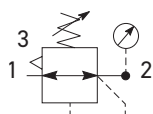
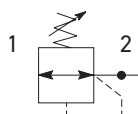


P32 Regulators – Compact

- Integral 1/4", 3/8" or 1/2" ports (NPT, BSPP & BSPT)
- 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	P32RB12BNNP
3/8"	125 psig (8 bar)	None	P32RB13BNNP
1/2"	125 psig (8 bar)	None	P32RB14BNNP

Operating Information

Flow capacity*:	
1/4	148 scfm (70 dm ³ /s, ANR)
3/8, 1/2	165 scfm (78 dm ³ /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)	
60 psig (0-4 bar)	
125 psig (0-8 bar)	
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	3	B	N	G	P
Basic Series		Thread Type		Mounting			
Global Modular Compact Regulator		BSPP 1		P Plastic Panel Mount Nut			
		BSPT 2					
		NPT 9					
		Port Size					
		1/4 2					
		3/8 3					
		1/2 4					
		Relief					
		Relieving B					
		Non-Relieving N					
				Adjustment Range			
				With Square Gauge		With Round Gauge	
				psig	bar	Z	30 psig; 2 bar; 0.2 MPa
				1 = 30*	V = 2*	M	60 psig; 4 bar; 0.4 MPa
				3 = 60	S = 4	G	125 psig; 8 bar; 0.8 MPa
				5 = 125	T = 8	J	250 psig; 17 bar; 1.7 MPa
				* Regulator comes with gauge respective to the adjustment range selected.			
				Adjustment			
				N Non-Rising Knob			
				T T-Handle			
				Without Gauge			
				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			

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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

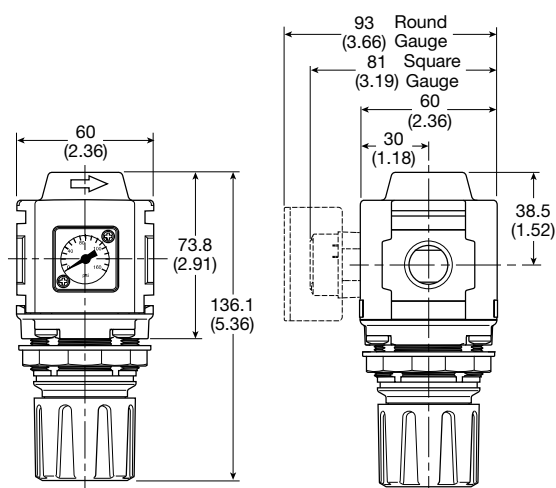
Diaphragm repair kit - relieving	P32KB00RB
Diaphragm repair kit - non-relieving	P32KB00RC
Panel mount nut - aluminum	P32KA00MM
Panel mount nut - plastic	P32KA00MP
Angle bracket (attaches via panel nut)	P32KB00MR
T-bracket with body connector	P32KA00MT
T-bracket	P32KA00MB
Body connector	P32KA00CB

**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.

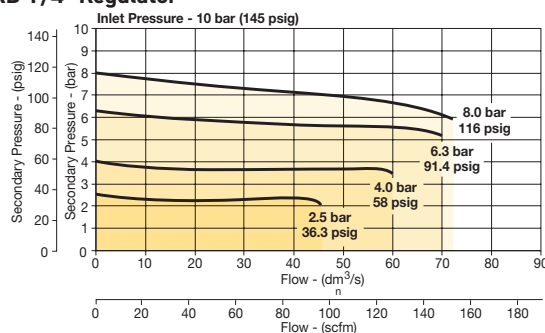


mm (Inches)

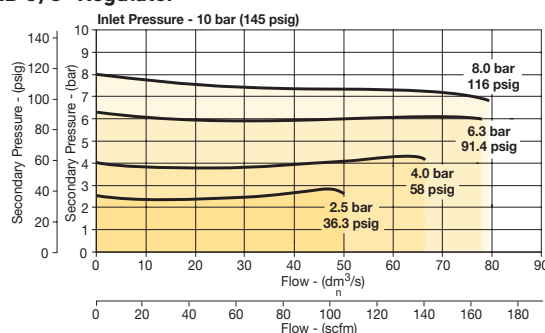
NOTE: 1.90 in. (48mm) hole required for panel nut mounting.

Flow Charts

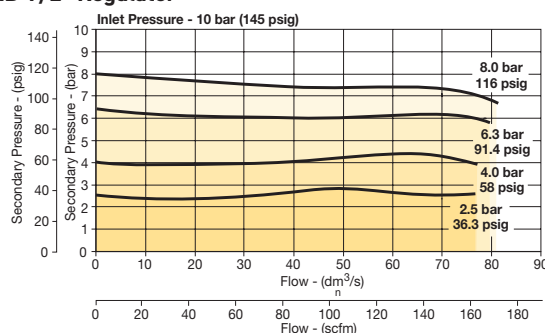
P32RB 1/4" Regulator



P32RB 3/8" Regulator



P32RB 1/2" Regulator



Gauges

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
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

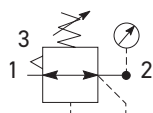
For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.

