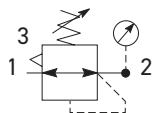
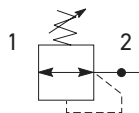


## P32 Regulators – Compact

- Integral 1/4", 3/8" or 1/2" ports (NPT & BSPP)
- Robust but lightweight aluminum construction
- Secondary pressure ranges
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Relieving & non-relieving types
- Regulator will reverse flow as standard
- Non-rising knob
- Available T-handle



Self relieving regulator  
with gauge



Non-relieving regulator

| Port Size | Description (relieving) | Gauge | Part Number        |
|-----------|-------------------------|-------|--------------------|
| 1/4"      | 125 psig (8 bar)        | None  | <b>P32RB12BNGP</b> |
| 3/8"      | 125 psig (8 bar)        | None  | <b>P32RB13BNGP</b> |
| 1/2"      | 125 psig (8 bar)        | None  | <b>P32RB14BNGP</b> |

### Operating Information

|                                                                                                                 |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Flow capacity*:                                                                                                 |                                                                                     |
| 1/4                                                                                                             | 148 scfm (70 dm <sup>3</sup> /s, ANR)                                               |
| 3/8, 1/2                                                                                                        | 165 scfm (78 dm <sup>3</sup> /s, ANR)                                               |
| Operating temperature:                                                                                          | -13°F to 150°F (-25°C to 65.5°C)                                                    |
| Supply pressure (max):                                                                                          | 300 psig (20 bar)                                                                   |
| Adjusting range pressure:                                                                                       | 30 psig (0-2 bar)<br>60 psig (0-4 bar)<br>125 psig (0-8 bar)<br>250 psig (0-17 bar) |
| Gauge port (2 each)                                                                                             | 1/4 NPT, BSPP, BSPT                                                                 |
| Weight:                                                                                                         | 0.90 lb (0.41 kg)                                                                   |
| * Inlet pressure 145 psig (10 bar). Secondary pressure 91.3 psig (6.3 bar) and 14.5 psig (1 bar) pressure drop. |                                                                                     |

### Ordering Information:

|                                     |  |                                |   |                                                                                                                     |   |   |   |
|-------------------------------------|--|--------------------------------|---|---------------------------------------------------------------------------------------------------------------------|---|---|---|
| P32RB                               |  | 1                              | 4 | B                                                                                                                   | N | G | P |
| Basic Series                        |  | Thread Type                    |   | Mounting                                                                                                            |   |   |   |
| Global Modular<br>Compact Regulator |  | BSPP 1<br>NPT 9                |   | P Plastic Panel Mount Nut                                                                                           |   |   |   |
| P32RB                               |  |                                |   |                                                                                                                     |   |   |   |
|                                     |  | Port Size                      |   |                                                                                                                     |   |   |   |
|                                     |  | 1/4 2<br>3/8 3<br>1/2 4        |   |                                                                                                                     |   |   |   |
|                                     |  | Relief                         |   |                                                                                                                     |   |   |   |
|                                     |  | Relieving B<br>Non-Relieving N |   |                                                                                                                     |   |   |   |
|                                     |  |                                |   | Adjustment                                                                                                          |   |   |   |
|                                     |  |                                |   | N Non-Rising Knob<br>T T-Handle                                                                                     |   |   |   |
|                                     |  |                                |   | Adjustment Range                                                                                                    |   |   |   |
|                                     |  |                                |   | With Round Gauge                                                                                                    |   |   |   |
|                                     |  |                                |   | Z 30 psig; 2 bar; 0.2 MPa<br>M 60 psig; 4 bar; 0.4 MPa<br>G 125 psig; 8 bar; 0.8 MPa<br>J 250 psig; 17 bar; 1.7 MPa |   |   |   |
|                                     |  |                                |   | Without Gauge                                                                                                       |   |   |   |
|                                     |  |                                |   | Y 30 psig; 2 bar; 0.2 MPa<br>L 60 psig; 4 bar; 0.4 MPa<br>N 125 psig; 8 bar; 0.8 MPa<br>H 250 psig; 17 bar; 1.7 MPa |   |   |   |
|                                     |  |                                |   | * Regulator comes with gauge respective to the adjustment range selected.                                           |   |   |   |

