

# PLACKA PRECISION REGULATOR (PPR)



## Product Features

- > High precision , sensitive response.  
Steady output pressure.
- > Large flow rate and steady flow output.
- > Easy installation : Independent installation by bracket ;Bottom installation;
- > Direct installation with existing modular air preparation.
- > High pressure type, medium pressure type and low pressure type optional.

## HOW TO ORDER?

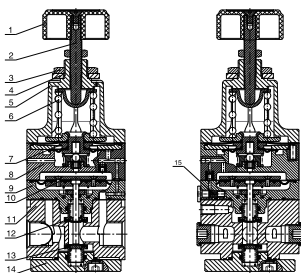
| Series No.                    | Port Size            | Pressure Range                           | Pressure Gauge Code  | Bracket Code                                       | Scale Unit                           | Thread Type                              |
|-------------------------------|----------------------|--|--|--|--------------------------------------|--|
| PAC2000<br>PAC3000<br>PAC4000 | 2000<br>3000<br>4000 | 01:1/8"<br>02:1/4"<br>03:3/8"<br>04:1/2" | L : 0.005 ~ 0.2MPa<br>M: 0.01 ~ 0.4MPa<br>H: 0.01 ~ 0.8MPa | Blank: With pressure gauge<br>N: No pressure gauge | Blank: With bracket<br>J: No bracket | 4: MPa/psi<br>Blank: G<br>P: PT<br>T:NPT |

EPR3000 high precision regulator , 1/4" port, pressure range 0.01 –0.8MPa ,with gauge.with bracket.scale unit MPa/psi,G thread.  
ERP code is EPR3000–02H

## SPECIFICATIONS

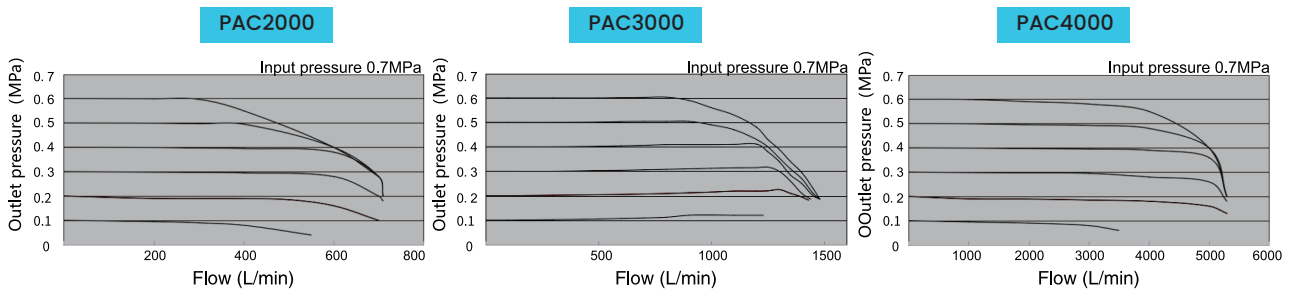
| Model No.                 | EPR2000 01                         | EPR3000 02       | EPR4000 02           | EPR4000 03      | EPR4000 04 |
|---------------------------|------------------------------------|------------------|----------------------|-----------------|------------|
| Working Medium            | Clean air(After 5 g m filtration ) |                  |                      |                 |            |
| Max. Supply Pressure(Mpa) | 1.0                                |                  |                      |                 |            |
| Min. Supply Pressure(Mpa) | Setting pressure+0.05              |                  | Setting pressure+0.1 |                 |            |
| Proof Pressure(Mpa)       | 1.5                                |                  |                      |                 |            |
| Set Pressure              | Low Pressure                       | L:0.005 ~ 0.2MPa |                      | L:0.01 ~ 0.2MPa |            |
|                           | Medium Pressure                    | M:0.01 ~ 0.4MPa  |                      |                 |            |
|                           | High Pressure                      | H:0.01 ~ 0.8MPa  |                      |                 |            |
| Sensitivity               | Within 0.2% of full scale          |                  |                      |                 |            |
| Repeatability             | Within ±0.5% of full scale         |                  |                      |                 |            |
| Air Consumption           | ≤4.4L/min (ANR)                    |                  | ≤11.5L/min (ANR)     |                 |            |
| Port Size                 | 1/8"                               | 1/4"             | 1/4"                 | 3/8"            | 1/2"       |
| Pressure Gauge Port Size  | G1/8(2 locations)                  |                  |                      |                 |            |
| Working Temperature(°C)   | -20~70 ( No freezing )             |                  |                      |                 |            |
| Weight(g)                 | 140                                | 420              | 710                  |                 |            |

