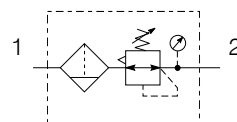


Compact Filter / Regulator P32



Symbols



- Integral 1/4, 3/8 or 1/2 ports (BSPP & NPT)
- High efficiency 5 micron element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminium construction
- Positive bayonet latch to ensure correct & safe fitting
- Secondary pressure ranges 2, 4, 8 & 17 bar
- Secondary aspiration plus balanced poppet provides quick response and accurate pressure regulation.

Options:

P 3 2	E A			E				N			P
Thread type BSPP 1 NPT 9		Port size 1/4 2 3/8 3 1/2 4		Drain type Manual drain M Auto drain A		Element 5µ Element E		Relief Relieving B Non relieving N		Mounting Plastic panel mount nut P	
						Bowl type Poly bowl with bowl guard G Metal bowl with sight glass S				Adjustment range With round gauge 2 bar; 30 psi; 0.2 MPa Z 4 bar; 60 psi; 0.4 MPa M 8 bar; 125 psi; 0.8 MPa G 17 bar; 250 psi; 1.7 MPa J Without gauge 2 bar; 30 psi; 0.2 MPa Y 4 bar; 60 psi; 0.4 MPa L 8 bar; 125 psi; 0.8 MPa N 17 bar; 250 psi; 1.7 MPa H	

Port size	Description	Order Code	Flow dm ³ /s *	(scfm) *	Max bar (psi)	Height mm (Inches)	Width mm (Inches)	Depth mm (Inches)
1/4"	8 bar (125 psi) Relieving - Poly bowl - Manual drain	P32EA12EGMBNGP	42	(89)	10 (150)	254 (10.0)	60 (2.36)	60 (2.36)
1/4"	8 bar (125 psi) Relieving - Poly bowl - Auto drain	P32EA12EGABNGP	42	(89)	10 (150)	248 (9.76)	60 (2.36)	60 (2.36)
1/4"	8 bar (125 psi) Relieving - Metal bowl sight glass - Manual drain	P32EA12ESMBNGP	42	(89)	17 (250)	245 (9.66)	60 (2.36)	60 (2.36)
1/4"	8 bar (125 psi) Relieving - Metal bowl sight glass - Auto drain	P32EA12ESABNGP	42	(89)	17 (250)	248 (9.76)	60 (2.36)	95 (3.74)
3/8"	8 bar (125 psi) Relieving - Poly bowl - Manual drain	P32EA13EGMBNGP	58	(123)	10 (150)	254 (10.0)	60 (2.36)	60 (2.36)
3/8"	8 bar (125 psi) Relieving - Poly bowl - Auto drain	P32EA13EGABNGP	58	(123)	10 (150)	248 (9.76)	60 (2.36)	60 (2.36)
3/8"	8 bar (125 psi) Relieving - Metal bowl sight glass - Manual drain	P32EA13ESMBNGP	58	(123)	17 (250)	245 (9.66)	60 (2.36)	60 (2.36)
3/8"	8 bar (125 psi) Relieving - Metal bowl sight glass - Auto drain	P32EA13ESABNGP	58	(123)	17 (250)	248 (9.76)	60 (2.36)	95 (3.74)
1/2"	8 bar (125 psi) Relieving - Poly bowl - Manual drain	P32EA14EGMBNGP	64	(136)	10 (150)	245 (9.66)	60 (2.36)	95 (3.74)
1/2"	8 bar (125 psi) Relieving - Poly bowl - Auto drain	P32EA14EGABNGP	64	(136)	10 (150)	248 (9.76)	60 (2.36)	95 (3.74)
1/2"	8 bar (125 psi) Relieving - Metal bowl sight glass - Manual drain	P32EA14ESMBNGP	64	(136)	17 (250)	254 (10.0)	60 (2.36)	60 (2.36)
1/2"	8 bar (125 psi) Relieving - Metal bowl sight glass - Auto drain	P32EA14ESABNGP	64	(136)	17 (250)	248 (9.76)	60 (2.36)	60 (2.36)

* flow with 10 bar (145 psig) inlet pressure, 6.3 bar (91.3 psig) set pressure and 1 bar (14.5 psig) pressure drop.

Specifications

Flow Capacity*	1/4	42 dm ³ /s (89 scfm)
	3/8	58 dm ³ /s (123 scfm)
	1/2	64 dm ³ /s (136 scfm)
Operating Temperature	Plastic Bowl	-25°C (-13°F) to 52°C (125°F)
	Metal Bowl	-25°C (-13°F) to 65.5°C (150°F)
Max Supply Pressure	Plastic Bowl	10 bar (150 psi)
	Metal Bowl	17 bar (250 psi)
Standard Filtration		5 Micron
Useful Retention**		51 cm ³ (1.7 US oz.)
Adjusting Range Pressure		0-2 bar (30 psi)
		0-4 bar (60 psi)
		0-8 bar (125 psi)
		0-17 bar (250 psi)
Port Size	BSPP / NPT	1/4, 3/8, 1/2
Gauge Port (2 ea.)	BSPP / NPT	1/4
Weight		0.53 kg (1.17 lbs)

* Inlet pressure 10 bar. Secondary pressure 6.3 bar.

