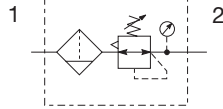


P32 Filter / Regulators – Compact

- Integral 1/4", 3/8" or 1/2" ports (NPT, BSPP & BSPT)
- 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	P32EB92EGMBNGP
1/4"	125 psig (8 bar)	Poly / Auto	P32EB92EGABNGP
1/4"	125 psig (8 bar)	Metal / Manual	P32EB92ESMBNGP
1/4"	125 psig (8 bar)	Metal / Auto	P32EB92ESABNGP
3/8"	125 psig (8 bar)	Poly / Manual	P32EB93EGMBNGP
3/8"	125 psig (8 bar)	Poly / Auto	P32EB93EGABNGP
3/8"	125 psig (8 bar)	Metal / Manual	P32EB93ESMBNGP
3/8"	125 psig (8 bar)	Metal / Auto	P32EB93ESABNGP
1/2"	125 psig (8 bar)	Poly / Manual	P32EB94EGMBNGP
1/2"	125 psig (8 bar)	Poly / Auto	P32EB94EGABNGP
1/2"	125 psig (8 bar)	Metal / Manual	P32EB94ESMBNGP
1/2"	125 psig (8 bar)	Metal / Auto	P32EB94ESABNGP

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

Ordering Information:

P32EB		9	2	E	G	M	B	N	5	P
Basic Series		Thread Type		Element		Adjustment		Mounting		
Global Modular Compact Filter / Regulator P32EB		BSPP 1 BSPT 2 NPT 9		5µ Element E		N Non-Rising Knob T T-Handle		P Plastic Panel Mount Nut		
		Port Size				Relief				
		1/4 2 3/8 3 1/2 4				B Relieving N Non-Relieving				
				Bowl Type				Adjustment Range		
				Poly Bowl with Bowl Guard G Metal Bowl without Sight Gauge M Metal Bowl with Sight Gauge S				With Square Gauge		
						Drain Type		With Round Gauge		
						Manual Drain M Auto Drain A Flex Drain X		Z 30 psig; 2 Bar; 0.2 MPa M 60 psig; 4 Bar; 0.4 MPa G 125 psig; 8 Bar; 0.8 MPa J ^S 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 ^S 250 psig; 17 Bar; 1.7 MPa		

Most popular.



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: 1991 Class 3 (Particulates)
Within ISO 8573-1: 2001 Class 6 (Particulates)

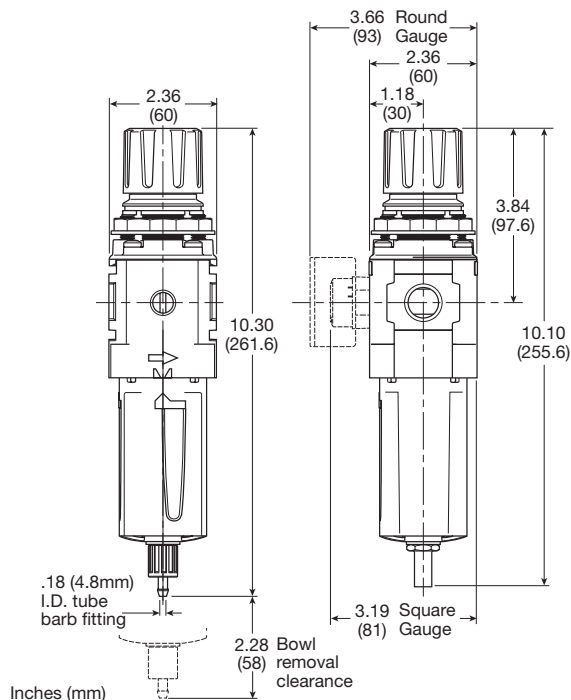


Material Specifications

Body	Aluminum
Adjustment knob	Acetal
Element retainer / baffle	Acetal
Plastic bowl	Polycarbonate
Metal bowl	Aluminum
Bowl guard	Nylon
Filter element	Sintered polyethylene
Seals	Nitrile
Springs	Steel, stainless steel
Valve assembly	Brass / nitrile
Diaphragm assembly	Nitrile / zinc
Panel nut	Acetal
Sight gauge	Nylon

Repair and Service Kits

Plastic bowl / bowl guard manual drain	P32KB00BGM
Metal bowl / sight gauge manual drain	P32KB00BSM
Auto drain	P32KA00DA
5μ particle filter element	P32KA00ESE
Diaphragm repair kit - relieving	P32KB00RB
Diaphragm repair kit - non-relieving	P32KB00RC
Panel mount nut - aluminum	P32KA00MM
Panel mount nut - plastic	P32KA00MP
Angle bracket (fits to panel mount threads)	P32KB00MR
T-bracket (fits to body connector)	P32KA00MB
T-bracket with body connector	P32KA00MT
Body connector	P32KA00CB

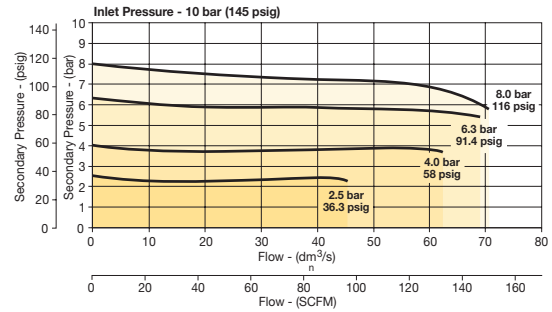


Manual Drain

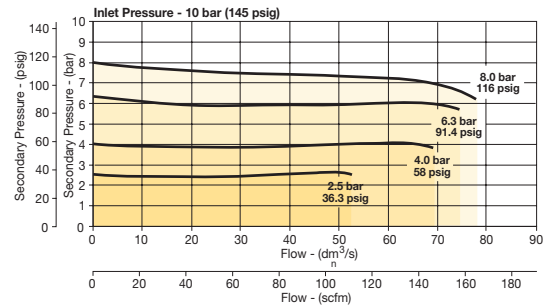
Automatic Drain

Flow Charts

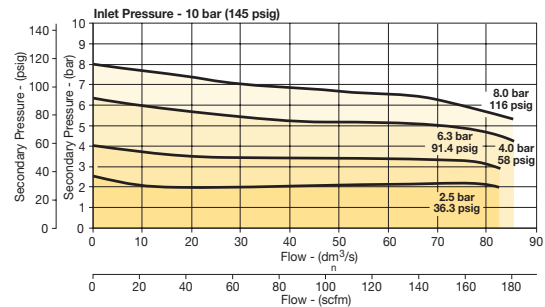
P32EB 1/4" Filter / Regulator



P32EB3/8" Filter/Regulator



P32EB 1/2" Filter/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

50mm (2") round	0-30 psig / 0-2 bar	K4520N14030
1/4" center back mount	0-60 psig / 0-4 bar	K4520N14060
	0-160 psig / 0-11 bar	K4520N14160
	0-300 psig / 0-20 bar	K4520N14300

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



For inventory, lead times, and kit