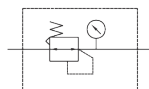


# PER1~3 series

## Precision regulator



- PER3 series(3/8 Size)
- Accurate pressure regulation
- Start-up stability
- Flow stability
- Automatic high downstream relief capacity
- Temperature stability



### How to order

PER 3 — 03 B G — 4K

① ② — ③ ④ ⑤ ⑥ — ⑦

① Precision Pressure Regulator

② Body size

- 1 : PER 1 (1/8)
- 2 : PER 2 (1/4)
- 3 : PER 3 (3/8)

③ Thread

- Blank : Rc(PT)
- N : NPT
- G : G(PF)

④ Port size

- 01 : 1/8 (PER1)
- 02 : 1/4 (PER2, PER3)
- 03 : 3/8 (PER3)
- 04 : 1/2 (PER3)

⑤ Bracket

- B : Bracket

⑥ Pressure gauge

- Blank : No gauge
- G : Pressure gauge

⑦ Set pressure range

- 2K : 0.005~0.2 Mpa
- 4K : 0.01~0.4 Mpa
- 8K : 0.01~0.8 Mpa

### How to order bracket

PER 3 — B

① ② — ③

① Precision Pressure Regulator

② Body size

- 1 : PER 1 (1/8)
- 2 : PER 2 (1/4)
- 3 : PER 3 (3/8)

③ Bracket

### How to order

G33 — 4K

① ②

① Diameter size

- G33 : Ø33
- G42 : Ø42

② Set pressure range

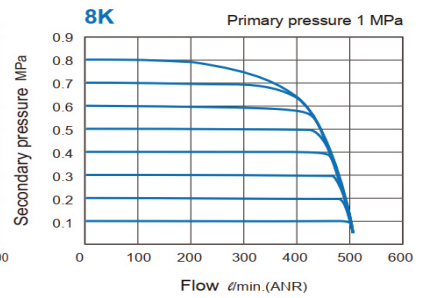
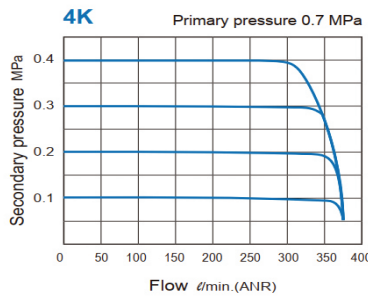
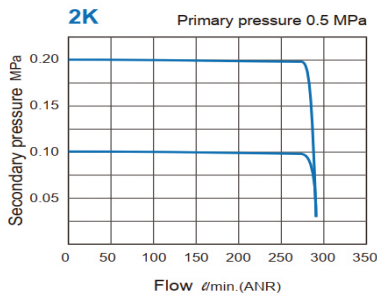
- 2K : 0.005~0.2 Mpa
- 4K : 0.01~0.4 Mpa
- 8K : 0.01~0.8 Mpa

# PER1~3 series

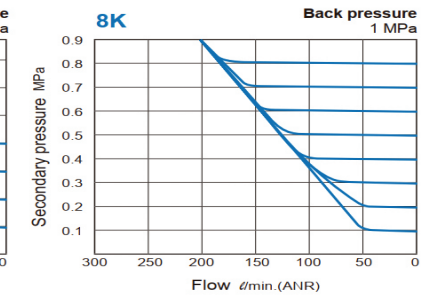
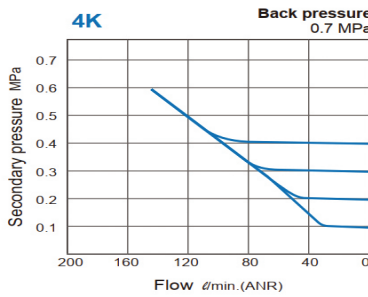
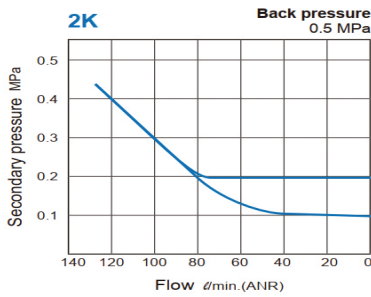
## Specifications

