



- Manifold style regulator with line pressure on both sides
- Pressure output is at front or rear
- Integral 1/4", 3/8" or 1/2" ports (NPT, BSPP & BSPT)
- Robust 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



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.

Operating information

	P31 (Mini)	P32 (Compact)
Supply pressure (max):	20 bar (300 PSIG)	20 bar (300 PSIG)
Operating temperature:	-20°C to 65.5°C (-4°F to 150°F)	-25°C to 65.5°C (-13°F to 150°F)
Flow Capacity*:	1/4 18 dm³/s (38 SCFM)	28 dm³/s (59 SCFM)
	3/8 —	28 dm³/s (59 SCFM)
	1/2 —	28 dm³/s (59 SCFM)

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

For technical information see CD. For Flow Curve Charts please see page E36.

Ordering information

P31H	A	9	2	B	N	N	P
Basic series Global modular mini common regulator P31H Global modular compact common regulator P32H	Engr level Current A	Thread type BSPP 1 BSPT 2 NPT 9	Port size 2 1/4 (P31, P32) 3 3/8 (P32) 4 1/2 (P32)	Relief B Relieving N Non-relieving	Adjustment range 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	Mounting P Plastic panel mount nut	

Bold items are most common.

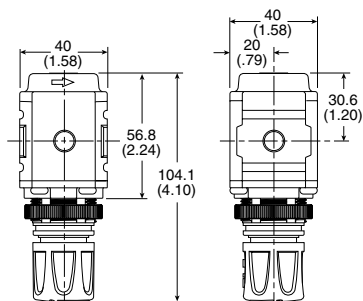
* Not available with P31 Series.
 Order gauges separately - see next page.

Regulators



Port size	Pressure	Part number	
		P31	P32
1/4"	8 bar (125 PSIG) relieving	P31HA92BNNP	P32HA92BNNP
3/8"	8 bar (125 PSIG) relieving		P32HA93BNNP
1/2"	8 bar (125 PSIG) relieving		P32HA94BNNP

P31



NOTE: 31.7 mm (1.25 in.) hole required for panel nut mounting.

Service kits

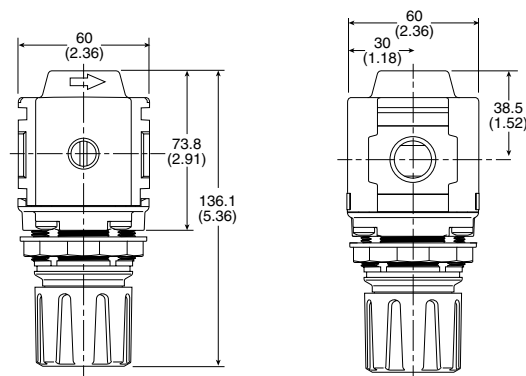
Description			P31	P32
Regulator repair kit	Relieving		P31KB00RB	P32KB00RB
	Non-relieving		P31KB00RC	P32KB00RC
Panel mount nut	Aluminum		P31KA00MM	P32KA00MM
	Plastic		P31KA00MP	P32KA00MP
Angle bracket (uses panel mount threads)			P31KA00MR	P32KA00MR
T-bracket	With body connector		P31KA00MT	P32KA00MT
	Fits to body connector		P31KA00MB	P32KA00MB
Body connector			P31KA00CB	P32KA00CB
Gauges -	Square flush mount gauge	0-4 bar	K4511SCR04B	K4511SCR04B
		0-10 bar	K4511SCR11B	K4511SCR11B
		0-60 PSIG	K4511SCR060	K4511SCR060
		0-160 PSIG	K4511SCR160	K4511SCR160
	Square with adapter kit	0-4 bar	P6G-PR11040	P6G-PR11040
		0-10 bar	P6G-PR11100	P6G-PR11100
		0-60 PSIG	P6G-PR11P06	P6G-PR11P06
		0-160 PSIG	P6G-PR11P16	P6G-PR11P16
	1.00" round 1/8" center back mount	0-60 PSIG/0-4 bar	K4510N18060	
		0-160 PSIG/0-11 bar	K4510N18160	
	50mm (2") round 1/4" center back mount	0-30 PSIG/0-2 bar/0-0.2 MPa		K4520N14030
		0-60 PSIG/0-4 bar/0-0.4 MPa		K4520N14060
		0-160 PSIG/0-11 bar/0-1.1 MPa		K4520N14160
		0-300 PSIG/0-20 bar/0-2 MPa		K4520N14300

Material specifications

Description	P31	P32
Body	Aluminum	Aluminum
Adjustment knob	Acetal	Acetal
Bonnet	33% Glass-filled PBT	33% Glass-filled nylon
Diaphragm assembly	Brass / nitrile	Nitrile / zinc
Valve assembly	Brass / nitrile	Brass / nitrile
Springs		Steel S.S. (Main regulating valve)
Seals		Nitrile
Panel nut		Acetal

Most popular.

P32



NOTE: 51 mm (2.00 in.) hole required for panel nut mounting.