## INTERNAL STRUCTURE

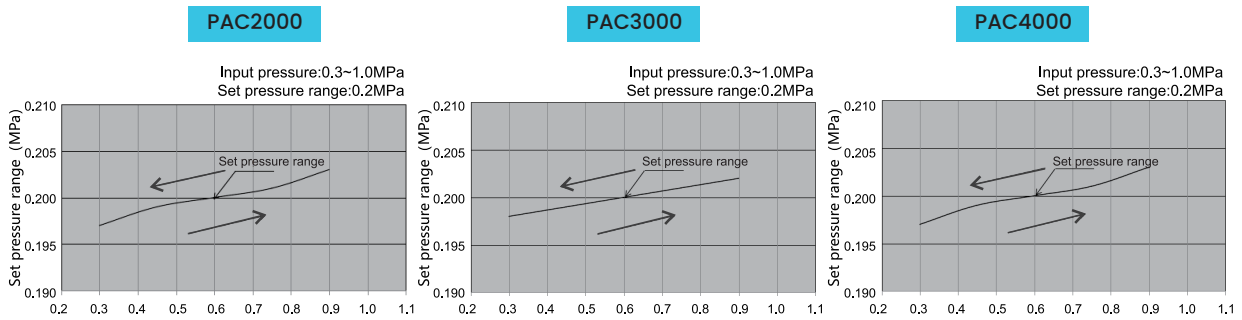


| No. | Part Name               | Material              |
|-----|-------------------------|-----------------------|
| 1   | Pilot regulate button   | Plastic               |
| 2   | Pilot regulate axle     | Carbon steel          |
| 3   | Hex nut                 | Free Machining Steel  |
| 4   | Flat washer             | SPCC                  |
| 5   | Pilot regulate seat     | Aluminum              |
| 6   | Spring                  | Spring steel          |
| 7   | Pilot diaphragm assy    | Assy                  |
| 8   | Nozzle                  | Aluminum              |
| 9   | Middle valve body       | Aluminum              |
| 10  | Main regulate diaphragm | Assy                  |
| 11  | Main valve body         | Aluminum              |
| 12  | Exhaust valve core      | Assy                  |
| 13  | Inlet valve core        | Assy                  |
| 14  | Bottom cover            | Aluminum              |
| 15  | Filter element          | High polymer material |

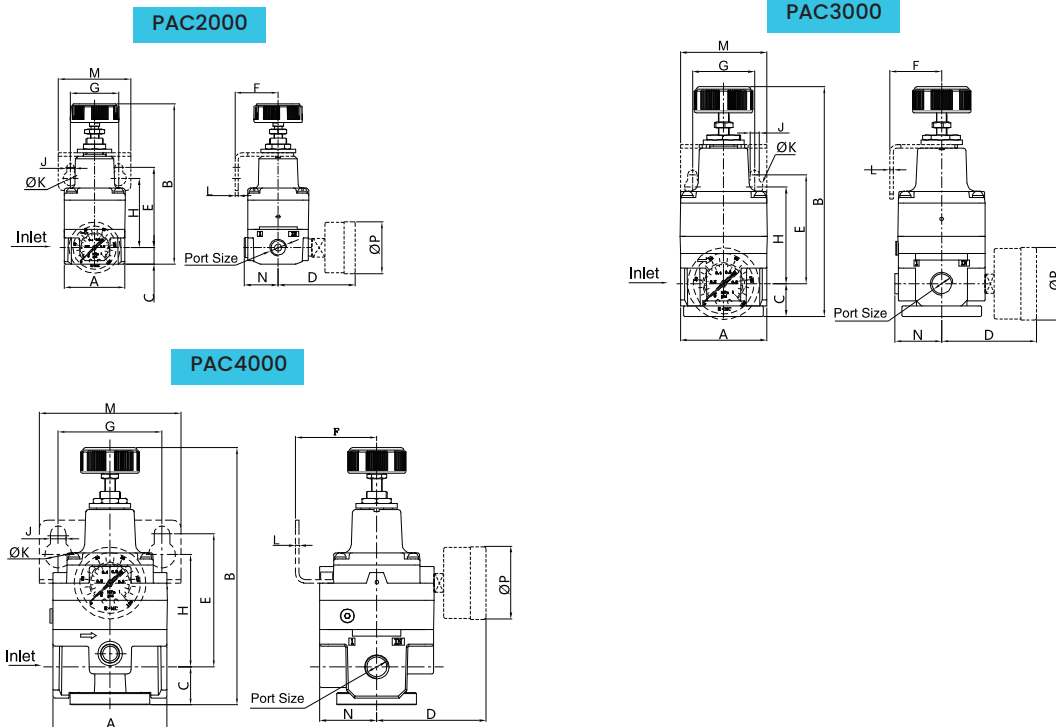
# FLOW CHART



# PRESSURE CHARACTERISTIC DIAGRAM



# MAIN DIMENSION



| Model   | Port Size        | A  | B   | C   | D    | E    | F  | G  | H  | J   | K    | L | M  | N    | P  |
|---------|------------------|----|-----|-----|------|------|----|----|----|-----|------|---|----|------|----|
| PAC2000 | 1/8"             | 35 | 93  | 9.5 | 44.5 | 46.5 | 25 | 28 | 40 | 4.5 | 8.5  | 2 | 42 | 19.5 | 30 |
| PAC3000 | 1/4"             | 50 | 133 | 19  | 55   | 63   | 30 | 36 | 56 | 5.5 | 9.5  | 2 | 50 | 27   | 42 |
| PAC4000 | 1/4", 3/8", 1/2" | 66 | 149 | 22  | 63.5 | 77   | 47 | 60 | 65 | 9   | 15.5 | 2 | 82 | 33   | 42 |