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## Material Specifications

|                    |                        |
|--------------------|------------------------|
| Body               | Aluminum               |
| Adjustment knob    | Acetal                 |
| Bonnet             | Glass-filled nylon     |
| Diaphragm assembly | Nitrile / Zinc         |
| Valve assembly     | Brass / Nitrile        |
| Springs            | Steel, stainless steel |
| Seals              | Nitrile                |
| Panel nut          | Acetal                 |

## Repair and Service Kits

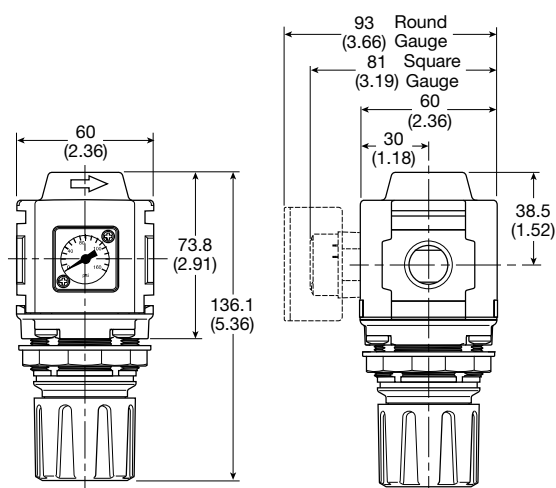
|                                        |                  |
|----------------------------------------|------------------|
| Panel mount nut - aluminum             | <b>P32KA00MM</b> |
| Panel mount nut - plastic              | <b>P32KA00MP</b> |
| Angle bracket (attaches via panel nut) | <b>P32KB00MR</b> |
| T-bracket with body connector          | <b>P32KA00MT</b> |
| T-bracket                              | <b>P32KA00MB</b> |
| Body connector                         | <b>P32KA00CB</b> |

**WARNING**

**Product rupture can cause serious injury.  
Do not connect regulator to bottled gas.  
Do not exceed Maximum primary pressure rating.**

**CAUTION:**

**REGULATOR PRESSURE ADJUSTMENT** – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design. For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

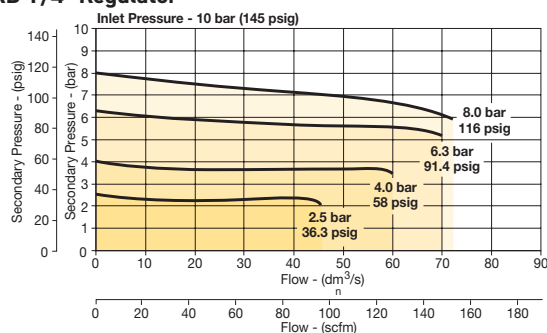


mm (Inches)

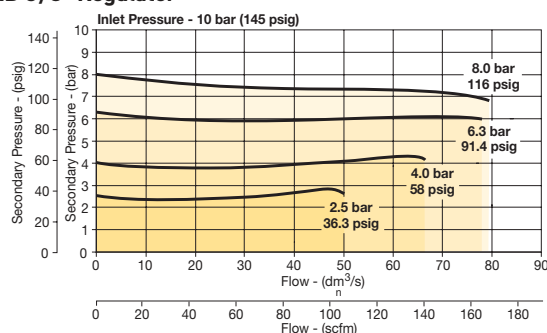
**NOTE:** 1.90 in. (48mm) hole required for panel nut mounting.

## Flow Charts

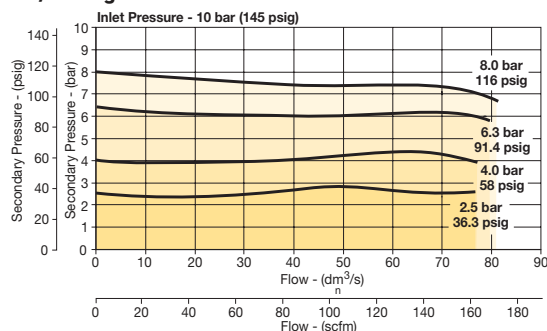
## P32RB 1/4" Regulator



## P32RB 3/8" Regulator



## P32RB 1/2" Regulator



## Gauges

|                  |                       |                    |
|------------------|-----------------------|--------------------|
| 50mm (2") round  | 0-60 psig / 0-4 bar   | <b>P6G-ERB2040</b> |
| 1/4" center back | 0-160 psig / 0-14 bar | <b>P6G-ERB2140</b> |
| mount            | 0-300 psig / 0-20 bar | <b>P6G-ERB2200</b> |