Series	PER1	PER2	PER3		
Port size	1/8	1/4	1/4	3/8	1/2
Fluid	Air	Ai	Air		
Max. operating pressure	1.0 Mpa	1.0 Mpa	1.0 Mpa		
Min. operating pressure	Set pressure+0.05MPa	Set pressure+0.05MPa	Set pressure+0.05MPa		
Proof pressure	1.5 MPa	1.5 MPa	1.5 MPa		
Pressure range	2K : 0.005~0.2 Mpa	2K : 0.005~0.2 Mpa	2K : 0.005~0.2 Mpa		
	4K : 0.01~0.4 Mpa	4K : 0.01~0.4 Mpa	4K : 0.01~0.4 Mpa		
	8K : 0.01~0.8 MPa	8K : 0.01~0.8 MPa	8K : 0.01~0.8 MPa		
Sensitivity	0.2% F.S	0.2% F.S	0.2% F.S		
Repeatability	±0.5% F.S	±0.5% F.S	±0.5% F.S		
Ambient temp.	-5 ~ +60°C (No freezing)	-5 ~ +60°C (No freezing)	-5 ~ +60°C (No freezing)		
Mounting	Bracket	Bracket	Bracket		
Option	Bracket, gauge(G33)	Bracket, gauge(G42)	Bracket, gauge(G42)		
Weight	150g	300g	875g		

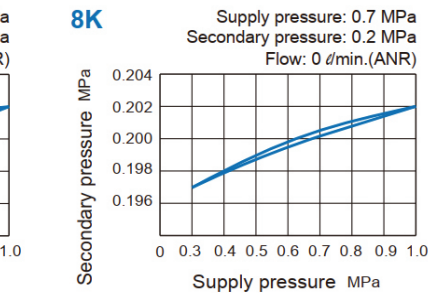
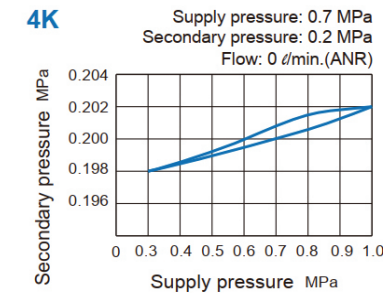
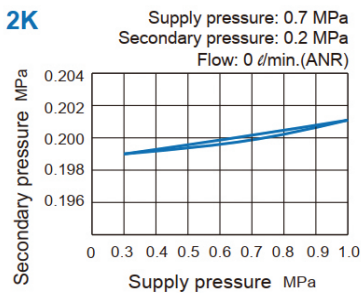
## PER 1 flow characteristic