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

Air quality:

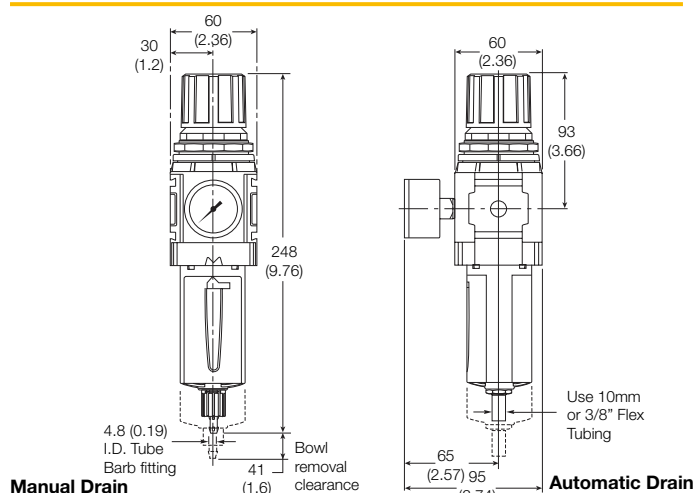
Within ISO 8573-1: 1991 Class 3 (Particulates)

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

Materials of Construction

Body	Aluminium	
Adjustment Knob	Acetal	
Body Cap	ABS	
Element Retainer / Baffle	Acetal	
Bowl	Plastic Bowl	Polycarbonate
	Metal Bowl	Zinc
Bowl Guard	Nylon	
Filter Element	Sintered Polyethylene	
Seals	Plastic Bowl	Nitrile
	Metal Bowl	Nitrile
Springs	Main Regulating / Valve	Steel / S.S.
Valve Assembly	Brass / Nitrile	
Diaphragm Assembly	Nitrile / Zinc	
Panel Nut	Acetal	
Sight Gauge	Metal Bowl	Polycarbonate

Dimensions

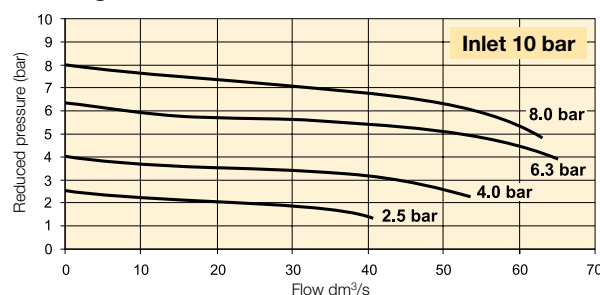


WARNING

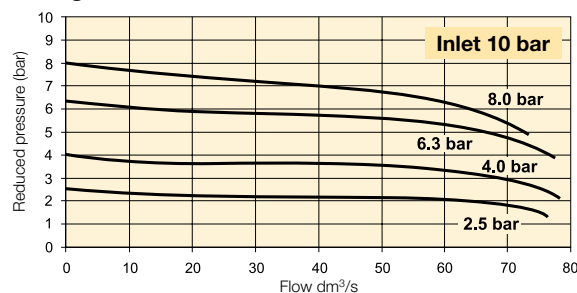
**Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed maximum primary pressure rating.**

Flow Charts

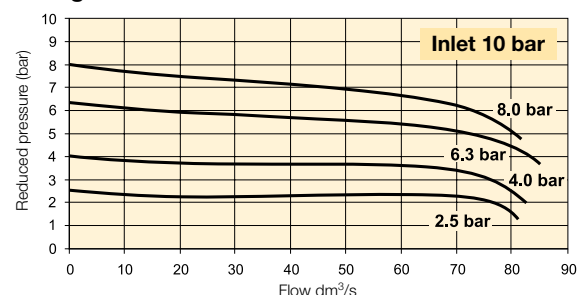
1/4 Filter/Regulator



3/8 Filter/Regulator



1/2 Filter/Regulator



Repair and Service Kits

Plastic bowl / Bowl guard manual drain	P32KA00BGM
Metal bowl / Sight gauge manual drain	P32KA00BSM
Auto drain	P32KA00DA
5µ particle filter element	P32KA00ESE
Panel mount nut - Aluminium	P32KA00MM
Panel mount nut - Plastic	P32KA00MP
Angle Bracket (fits to panel mount threads)	P32KA00MR
T-Bracket (fits to body connector)	P32KA00MB
T-Bracket with body connector	P32KA00MT
Body connector	P32KA00CB

Gauges

50mm (2") Round 1/4" center back mount

for units ordered without square gauge

0-60 PSIG / 0-4 bar / 0-0.4 MPa	P6G-ERB2040
0-160 PSIG / 0-11 bar / 0-1.1 MPa	P6G-ERB2110
0-300 PSIG / 0-20 bar / 0-2 MPa	P6G-ERB2200

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