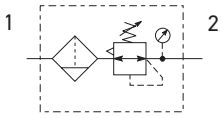
P32 Filter / Regulators – Compact

- 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	**P32EB12EGMBNGP**
1/4"	125 psig (8 bar)	Poly / Auto	**P32EB12EGABNGP**
1/4"	125 psig (8 bar)	Metal / Manual	**P32EB12ESMBNGP**
1/4"	125 psig (8 bar)	Metal / Auto	**P32EB12ESABNGP**
3/8"	125 psig (8 bar)	Poly / Manual	**P32EB13EGMBNGP**
3/8"	125 psig (8 bar)	Poly / Auto	**P32EB13EGABNGP**
3/8"	125 psig (8 bar)	Metal / Manual	**P32EB13ESMBNGP**
3/8"	125 psig (8 bar)	Metal / Auto	**P32EB13ESABNGP**
1/2"	125 psig (8 bar)	Poly / Manual	**P32EB14EGMBNGP**
1/2"	125 psig (8 bar)	Poly / Auto	**P32EB14EGABNGP**
1/2"	125 psig (8 bar)	Metal / Manual	**P32EB14ESMBNGP**
1/2"	125 psig (8 bar)	Metal / Auto	**P32EB14ESABNGP**

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

Operating Information

Flow capacity*:	1/4	148 scfm (70 dm3/s, ANR)
	3/8	158 scfm (75 dm3/s, ANR)
	1/2	164 scfm (77 dm3/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.

Ordering Information:

P32EB | **1** | **4** | **E** | **G** | **M** | **B** | **N** | **G** | **P**

Basic Series
Global Modular Compact Filter / Regulator	P32EB

Thread Type
BSPP	1
NPT	9

Element
5µ Element	E

Port Size
1/4	2
3/8	3
1/2	4

Bowl Type
Poly Bowl with Bowl Guard	G
Metal Bowl without Sight Gauge	M
Metal Bowl with Sight Gauge	S

Drain Type
Manual Drain	M
Auto Drain	A
Flex Drain	X

Relief
B	Relieving
N	Non-Relieving

Adjustment
N	Non-Rising Knob
T	T-Handle

Adjustment Range
	With Round Gauge
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§	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

Mounting
P	Plastic Panel Mount Nut

* Regulator comes with gauge respective to the adjustment range selected.
§ Not available with poly bowl with bowl guard.

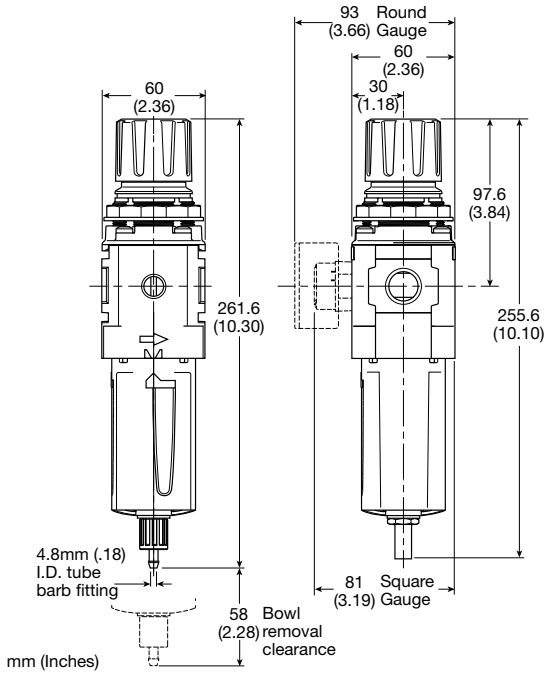
Most Popular

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

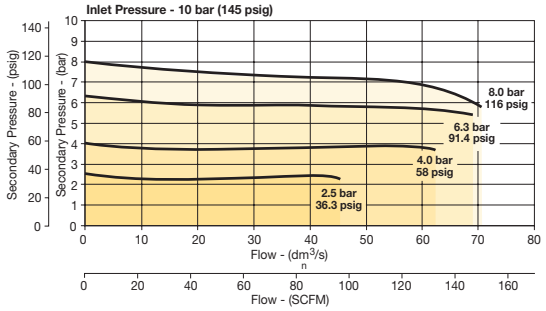
Plastic bowl / bowl guard manual drain	**P32KB00BGM**
Metal bowl / sight gauge manual drain	**P32KB00BSM**
Auto drain	**P32KA00DA**
5µ particle filter element	**P32KA00ESE**
Panel mount nut - aluminum	**P32KA00MM**
Panel mount nut - plastic	**P32KA00MP**
Angle bracket (fits to panel mount threads)	**P32KB00MR**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



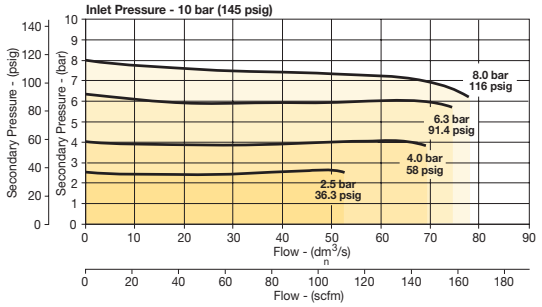
Manual Drain **Automatic Drain**

Flow Charts

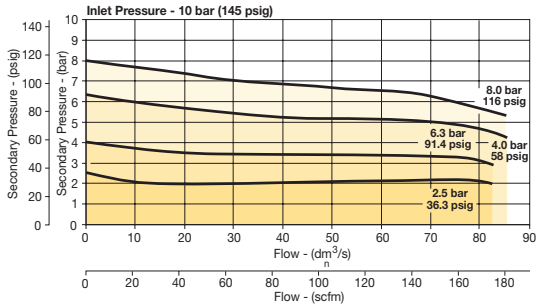
P32EB 1/4" Filter / Regulator



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 1/4" center back mount	0-60 psig / 0-4 bar	**P6G-ERB2040**
	0-160 psig / 0-10 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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