## PER 1 relief characteristic

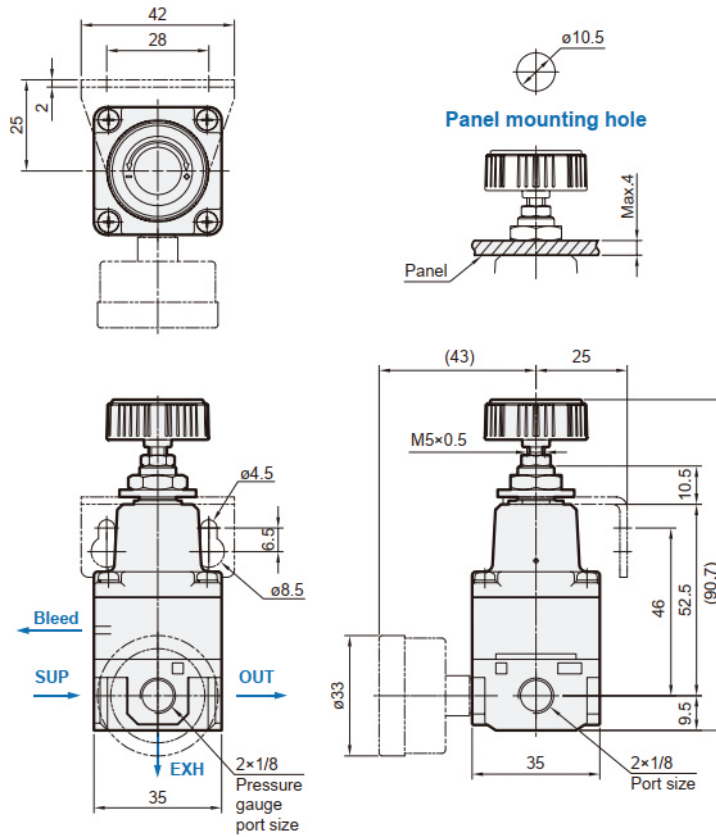


## PER 1 pressure characteristic

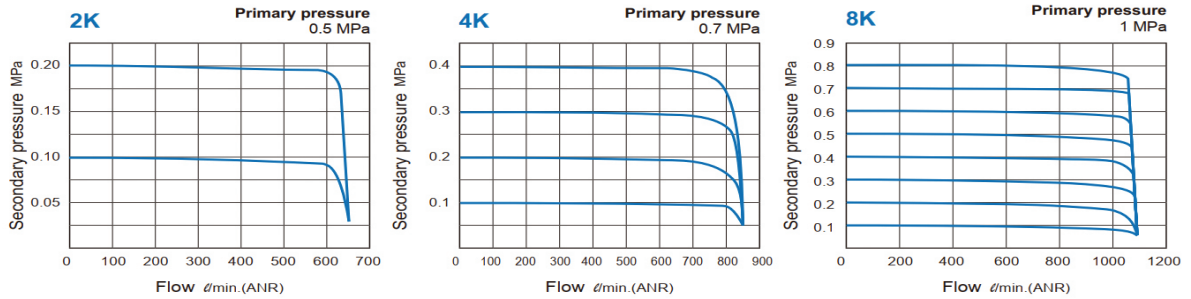


## Precision regulator **PER1~3 series**

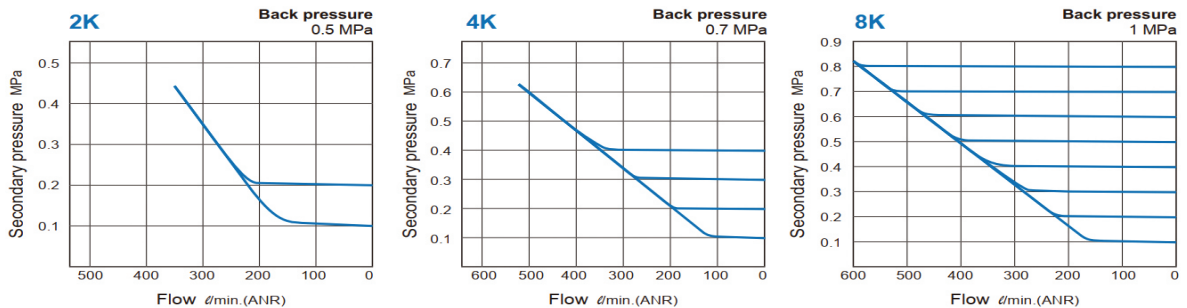
### PER 1 Dimensions



### PER 2 flow characteristic



### PER 2 relief characteristic

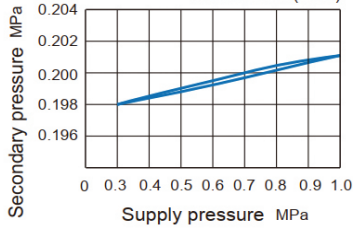


# PER1~3 series

## PER 2 pressure characteristic

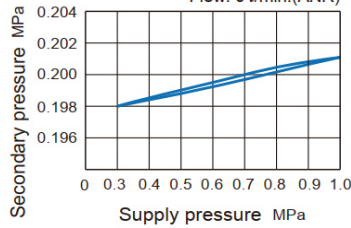
**2K**

Supply pressure: 0.7 MPa  
Secondary pressure: 0.2 MPa  
Flow: 0  $\ell$ /min.(ANR)



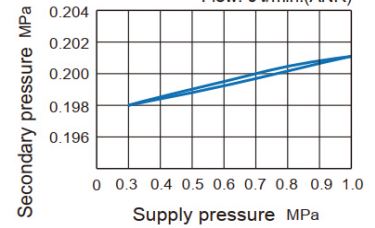
**4K**

Supply pressure: 0.7 MPa  
Secondary pressure: 0.2 MPa  
Flow: 0  $\ell$ /min.(ANR)