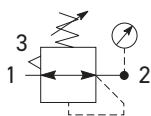
For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

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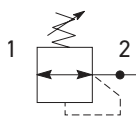


## P32 Common - P1 Regulator – Compact

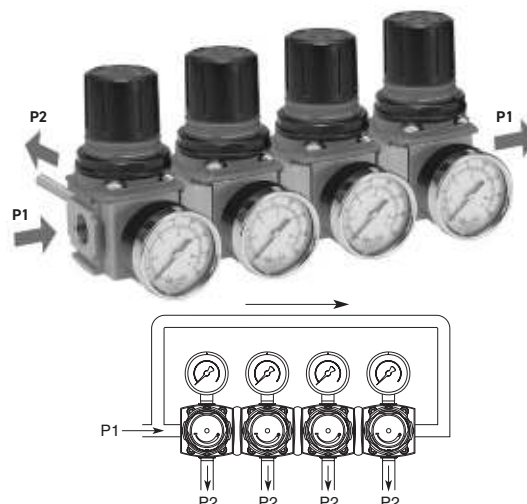
- Manifold style regulator with line pressure on both sides.
- Pressure output is at front or rear.
- Inlet ports 1/4", 3/8" or 1/2" (NPT & BSPP)
- Working port 1/4"
- Robust construction
- Secondary pressure ranges
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Relieving & non-relieving types
- Regulator will reverse flow as standard
- Non-rising knob



Self relieving regulator with gauge



Non-relieving regulator



### Operating Information

|                           |               |                                                                                                                     |
|---------------------------|---------------|---------------------------------------------------------------------------------------------------------------------|
| Flow capacity*:           | 1/4, 3/8, 1/2 | 64 scfm (30 dm <sup>3</sup> /s, ANR)                                                                                |
| Operating temperature:    |               | -25°C to 65.5°C (-13°F to 150°F)                                                                                    |
| Supply pressure (max):    |               | 300 psig (20 bar)                                                                                                   |
| Adjusting range pressure: |               | 0 to 30 psig (0 to 2 bar)<br>0 to 60 psig (0 to 4 bar)<br>0 to 125 psig (0 to 8 bar)<br>0 to 232 psig (0 to 16 bar) |
| Gauge port (2 each):      |               | 1/4 NPT, BSPP, BSPT                                                                                                 |
| Weight:                   |               | 0.50 lb (0.23 kg)                                                                                                   |

\* Inlet pressure 145 psig (10 bar). Secondary pressure 91.3 psig (6.3 bar) and 14.5 psig (1 bar) pressure drop.

| Port Size | Description (relieving) | Gauge | Part Number        |
|-----------|-------------------------|-------|--------------------|
| 1/4"      | 125 psig (8 bar)        | None  | <b>P32HB12BNNP</b> |
| 3/8"      | 125 psig (8 bar)        | None  | <b>P32HB13BNNP</b> |
| 1/2"      | 125 psig (8 bar)        | None  | <b>P32HB14BNNP</b> |

### Ordering Information:

|                                  |  |                         |          |                             |          |          |          |
|----------------------------------|--|-------------------------|----------|-----------------------------|----------|----------|----------|
| <b>P32HB</b>                     |  | <b>1</b>                | <b>4</b> | <b>B</b>                    | <b>N</b> | <b>N</b> | <b>P</b> |
| <b>Basic Series</b>              |  | <b>Thread Type</b>      |          | <b>Mounting</b>             |          |          |          |
| Global Modular Compact Regulator |  | BSPP 1<br>NPT 9         |          | P Plastic Panel Mount Nut   |          |          |          |
|                                  |  | <b>Port Size †</b>      |          | <b>Adjustment Range</b>     |          |          |          |
|                                  |  | 1/4 2<br>3/8 3<br>1/2 4 |          | <b>With Round Gauge</b>     |          |          |          |
|                                  |  | † Working port 1/4".    |          | Z 30 psig; 2 bar; 0.2 MPa   |          |          |          |
|                                  |  |                         |          | M 60 psig; 4 bar; 0.4 MPa   |          |          |          |
|                                  |  |                         |          | G 125 psig; 8 bar; 0.8 MPa  |          |          |          |
|                                  |  |                         |          | J 250 psig; 17 bar; 1.7 MPa |          |          |          |
|                                  |  |                         |          | <b>Without Gauge</b>        |          |          |          |
|                                  |  |                         |          | Y 30 psig; 2 bar; 0.2 MPa   |          |          |          |
|                                  |  |                         |          | L 60 psig; 4 bar; 0.4 MPa   |          |          |          |
|                                  |  |                         |          | N 125 psig; 8 bar; 0.8 MPa  |          |          |          |
|                                  |  |                         |          | H 250 psig; 17 bar; 1.7 MPa |          |          |          |
|                                  |  |                         |          | <b>Adjustment</b>           |          |          |          |
|                                  |  |                         |          | N Non-Rising Knob           |          |          |          |
|                                  |  |                         |          | T T-Handle                  |          |          |          |

