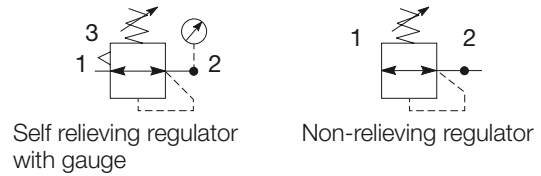


**Compact Regulator – P32**



**Symbols**



- Integral 1/4", 3/8" or 1/2" ports (NPT, BSPP & BSPT)
- Robust but lightweight aluminum construction
- Secondary pressure ranges 0-2 bar (0-30 psig), 0-4 bar (0-60 psig), 0-8 bar (0-125 psig), 0-17 bar (0-250 psig)
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation
- Relieving & Non-relieving types
- Non-rising knob

**Options:**

<b>P32RB</b>		<b>9</b>	<b>2</b>	<b>B</b>	<b>N</b>	<b>N</b>	<b>P</b>
<b>Basic series</b>		<b>Thread type</b>		<b>Port size</b>		<b>Mounting</b>	
Global modular compact regulator <b>P32RB</b>		BSPP <b>1</b>	BSPT 2	1/4" <b>2</b>	P Plastic panel mount nut		
		NPT 9		3/8" <b>3</b>			
				1/2" <b>4</b>			
		<b>Relief</b>					
		Relieving <b>B</b>					
		Non-relieving <b>N</b>					
		Note: Regulators will reverse flow as standard.					
				<b>Adjustment</b>		<b>Adjustment range</b>	
				N Non-rising knob		With square gauge	
				T T-Handle		With round gauge	
						Z 2 bar; 30 psig; 0.2 MPa	
						M 4 bar; 60 psig; 0.4 MPa	
						G 8 bar; 125 psig; 0.8 MPa	
						J 17 bar; 250 psig; 1.7 MPa	
						Without gauge	
						Y 2 bar; 30 psig; 0.2 MPa	
						L 4 bar; 60 psig; 0.4 MPa	
						N 8 bar; 125 psig; 0.8 MPa	
						H 17 bar; 250 psig; 1.7 MPa	

\* Unit comes with 0-4 bar or 0-60 psig gauge respectively.

**Bold items are most common.**

Port size	Description	Flow† dm <sup>3</sup> /s (scfm)	Max. bar (psig)	Height mm (inches)	Width mm (inches)	Depth mm (inches)	Part number‡
1/4"	8 bar (125 psig) relieving	70 (148)	20 (300)	136 (5.4)	60 (2.36)	60 (2.36)	<b>P32RB92BNNP</b>
1/4"	8 bar (125 psig) relieving + gauge	70 (148)	20 (300)	136 (5.4)	60 (2.36)	93 (3.66)	<b>P32RB92BNGP</b>
3/8"	8 bar (125 psig) relieving	78 (165)	20 (300)	136 (5.4)	60 (2.36)	60 (2.36)	<b>P32RB93BNNP</b>
3/8"	8 bar (125 psig) relieving + gauge	78 (165)	20 (300)	136 (5.4)	60 (2.36)	93 (3.66)	<b>P32RB93BNGP</b>
1/2"	8 bar (125 psig) relieving	78 (165)	20 (300)	136 (5.4)	60 (2.36)	60 (2.36)	<b>P32RB94BNNP</b>
1/2"	8 bar (125 psig) relieving + gauge	78 (165)	20 (300)	136 (5.4)	60 (2.36)	93 (3.66)	<b>P32RB94BNGP</b>

† Standard part numbers shown in bold. For other models refer to Options chart above.  
 ‡ Flow with 10 bar (145 psig) inlet pressure, 6.3 bar (91.3 psig) set pressure and 1 bar (14.5 psig) pressure drop.

**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.

<b>WARNING</b>
<b>Product rupture can cause serious injury.                  Do not connect regulator to bottled gas.                  Do not exceed Maximum primary pressure rating.</b>



**Specifications**

Flow capacity*	1/4	70 dm <sup>3</sup> /s (148 scfm)
	3/8	78 dm <sup>3</sup> /s (165 scfm)
	1/2	78 dm <sup>3</sup> /s (165 scfm)
Operating temperature	-25°C to 65.5°C (-13°F to 150°F)	
Max. supply pressure	20 bar (300 psig)	
Adjusting range pressure	0-2 bar (30 psig) 0-4 bar (60 psig) 0-8 bar (125 psig) 0-17 bar (250 psig)	
Port size	BSPP / BSPT / NPT	1/4, 3/8, 1/2
Gauge port (2 ea.)	BSPP / BSPT / NPT	1/4
Weight	0.41 kg (0.90 lbs)	