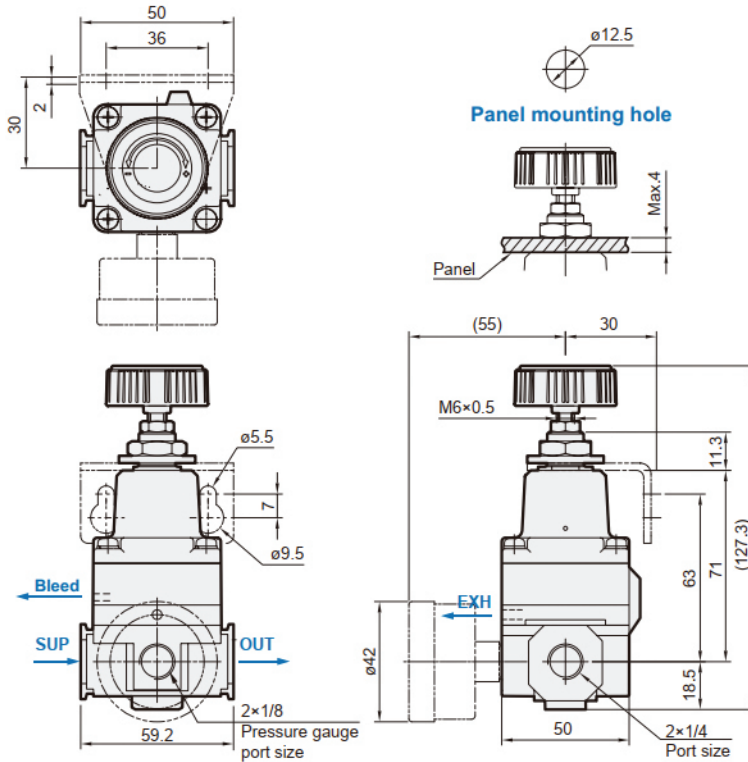


**8K**

Supply pressure: 0.7 MPa  
Secondary pressure: 0.2 MPa  
Flow: 0  $\ell$ /min.(ANR)



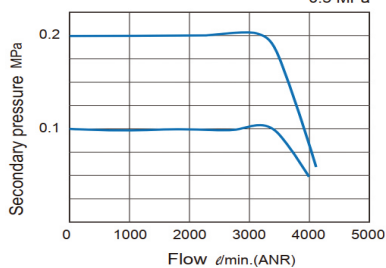
## PER 2 Dimensions



## PER 3 flow characteristic

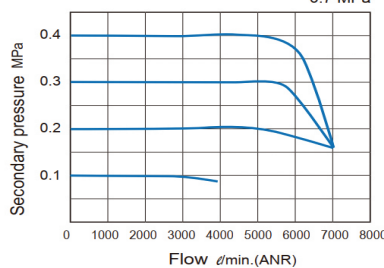
**2K**

Primary pressure  
0.5 MPa



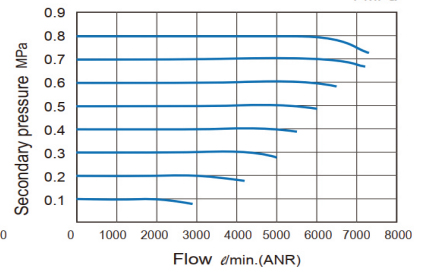
**4K**

Primary pressure  
0.7 MPa



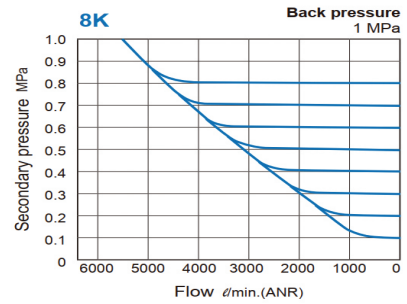
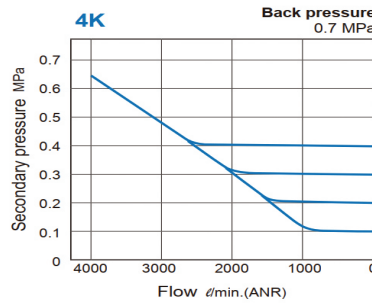
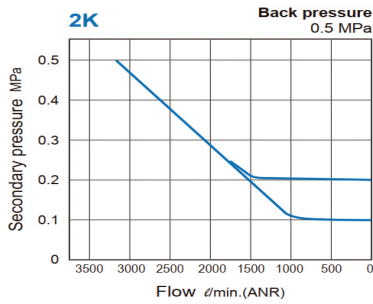
**8K**

Primary pressure  
1 MPa

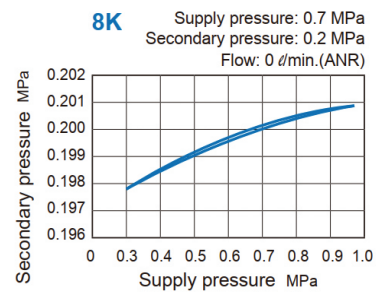
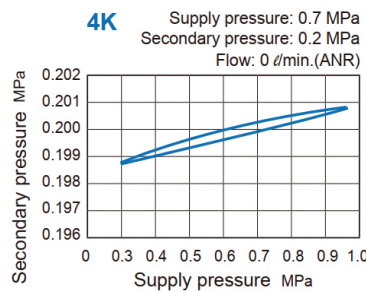
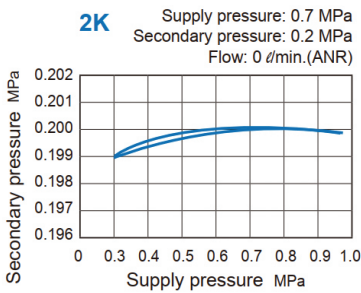


## Precision regulator **PER1~3 series**

### PER 3 relief characteristic



### PER 3 pressure characteristic



### PER 3 Dimensions

