

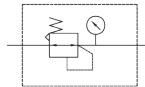
# PER1~3 Series

## Precision regulator



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

### Symbol



### How to order

PER 3 — 03 B G — 4K

1 2 3 4 5 6 7

- |   |   |  |
|---|---|--|
| <p>① Precision Pressure Regulator</p> <p>② Body size<br/>1 : PER 1 (1/8)<br/>2 : PER 2 (1/4)<br/>3 : PER 3 (3/8)</p> <p>③ Thread<br/>Blank : Rc(PT)<br/>N : NPT<br/>G : G(PF)</p> | <p>④ Port size<br/>01 : 1/8 (PER1)<br/>02 : 1/4 (PER2, PER3)<br/>03 : 3/8 (PER3)<br/>04 : 1/2 (PER3)</p> <p>⑤ Bracket<br/>B : Bracket</p> | <p>⑥ Pressure gauge<br/>Blank : No gauge<br/>G : Pressure gauge</p> <p>⑦ Set pressure range<br/>2K : 0.005~0.2 Mpa<br/>4K : 0.01~0.4 Mpa<br/>8K : 0.01~0.8 Mpa</p> |
|---|---|--|

### How to order for 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 for gauge

G33 — 4K

1 2

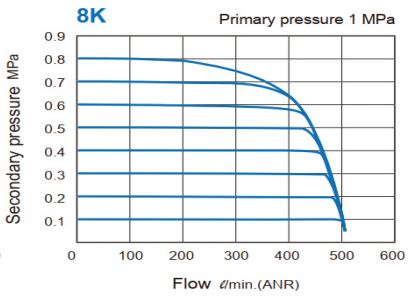
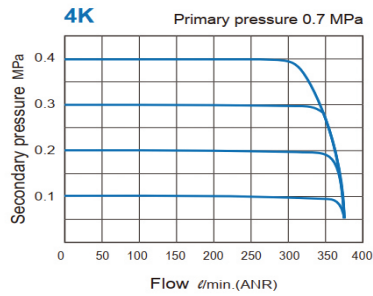
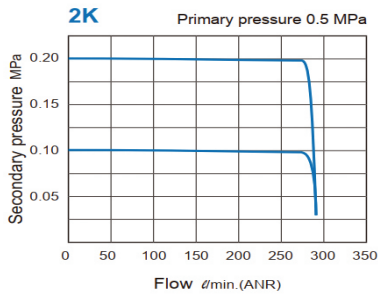
- ① Diameter size  
G33 : Ø33  
G42 : Ø42
- ② Set pressure range  
2K : 0.005~0.2 Mpa  
4K : 0.01~0.4 Mpa  
8K : 0.01~0.8 Mpa

# Precision regulator **PER1~3 Series**

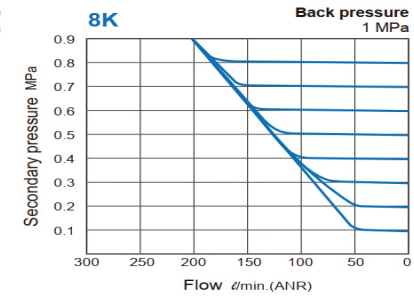
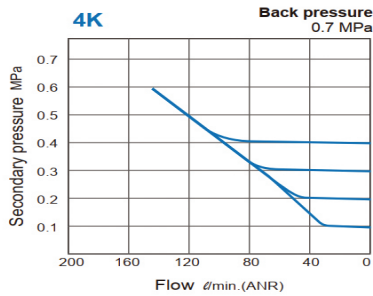
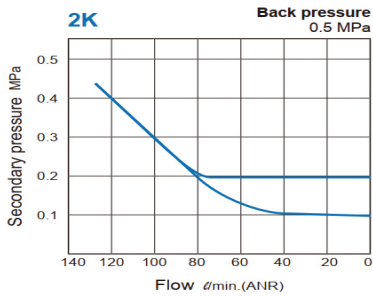
## Specifications

Series	PER1	PER2	PER3		
Port size	1/8	1/4	1/4	3/8	1/2
Fluid	Air	Air	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		
Output pressure range(MPa)	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		
Sensitive	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 and fluid temperature	-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(kg)	150g	300g	875g		

