

## PTL Mini series



Meter-out (A)



Meter-in (B)



### Ordering code

**PTL 6 M5 A □ □ - M**

① ② ③ ④ ⑤ ⑥ ⑦

#### ① Model

PTL: Speed controller  
(Push lock)



#### ② Port size

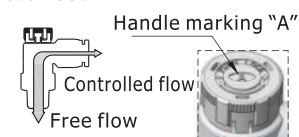
4:  $\Phi 4$ mm  
6:  $\Phi 6$ mm

#### ③ Thread connection

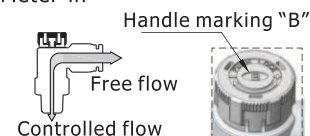
M5: M5X0.8  
01: 1/8"

#### ④ Control method

A: Meter-out



B: Meter-in



#### ⑤ Standard color

Standard color: Specification

Blank: Gray

Release button: Gray  
Body: Gray

#### ⑥ Thread type

Blank: PT

#### ⑦ Style type

M: Mini type

### Table for interface port and tube O.D.

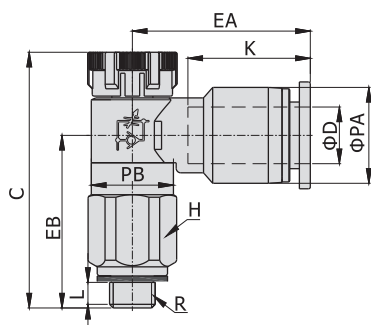
Product series	Thread type	Port size	
		$\Phi 4$	$\Phi 6$
PTL	M5	●	●
	1/8"	●	●

### Specification

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

### Dimensions

#### PTL Mini Series



[Unit: mm]

Model\Item [Note1]	$\Phi D$	R	$\Phi PA$	$\Phi PB$	L	C		K	EA	EB	H	Weight (g)
						Pull	Push					
PTL4M5□-M	4	M5×0.8	8.5	9	3.5	29.5	28	12.5	16.5	19	9	5
PTL401□-M		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		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



Meter-out (A)



Meter-in (B)



### Ordering code

**PTL 6 01 A** □ □

① ② ③ ④ ⑤ ⑥

#### ① Model

PTL: Speed controller  
(Push lock)



#### ② Port size

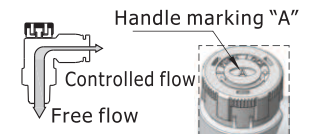
6:  $\Phi 6\text{mm}$   
8:  $\Phi 8\text{mm}$   
10:  $\Phi 10\text{mm}$   
12:  $\Phi 12\text{mm}$

#### ③ Thread connection

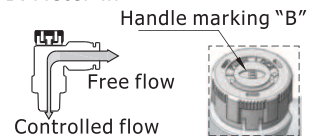
Thread	Adaptable port size
01: 1/8"	$\Phi 6, \Phi 8$
02: 1/4"	$\Phi 6, \Phi 8, \Phi 10$
03: 3/8"	$\Phi 6, \Phi 8, \Phi 10, \Phi 12$
04: 1/2"	$\Phi 8, \Phi 10, \Phi 12$

#### ④ Control method

A: Meter-out



B: Meter-in



#### ⑤ Standard color

Standard color	Specification
Blank: Gray	Release button: Gray Body: Gray

#### ⑥ Thread type

Blank: PT

### Table for interface port and tube O.D.

Product series	Thread type	Port size			
		$\Phi 6$	$\Phi 8$	$\Phi 10$	$\Phi 12$
PTL	1/8"	●	●		
	1/4"	●	●	●	
	3/8"	●	●	●	●
	1/2"		●	●	●

### Specification

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

### Product feature

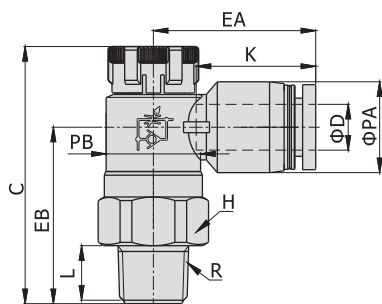
1. Compare with traditional speed controller, smaller size, lighter weight, suitable for more occasions.
2. Effectively control the action speed and the pressure signal transmission from pneumatic device.
3. Simple push-lock, operation.
4. Adjust quickly, easily and accurately.
5. Excellent flow rate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

## PTL series

### Dimensions

#### PTL Series

[Unit: mm]



Model\Item [Note1]	ΦD	R	ΦPA	ΦPB	L	C		K	EA	EB	H	Weight (g)
						Pull	Push					
PTL601□	6	1/8"	12.5	13	8.5	36	34.5	16.5	22.5	23.5	14	12.5
PTL602□		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□	8	1/8"	15	13	8.5	36	34.5	18.5	24.5	22.5	14	13
PTL802□		1/4"	15	16.5	11	40.5	39	18.5	26	27	17	20.5
PTL803□		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□	10	1/4"	18	16.5	11	40.5	39	21	31	26	17	22
PTL1003□		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□		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

