

Material Specifications

Body	Aluminum
Adjustment knob	Acetal
Body cap	ABS
Bonnet	Glass-filled nylon
Plastic bowl	Polycarbonate
Metal bowl	Aluminum
Bowl guard	Nylon
Filter element	Polyethylene
Seals	Nitrile
Springs	Steel
Valve assembly	Acetal/ Nitrile
Diaphragm assembly	Stainless Steel / Nitrile
Panel nut	Acetal

⚠ WARNING

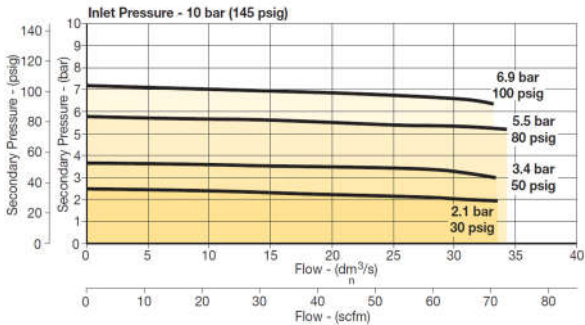
**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed Maximum primary pressure rating.**

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.

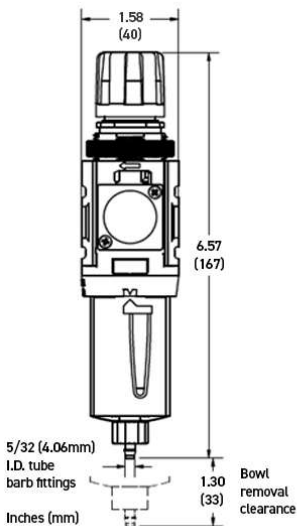
Flow Charts

P31EB 1/4" Filter / Regulator

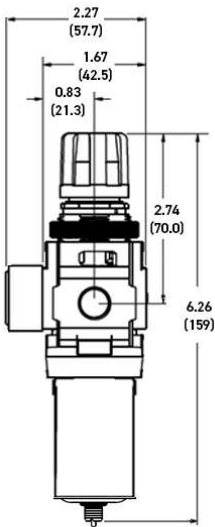


Repair and Service Kits

Plastic bowl / bowl guard manual drain	P31KB00BGM
Plastic bowl / bowl guard pulse drain	P31KB00BGB
Metal bowl / w/o sight gauge pulse drain	P31KB00BMB
5µ particle filter element	P31KA00ESE
Panel mount nut - aluminum	P31KA00MM
Panel mount nut - plastic	P31KA00MP
Angle bracket (attaches via panel nut)	P31KB00MR
C-bracket (fits to body)	P31KA00MW
T-bracket with body connector	P31KA00MT
Body connector	P31KA00CB



Manual Drain



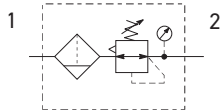
Pulse Drain

Square gauge supplied with every part. Gauge can be installed on the front or back of the regulator. If no gauge is installed, both seal screws must be installed.

Most Popular

P32 Filter / Regulators – Compact

- Integral 1/4", 3/8" or 1/2" ports (NPT & BSPP)
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminum construction
- Positive bayonet latch to ensure correct & safe fitting
- Secondary pressure ranges
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation



Port Size	Description (relieving)	Bowl / Drain Type †	Part Number
1/4"	125 psig (8 bar)	Poly / Manual	P32EB12EGMBNNP
1/4"	125 psig (8 bar)	Poly / Auto	P32EB12EGABNNP
1/4"	125 psig (8 bar)	Metal / Manual	P32EB12ESMBNNP
1/4"	125 psig (8 bar)	Metal / Auto	P32EB12ESABNNP
3/8"	125 psig (8 bar)	Poly / Manual	P32EB13EGMBNNP
3/8"	125 psig (8 bar)	Poly / Auto	P32EB13EGABNNP
3/8"	125 psig (8 bar)	Metal / Manual	P32EB13ESMBNNP
3/8"	125 psig (8 bar)	Metal / Auto	P32EB13ESABNNP
1/2"	125 psig (8 bar)	Poly / Manual	P32EB14EGMBNNP
1/2"	125 psig (8 bar)	Poly / Auto	P32EB14EGABNNP
1/2"	125 psig (8 bar)	Metal / Manual	P32EB14ESMBNNP
1/2"	125 psig (8 bar)	Metal / Auto	P32EB14ESABNNP

† For polycarbonate bowl, see caution in Engineering Section A.

Operating Information

Flow capacity*:	1/4	148 scfm (70 dm ³ /s, ANR)
	3/8	158 scfm (75 dm ³ /s, ANR)
	1/2	164 scfm (77 dm ³ /s, ANR)
Operating temperature:		
Plastic bowl		-13°F to 125°F (-25°C to 52°C)
Metal bowl		-13°F to 150°F (-25°C to 65.5°C)
Supply pressure (max):		
Plastic bowl		150 psig (10 bar)
Metal bowl		250 psig (17 bar)
Standard filtration:		5 micron
Useful retention†:		1.7 US oz. (51 cm ³)
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:		1.17 lb (0.53 kg)

* Inlet pressure 145 psig (10 bar). Secondary pressure 91.3 psig (6.3 bar) and 14.5 psig (1 bar) pressure drop.

† Useful retention refers to volume below the quiet zone baffle.

Air quality: Within ISO 8573-1: 2010 Class 6 (Particulates)

Ordering Information:

P32EB		1	4	E	G	M	B	N	N	P
Basic Series		Thread Type		Element		Adjustment		Mounting		
Global Modular Compact Filter / Regulator P32EB		BSPP 1		5µ Element E		N Non-Rising Knob		P Plastic Panel Mount Nut		
		NPT 9				T T-Handle				
		Port Size				Relief		Adjustment Range		
		1/4 2				B Relieving		With Round Gauge		
		3/8 3				N Non-Relieving		Z 30 psig; 2 bar; 0.2 MPa		
		1/2 4						M 60 psig; 4 bar; 0.4 MPa		
								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		