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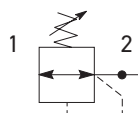


P32 Semi-Precision Regulator – Compact

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



Self relieving regulator with gauge



Non-relieving regulator

Port Size	Description (relieving)	Gauge	Part Number
1/4"	125 psig (8 bar)	None	P32RB12PNNP
3/8"	125 psig (8 bar)	None	P32RB13PNNP
1/2"	125 psig (8 bar)	None	P32RB14PNNP

Operating Information

Flow capacity*:	53 scfm (25 dm ³ /s, ANR)
Effect of supply pressure variation	0.6 psig (0.04 bar) for 25 psig (1.7 bar) change in P1
Operating temperature:	-13°F to 150°F (-25°C to 65.5°C)
Supply pressure (max):	300 psig (20 bar)
Adjusting range pressure:	0 to 30 psig (0 to 2 bar) 0 to 60 psig (0 to 4 bar) 0 to 125 psig (0 to 8 bar) 0 to 250 psig (0 to 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	3	P	N	G	P
Basic Series		Thread Type		Mounting			
Global Modular Compact Regulator		BSPP 1 BSPT 2 NPT 9		P Plastic Panel Mount Nut			
		Port Size		Adjustment Range			
		1/4 2 3/8 3 1/2 4		With Square Gauge		With Round Gauge	
				psig	bar	Z	30 psig; 2 bar; 0.2 MPa
				1 = 30*	V = 2*	M	60 psig; 4 bar; 0.4 MPa
				3 = 60	S = 4	G	125 psig; 8 bar; 0.8 MPa
				5 = 125	T = 8	J	250 psig; 17 bar; 1.7 MPa
				* Regulator comes with gauge respective to the adjustment range selected.			
		Relief		Adjustment			
		Semi-Precision Relieving P Semi-Precision Non-Relieving T		N Non-Rising Knob T T-Handle			
				Without Gauge			
						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

* 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

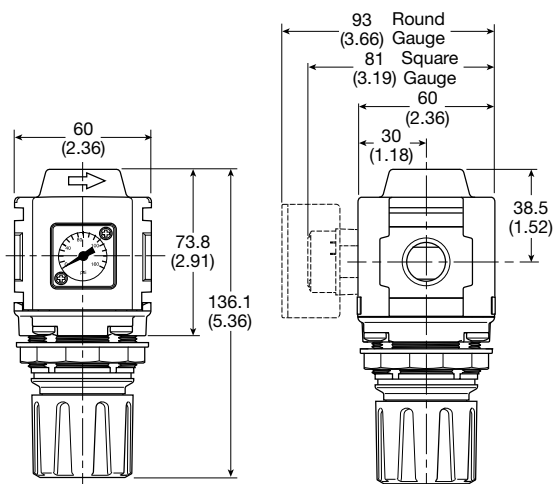
Diaphragm repair kit - relieving	P32KB00RB
Diaphragm repair kit - non-relieving	P32KB00RC
Panel mount nut - aluminum	P32KA00MM
Panel mount nut - plastic	P32KA00MP
Angle bracket (attaches via panel nut)	P32KB00MR
T-bracket with body connector	P32KA00MT
T-bracket	P32KA00MB
Body connector	P32KA00CB

**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.

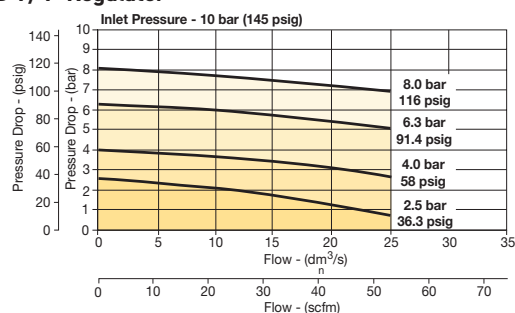


mm (Inches)

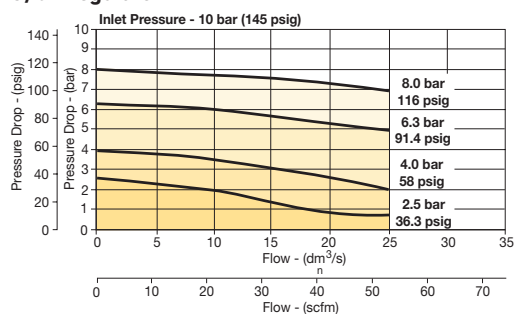
NOTE: 1.90 in. (48mm) hole required for panel nut mounting.

Flow Charts

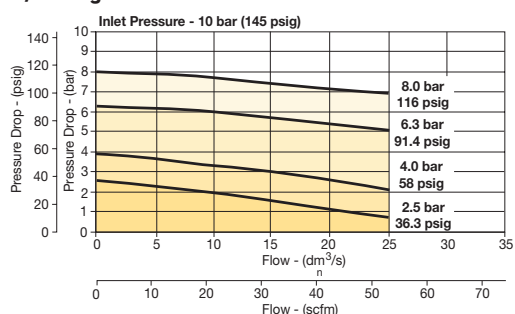
P32RB 1/4" Regulator



P32RB 3/8" Regulator



P32RB 1/2" Regulator



Gauges

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
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

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

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