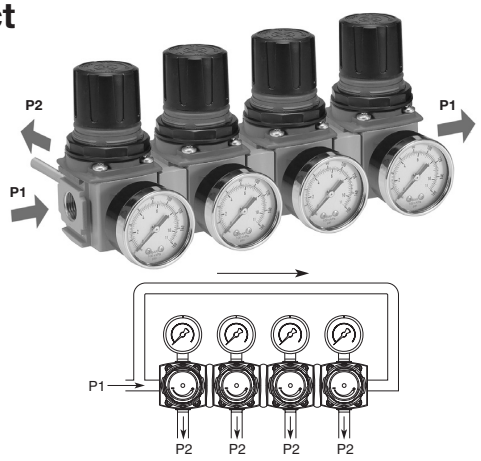
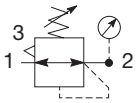
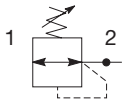
P32 Common - P1 Regulator – Compact

- 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 & BSPT)
- 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

Port Size	Description (relieving)	Gauge	Part Number
1/4"	125 psig (8 bar)	None	**P32HB12BNNP**
3/8"	125 psig (8 bar)	None	**P32HB13BNNP**
1/2"	125 psig (8 bar)	None	**P32HB14BNNP**

Operating Information

Flow capacity*: 1/4, 3/8, 1/2	64 scfm (30 dm³/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) 0 to 60 psig (0 to 4 bar) 0 to 125 psig (0 to 8 bar) 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.

Ordering Information:

P32HB 1 3 B N G P

Basic Series	
Global Modular Compact Regulator	P32HB

Thread Type	
BSPP	1
BSPT	2
NPT	9

Port Size †	
1/4	2
3/8	3
1/2	4

† Working port 1/4".

Relief	
Relieving	B
Non-Relieving	N

Adjustment	
N	Non-Rising Knob
T	T-Handle

Mounting	
P	Plastic Panel Mount Nut

Adjustment Range			
With Square Gauge			With Round Gauge
psig		bar	
1 = 30*		V = 2*	Z 30 psig; 2 bar; 0.2 MPa
3 = 60		S = 4	M 60 psig; 4 bar; 0.4 MPa
5 = 125		T = 8	G 125 psig; 8 bar; 0.8 MPa
			J 250 psig; 17 bar; 1.7 MPa
			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.

Options in grey boxes are not available or not stocked in EMEA region

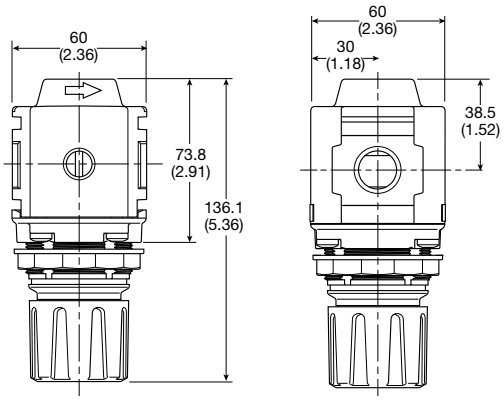
Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

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**

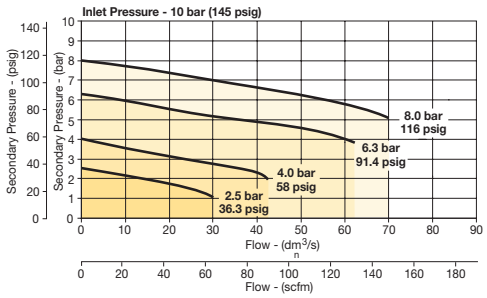


mm (Inches)

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

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.

☐ Most popular.