\* Regulator comes with gauge respective to the adjustment range selected.

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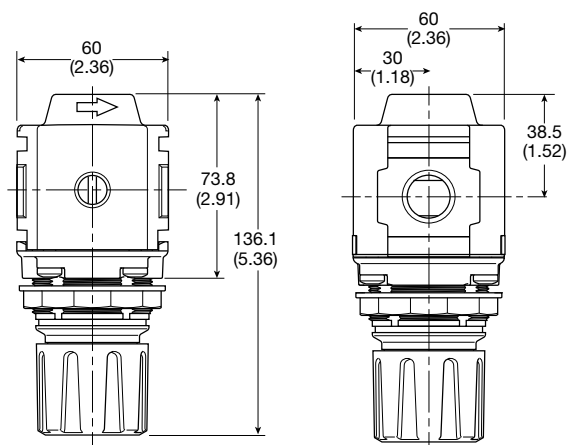


## Material Specifications

|                                   |                        |
|-----------------------------------|------------------------|
| Body                              | Aluminum               |
| Adjustment knob                   | Acetal                 |
| Bonnet                            | Glass-filled nylon     |
| Diaphragm assembly Nitrile / zinc |                        |
| Valve assembly                    | Brass / nitrile        |
| Springs                           | Steel, stainless steel |
| Seals                             | Nitrile                |
| Panel nut                         | Acetal                 |

## Repair and Service Kits

|                                        |                  |
|----------------------------------------|------------------|
| Panel mount nut - aluminum             | <b>P32KA00MM</b> |
| Panel mount nut - plastic              | <b>P32KA00MP</b> |
| Angle bracket (attaches via panel nut) | <b>P32KB00MR</b> |
| T-bracket with body connector          | <b>P32KA00MT</b> |
| T-bracket                              | <b>P32KA00MB</b> |
| Body connector                         | <b>P32KA00CB</b> |

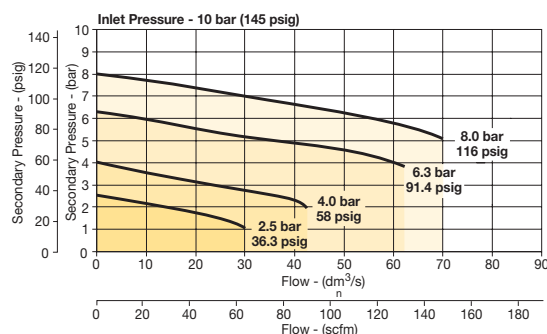


mm (Inches)

**NOTE:** 1.90 in. (48mm) hole required for panel nut mounting.

## Flow Charts

## P32HB Common Port Regulator

**WARNING**

**Product rupture can cause serious injury.  
Do not connect regulator to bottled gas.  
Do not exceed Maximum primary pressure rating.**

**CAUTION:**

**REGULATOR PRESSURE ADJUSTMENT** – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design. For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

## Gauges

|                        |                       |                    |
|------------------------|-----------------------|--------------------|
| 50mm (2") round        | 0-60 psig / 0-4 bar   | <b>P6G-ERB2040</b> |
| 1/4" center back mount | 0-160 psig / 0-14 bar | <b>P6G-ERB2140</b> |
|                        | 0-300 psig / 0-20 bar | <b>P6G-ERB2200</b> |

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

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