lighter weight, suitable for more occasions.
- Effectively control the action speed and the pressure signal transmission from pneumatic device.
- 3. Simple push-lock, operation.
- 4. Adjust quickly, easily and accurately.
- 5. Excellent flow rate 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 pollusion by nickle plated copper.
- 8. The sealant being coated on threaded portion can ensure no leakage of the threaded connection part.

Table for interface port and tube O.D.

Product series	Throad tune	Port size				
Product series	Thread type	Φ4	Φ6			
PTL	M5	•	•			
	1/8"	•	•			

Dimensions

PTL Mini series





Model\Item	ΦD	R	ФПА	РА ФРВ		С		С	K	EA	ЕВ	н	Weight
[Note1]	Ψυ	K	ΨΡΑ		_	Pull	Pull Push	,	EA	(g)			
PTL4M5□-M	4	M5×0.8	8.5	9	3.5	29.5	28	12.5	16.5	19	9	5	
PTL401□-M	4	1/8"	8.5	9	3.5	29.5	28	12.5	16.5	19	10	11	
PTL6M5□-M	6	M5×0.8	10.5	9	3.5	29.5	28	13.5	19.5	19	9	6.2	
PTL601□-M	0	1/8"	10.5	9	3.5	29.5	28	13.5	19.5	19	10	12	

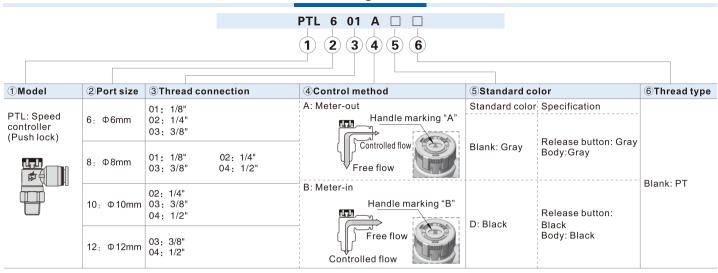
[Note1] "□" stands for A or B. A indicates meter-out type while B indicates meter-in type. The two types are with the same overall dimension.





PTL series

Ordering code



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

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)
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.

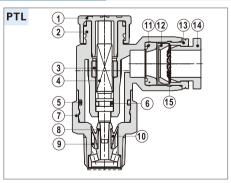
Product feature

- Compare with standard speed controller, smaller size, lighter weight, suitable for more occasions.
- 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 pollusion by nickle plated copper.
- 8. The sealant being coated on threaded portion can ensure no leakage of the threaded connection part.

Table for interface port and tube O.D.

Product	Thus and tour	Port size							
series	Thread type	Φ6	Φ8	Ф10	Φ12				
PTL	1/8"	•	•						
	1/4"	•	•	•					
	3/8"	•	•	•	•				
	1/2"		•	•	•				

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	Brass	15	Spring gasket	Stainless steel	
8	Throttling sleeve	Aluminum alloy				

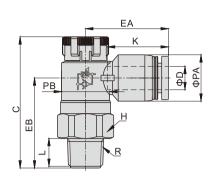




PTL series

Dimensions

PTL Series



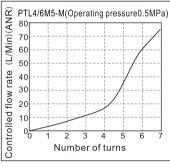


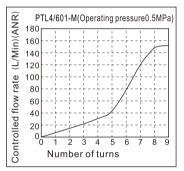
Model\Item	Item DD R DPA DPB	L	С		к	EA	ЕВ	н	Weight			
[Note1]	Ψυ	K	ΨΡΑ	ΨΡΒ	ΨFB L	Pull	Push	, K	LA	LB	-''	(g)
PTL601□		1/8"	12.5	13	8.5	36	34.5	16.5	22.5	23.5	14	12.5
PTL602□	6	1/4"	12.5	16.5	11	40.5	39	16.5	24	28	17	19.5
PTL603□		3/8"	12.5	19	12	44	42.5	16.5	25.5	31	19	28.5
PTL801□		1/8"	15	13	8.5	36	34.5	18.5	24.5	22.5	14	13
PTL802□	8	1/4"	15	16.5	11	40.5	39	18.5	26	27	17	20.5
PTL803□	0	3/8"	15	19	12	44	42.5	18.5	27	30	19	29
PTL804□		1/2"	15	24	15	52.5	51	18.5	29.5	37.5	24	49
PTL1002□		1/4"	18	16.5	11	40.5	39	21	31	26	17	22
PTL1003□	10	3/8"	18	19	12	44	42.5	21	29	29	19	30.5
PTL1004□		1/2"	18	24	15	52.5	51	21	31.5	36.5	24	50.5
PTL1203□	12	3/8"	21	19	12	44	42.5	23	34.5	28	19	32.5
PTL1204□	12	1/2"	21	24	15	52.5	51	23	34	36	24	53

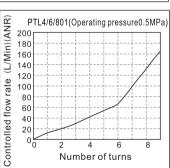
[Note1] " \square " stands for A or B. A indicates meter-out type while B indicates meter-in type. The two types are with the same overall dimension.

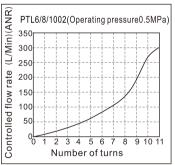
Flowrate characteristic

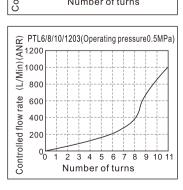
Controlled flow rate

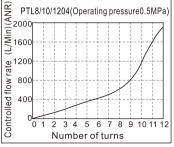












Free flow rate