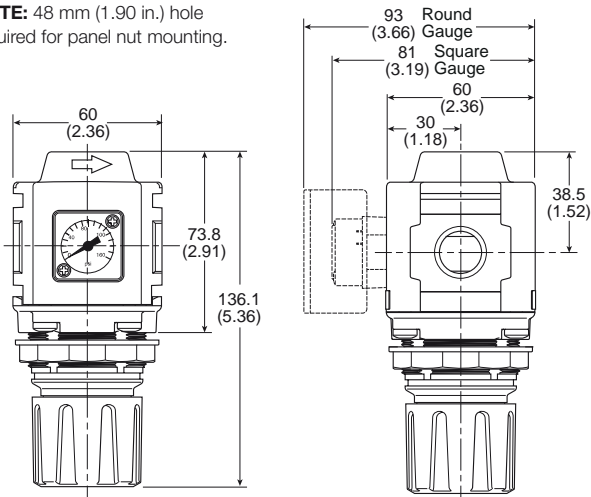
\* Inlet pressure 10 bar (145 psig). Secondary pressure 6.3 bar (91.3 psig).

**Material Specifications**

Body	Aluminum	
Adjustment knob	Acetal	
Bonnet	33% Glass-filled nylon	
Diaphragm assembly	Nitrile / Zinc	
Valve assembly	Brass / Nitrile	
Springs	Main regulating valve	Steel S.S.
Seals	Nitrile	
Panel nut	Acetal	

**Dimensions mm (inches)**

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

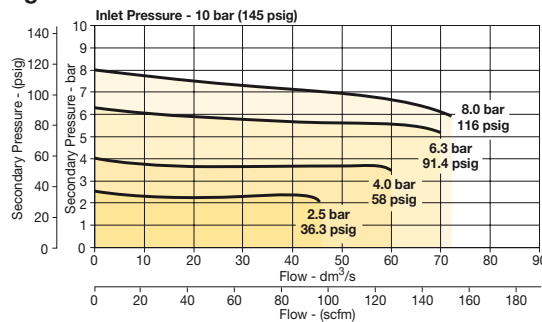


**Repair and Service Kits**

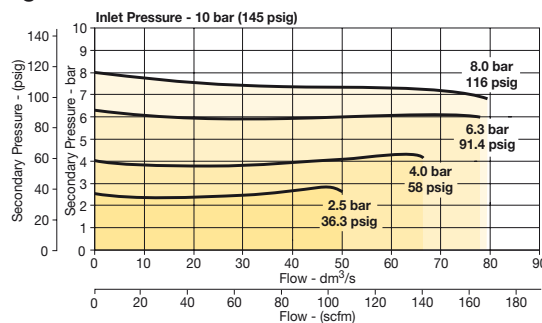
Regulator repair kit - relieving	<b>P32KB00RB</b>
Regulator repair kit - non-relieving	<b>P32KB00RC</b>
Panel mount nut - aluminum	<b>P32KA00MM</b>
Panel mount nut - plastic	<b>P32KA00MP</b>
Angle bracket (attaches via panel nut)	<b>P32KB00MR</b>
T-bracket with body connector	<b>P32KA00MT</b>
T-bracket	<b>P32KA00MB</b>
Body connector	<b>P32KA00CB</b>

**Flow Charts**

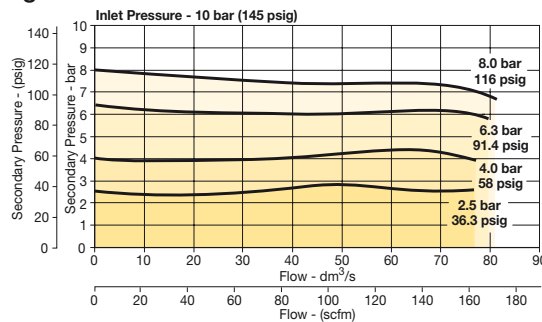
**1/4 Regulator**



**3/8 Regulator**



**1/2 Regulator**



**Gauges**

**50mm (2") Round 1/4" center back mount**

0-30 psig / 0-2 bar	<b>K4520N14030</b>
0-60 psig / 0-4 bar	<b>K4520N14060</b>
0-160 psig / 0-11 bar	<b>K4520N14160</b>
0-300 psig / 0-20 bar	<b>K4520N14300</b>

**Square flush mount gauge**

0-4 bar	<b>K4511SCR04B</b>
0-11 bar	<b>K4511SCR11B</b>
0-60 psig	<b>K4511SCR060</b>
0-160 psig	<b>K4511SCR160</b>

**Square with adapter kit**

0-4 bar	<b>P6G-PR10040</b>
0-11 bar	<b>P6G-PR10110</b>
0-60 psig	<b>P6G-PR90060</b>
0-160 psig	<b>P6G-PR90160</b>

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