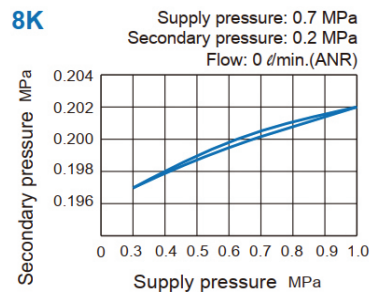
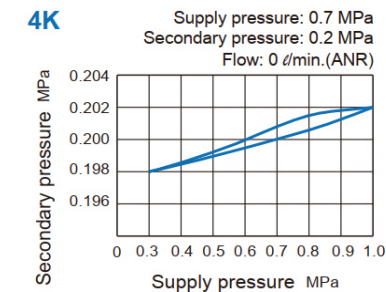
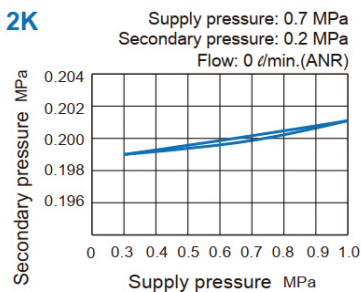
## PER 1 Flow characteristics



## PER 1 Relief characteristics

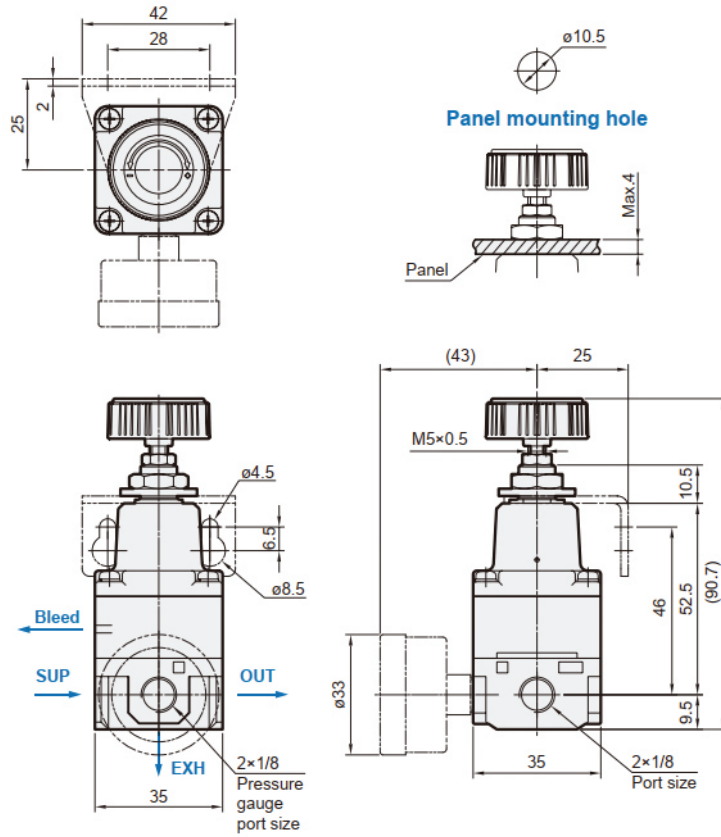


## PER 1 Pressure characteristics

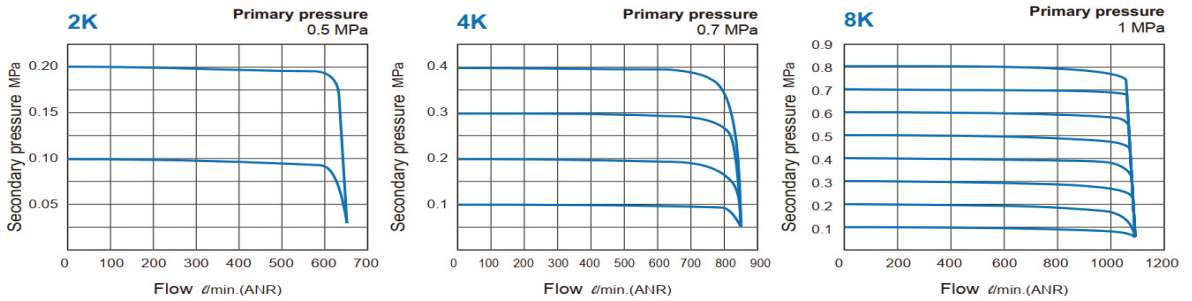


# PER1~3 Series

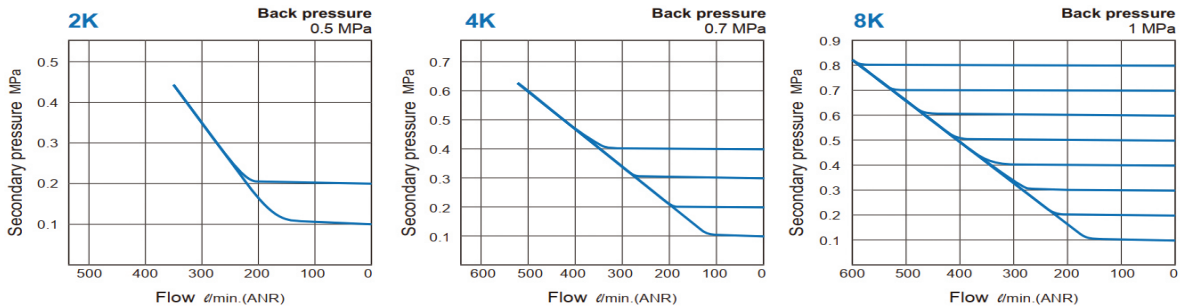
## PER 1 Dimensions



## PER 2 Flow characteristics



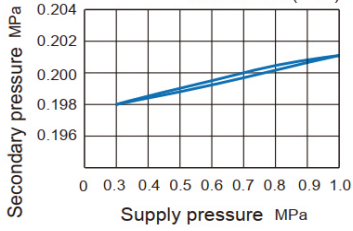
