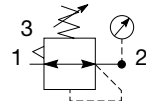


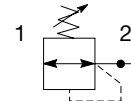
Compact Regulator – P32



Symbols



Self relieving regulator with gauge



Non relieving regulator with gauge

- Integral 1/4", 3/8" or 1/2" ports (NPT & BSPP)
- 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:

P32RB [] [] [] **N** [] **P**

Basic series	Thread type	Mounting
Global modular compact regulator P32RB	BSPP 1 NPT 9	P Plastic panel mount nut

Port size	
1/4 2	
3/8 3	
1/2 4	

Relief	
Relieving B	
Non-relieving N	

Note: Regulators will reverse flow as standard.

Adjustment range	
With square gauge	With round gauge
psig	bar
1 = 30*	V = 2*
3 = 60	S = 4
5 = 125	T = 8

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

Bold items are most common.

Port size	Description	Flow† dm ³ /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)	P32RB12BNNP
1/4"	8 bar (125 psig) relieving + gauge	70 (148)	20 (300)	136 (5.4)	60 (2.36)	93 (3.66)	P32RB12BNGP
3/8"	8 bar (125 psig) relieving	78 (165)	20 (300)	136 (5.4)	60 (2.36)	60 (2.36)	P32RB13BNNP
3/8"	8 bar (125 psig) relieving + gauge	78 (165)	20 (300)	136 (5.4)	60 (2.36)	93 (3.66)	P32RB13BNGP
1/2"	8 bar (125 psig) relieving	78 (165)	20 (300)	136 (5.4)	60 (2.36)	60 (2.36)	P32RB14BNNP
1/2"	8 bar (125 psig) relieving + gauge	78 (165)	20 (300)	136 (5.4)	60 (2.36)	93 (3.66)	P32RB14BNGP

† 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.

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



Specifications

Flow capacity*	1/4	70 dm ³ /s (148 scfm)
	3/8	78 dm ³ /s (165 scfm)
	1/2	78 dm ³ /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 / NPT	1/4, 3/8, 1/2
Gauge port (2 ea.)	BSPP / NPT	1/4
Weight	0.41 kg (0.90 lbs)	

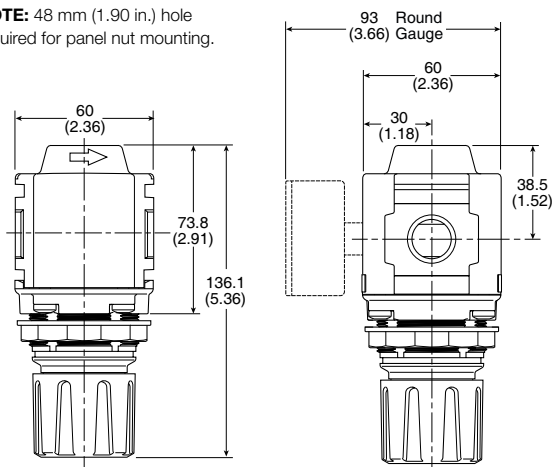
* Inlet pressure 10 bar (145 psig). Secondary pressure 6.3 bar (91.3 psig).

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.

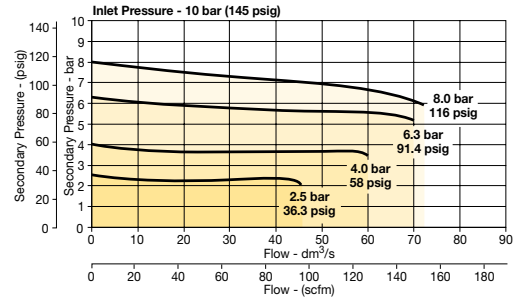


Repair and Service Kits

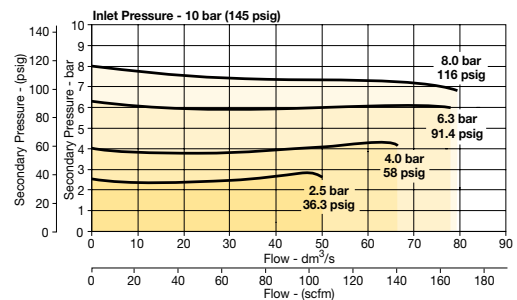
Panel mount nut - aluminum	P32KA00MM
Panel mount nut - plastic	P32KA00MP
Angle bracket (attaches via panel nut)	P32KB00MR
T-bracket with body connector	P32KA00MT
T-bracket	P32KA00MB
Body connector	P32KA00CB

Flow Charts

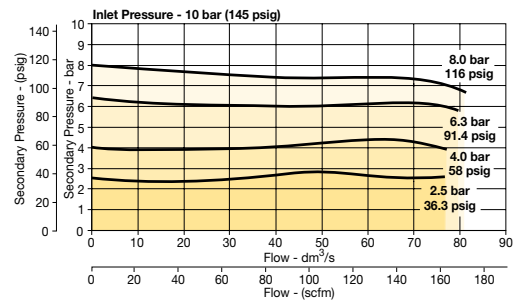
1/4 Regulator



3/8 Regulator



1/2 Regulator



Gauges

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

0-60 psig / 0-4 bar	P6G-ERB2040
0-160 psig / 0-11 bar	P6G-ERB2110
0-300 psig / 0-20 bar	P6G-ERB2200

Square flush mount gauge

0-4 bar	K4511SCR04B
0-11 bar	K4511SCR11B
0-60 psig	K4511SCR060
0-160 psig	K4511SCR160

Square with adapter kit

0-4 bar	P6G-PR10040
0-11 bar	P6G-PR10110
0-60 psig	P6G-PR90060
0-160 psig	P6G-PR90160

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