

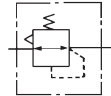
# Precision Pressure Regulator Series PER2000,3000



- Highly accurate pressure regulation
- Start-up stability
- Flow stability
- High relief
- Temperature stability

Model	Port size	Set Pressure Ranges kgf/cm <sup>2</sup>	PSIG	Parts
PER2000	1/8, 1/4	0.1~1.7	2-25	Pressure Gauge
PER2010		0.1~4.1	2-60	
PER2020		0.1~8.3	2-120	
PER2030		0.1~8.3	2-120	
PER3000	1/4, 3/8	0~2.1	0-30	Pressure Gauge, Bracket
PER3010		0.1~4.1	1-60	
PER3020		0.1~10.3	2-150	

Symbol



## How to Order

1 Precision Pressure Regulator

2 Body Size

20 : 1/8, 1/4    30 : 1/4, 3/8

3 Set Pressure Ranges(kgf/cm<sup>2</sup>)(PSI)

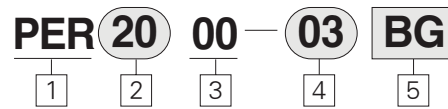
Model	PER2000	PER3000	Note
00	0.1~1.7(1.42~24.18)	0~2.1(0~29.86)	
10	0.1~4.1(1.42~58.3)	0.1~4.1(0~29.86)	
20	0.1~8.3(1.42~118.0)	0.1~10.3(1.42~678.3)	
30	0.1~8.3(1.42~118.0)	-	High emission EXHR

4 Port Size

01 : Rc(PT) 1/8    02 : Rc(PT) 1/4    03 : Rc(PT) 3/8  
 ※ RER2000 Port Size: 1/8, 1/4  
 ※ RER3000 Port Size: 1/4, 3/8

5 Parts

B : Bracket mounting    G : Pressure Gauge  
 ※ For PER2000 Series Bracket, Inquire Separately.



## Specifications

Type	PER2000	PER3000
Port Size Rc(PT)	1/8 1/4	1/4 3/8
Proof Pressure	Please refer to the table of model Specifications	
Max. Operating Pressure	Please refer to the table of model Specifications	
Ambient and Fluid Temperature : °C(°F)	5~60°C (41~140°F)	
Set Pressure Rangeskgf/cm <sup>2</sup> (psi)	0.1~8.3kgf/cm <sup>2</sup> (1.42~118.0psi)	0~10.3kgf/cm <sup>2</sup> (1.42~146.5psi)
Structure	Relief Type	
Gaige Port Size Rc(PT)	1/4 NPT	

## Model Specifications

Description	PER2000	PER2000 EXHR	PER3000-02	PER3000-03
Sensitivity	1/8" (3.2mm) Water Column	1/8" (3.2mm) Water Column	1/4" (6.4mm) Water Column	1/8" (3.2mm) Water Column
Flow Capacity	14CFM/396LPM	14CFM/396LPM	40.50 or 80SCFM(1113,1416,2266LPM)	50SCFM(1416LPM)
Effect of supply Pressure Variation(2psig) on Outlet Pressure	0.005psig/0.3mBAR per 25psig/1.7BAR Change	0.005psig/0.3mBAR per 25psig/1.7BAR Change	(0.025psig/1.7BAR)	-
Exhaust Capacity(5psig above 20psig set point)	25scfm/56LPM	15scfm/424LPM	4SCFM(113LPM)	-
Maximum Input / Supply Pressure	150psig/10.3BAR	150psig/10.3BAR	250psig(17.2BAR)	250psig(17.2BAR)
Effect of Changes in Flow on Regulated Pressure (100psig / 6.9 BAR Supply)	2.5psig 10.01BAR per 10scfm/283LPM	2.5psig 10.01BAR per 10scfm/283LPM	2.5psig(0.2BAR) over flow, 50SCFM(1416LPM)(3/8NPT, 0-30psig/0-2.1BAR range,15psig/1BAR set point)	-
Output Pressure Ranges(Type 70)	2-25, 2-60, 2-120psig 0.14-1.7, 0.14-4.1, 0.14-8.3BAR	2-120psig 0.14-8.3BAR	0-2psig, 0-10psig, 0-30psig, 1-60psig, 2-150psig, 3-200psig, 0-0.1BAR,0-0.7BAR,0-2.1BAR,0.1-4.1BAR,0.1-10.3BAR,0.2-13.8BAR	-
Set Point Ranges(Type 70BP)	-	-	-	0-2psig, 0-10psig, 0-30psig, 0-60psig, 0-150psig, 0-0.1BAR,0-0.78BAR,0-2.1BAR,0-4.1BAR,0-10.3BAR
Total Air Consumption @ Maximum Output			from 1.0 to 12.5SCFH(0.5-6LPM)	-
Temperature Range	-20 to 160° F -29 to 70°c	-20 to 160° F (-29 to 71°c)	-40° to 200° F(-40 to 93°c)	-40° to 200° F(-40 to 93°c)
Port Size	1/8", 1/4", 3/8"	1/8", 1/4", 3/8"	1/4", 3/8", 1/2" NPT, BSPT	1/4", 3/8", 1/2" NPT, BSPT
Size			3.0" x 3.0" x 6.0" (76 x 76 x 152mm)	3.0" x 3.0" x 6.0" (76 x 76 x 152mm)
Weight	1.47 i b(0.67kg)	1.47 i b(0.67kg)	1.41 i b(0.6kg)	1.51 i b(0.6kg)
Materials of Construction	Body : Diecast aluminum with vinyl paint Adjusting Screw : Plated steel Trim : Acetal, brass, plated steel, nitrile Diaphragm : Buna-N with polyester fabric Knob : Phenolic plastic Spring : Music Wire			
Preset Pressure	No			
Tamper Resistant Cover	Yes			
Mounting	Pipe, Panel		Pipe, Panel, or bracket	

- DS3000
- DS5000
- DP300/3000/5000
- DS6000
- DS3000 (Base Ported)
- DX1,2
- DX2R
- DH
- DW
- DM
- DT220/UDT220/DC
- TPC-1000/1200
- PC
- PF
- PR
- PL
- PP
- PFH/PFU
- PLV
- TXF
- PVR/PNR
- PER2000/3000
- TAD
- EP
- EM/EL
- SPSA
- SPS
- SQ
- SC
- SP
- SP4000/SPM
- SP2000
- SN
- SQ2
- SH
- DCH
- SF
- ST
- W1
- W2/W3
- W4/W5
- W6/W7
- Mini Auto Switch