## PER 2 Relief characteristics



## PER 2 Pressure characteristics

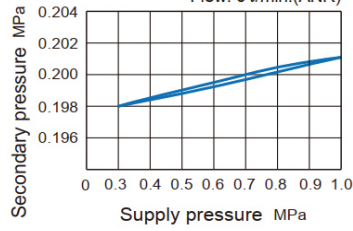
**2K**

Supply pressure: 0.7 MPa  
Secondary pressure: 0.2 MPa  
Flow: 0 l/min.(ANR)



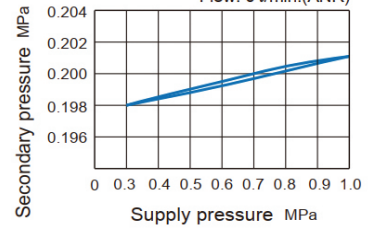
**4K**

Supply pressure: 0.7 MPa  
Secondary pressure: 0.2 MPa  
Flow: 0 l/min.(ANR)

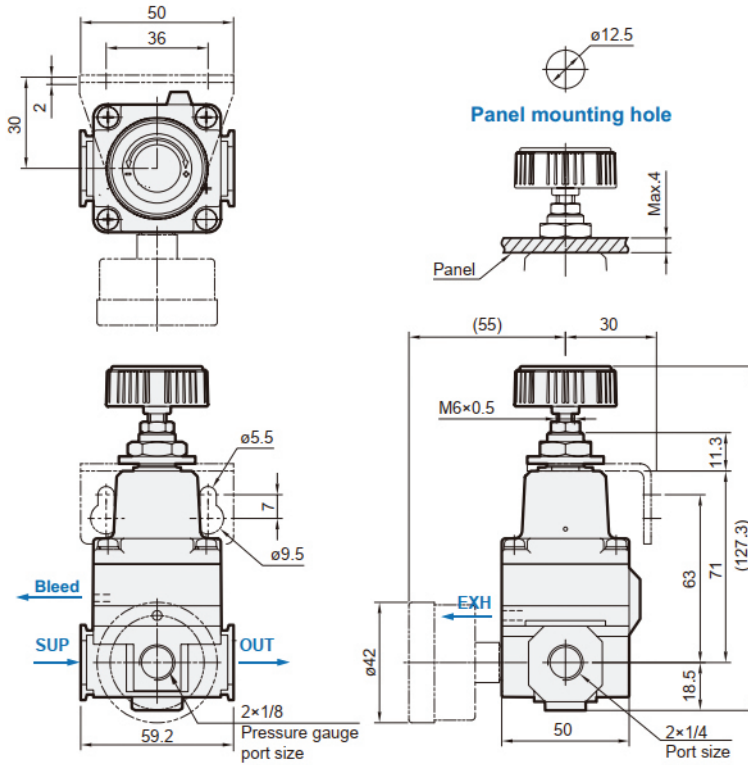


**8K**

Supply pressure: 0.7 MPa  
Secondary pressure: 0.2 MPa  
Flow: 0 l/min.(ANR)



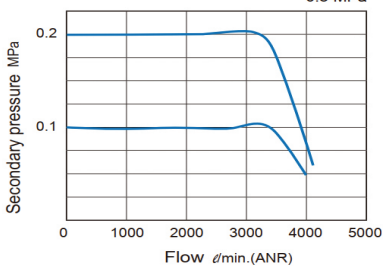
## PER 2 Dimensions



## PER 3 Flow characteristics

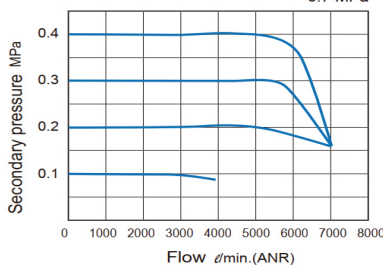
**2K**

Primary pressure: 0.5 MPa



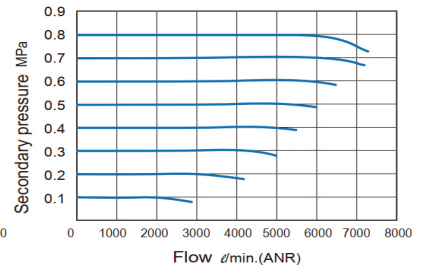
**4K**

Primary pressure: 0.7 MPa



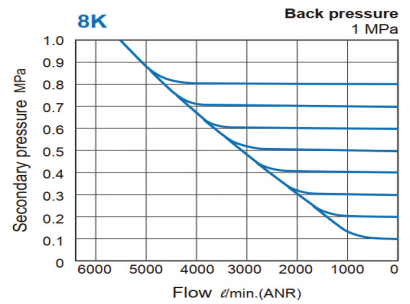
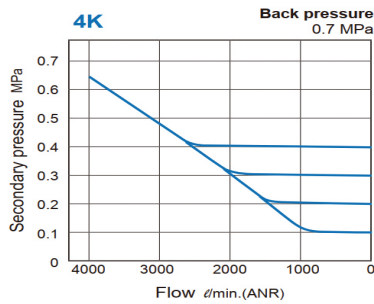
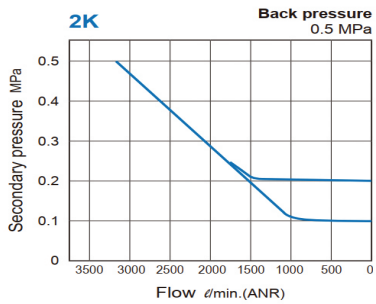
**8K**

Primary pressure: 1 MPa

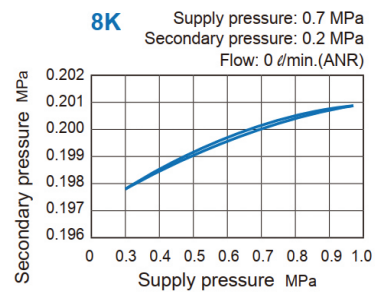
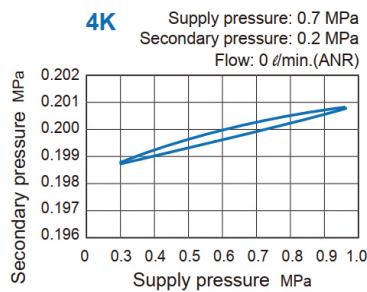
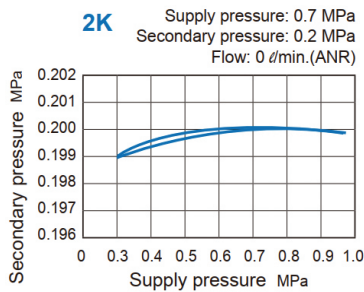


# PER1~3 Series

## PER 3 Relief characteristics



## PER 3 Pressure characteristics



## PER 3 Dimensions

