

Compact Coalescing and Adsorber Filter P32



- Integral 1/4, 3/8 or 1/2 ports (BSPP & NPT)
- Removes liquid aerosols and sub micron particles
- Oil free air for critical applications, such as air gauging, pneumatic instrumentation and control
- Differential Pressure Indicator (DPI) standard on Coalescing Filters
- Positive bayonet latch to ensure correct & safe fitting
- Adsorbing activated carbon element removes oil vapours and most hydrocarbons

Note: To optimise the life of coalescing element, it is advisable to install a P32F pre-filter with a 5 micron element upstream of the coalescing filter.

To optimise the life of an Adsorber it is advisable to install a P32 Coalescing Filter upstream of the Adsorber. Adsorber element should be replaced approx. every 1000 hours of service

Options:

P 3 2	F A						N
Thread type BSPP 1 NPT 9		Port size 1/4 2 3/8 3 1/2 4		Bowl type Poly bowl with bowl guard G Metal bowl with sight glass S		Mounting No bracket N	
Element 0.01µ Element with dpi D 1µ Element with dpi Q Adsorber A				Drain type Manual drain M Auto drain A			

Port size	Description	Order Code	Flow dm ³ /s *	(scfm) *	Max bar	(psi)	Height mm (Inches)	Width mm (Inches)	Depth mm (Inches)
1/4"	Poly bowl - 0.01 Micron, Manual drain	P32FA12DGMN	11	(23)	10	(150)	209 (8.2)	60 (2.36)	60 (2.36)
1/4"	Poly bowl - 0.01 Micron, Auto drain	P32FA12DGAN	11	(23)	10	(150)	203 (8.0)	60 (2.36)	60 (2.36)
1/4"	Metal bowl sight glass - 0.01 Micron, Manual drain	P32FA12DSMN	11	(23)	17	(250)	209 (8.2)	60 (2.36)	60 (2.36)
1/4"	Metal bowl sight glass - 0.01 Micron, Auto drain	P32FA12DSAN	11	(23)	17	(250)	203 (8.0)	60 (2.36)	60 (2.36)
3/8"	Poly bowl - 0.01 Micron, Manual drain	P32FA13DGMN	11	(23)	10	(150)	209 (8.2)	60 (2.36)	60 (2.36)
3/8"	Poly bowl - 0.01 Micron, Auto drain	P32FA13DGAN	11	(23)	10	(150)	203 (8.0)	60 (2.36)	60 (2.36)
3/8"	Metal bowl sight glass - 0.01 Micron, Manual drain	P32FA13DSMN	11	(23)	17	(250)	209 (8.2)	60 (2.36)	60 (2.36)
3/8"	Metal bowl sight glass - 0.01 Micron, Auto drain	P32FA13DSAN	11	(23)	17	(250)	203 (8.0)	60 (2.36)	60 (2.36)
1/2"	Poly bowl - 0.01 Micron, Manual drain	P32FA14DGMN	11	(23)	10	(150)	209 (8.2)	60 (2.36)	60 (2.36)
1/2"	Poly bowl - 0.01 Micron, Auto drain	P32FA14DGAN	11	(23)	10	(150)	203 (8.0)	60 (2.36)	60 (2.36)
1/2"	Metal bowl sight glass - 0.01 Micron, Manual drain	P32FA14DSMN	11	(23)	17	(250)	209 (8.2)	60 (2.36)	60 (2.36)
1/2"	Metal bowl sight glass - 0.01 Micron, Auto drain	P32FA14DSAN	11	(23)	17	(250)	203 (8.0)	60 (2.36)	60 (2.36)
1/4"	Poly bowl - Adsorber	P32FA12AGMN	27	(57)	10	(150)	209 (8.2)	60 (2.36)	60 (2.36)
1/4"	Metal bowl sight glass - Adsorber	P32FA12ASMN	27	(57)	17	(250)	209 (8.2)	60 (2.36)	60 (2.36)
3/8"	Poly bowl - Adsorber	P32FA13AGMN	27	(57)	10	(150)	209 (8.2)	60 (2.36)	60 (2.36)
3/8"	Metal bowl sight glass - Adsorber	P32FA13ASMN	27	(57)	17	(250)	209 (8.2)	60 (2.36)	60 (2.36)
1/2"	Poly bowl - Adsorber	P32FA14AGMN	27	(57)	10	(150)	209 (8.2)	60 (2.36)	60 (2.36)
1/2"	Metal bowl sight glass - Adsorber	P32FA14ASMN	27	(57)	17	(250)	209 (8.2)	60 (2.36)	60 (2.36)

* flow with 6.3 bar (91.3 psig) inlet pressure and 0.2 bar (3 psig) pressure drop.

Specifications

Flow Capacity		dm ³ /s	SCFM
1.0 Micron Coalescing	Energy Efficient Flow*	17	(36)
	Maximum Flow**	27	(57)
0.01 Micron Coalescing	Energy Efficient Flow*	11	(23)
	Maximum Flow**	18	(38)
Activated Carbon Adsorber	Rated Flow*	27	(57)
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 [†]		1.0 and 0.01 Micron ppm wt	
Adsorber	Max oil carryover (ppm w/w) 0.003 @ 21°C (70°F)		
Useful Retention [‡]		51 cm ³ (1.7 US oz.)	
Port Size	BSPP / NPT		1/4, 3/8, 1/2
Weight		0.32 kg (0.71 lbs)	

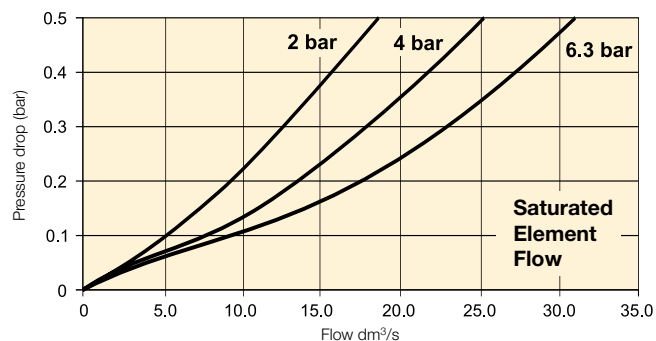
* Inlet pressure 6.3 bar (90 psi), Pressure drop 0.2 bar (3 psig), Saturated Element.

** Inlet pressure 6.3 bar (90 psi), Pressure drop 0.4 bar (6 psig), Saturated Element.

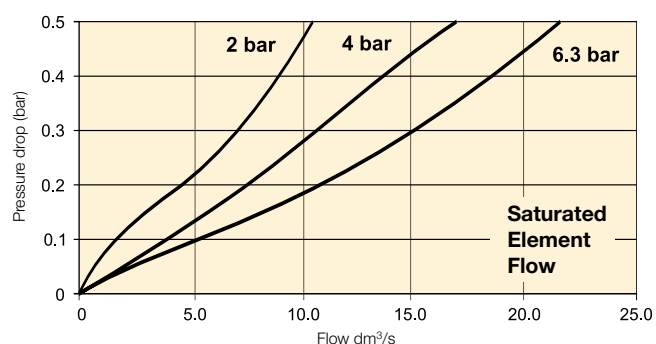
† Useful retention refers to volume below the quiet zone baffle.

Flow Charts

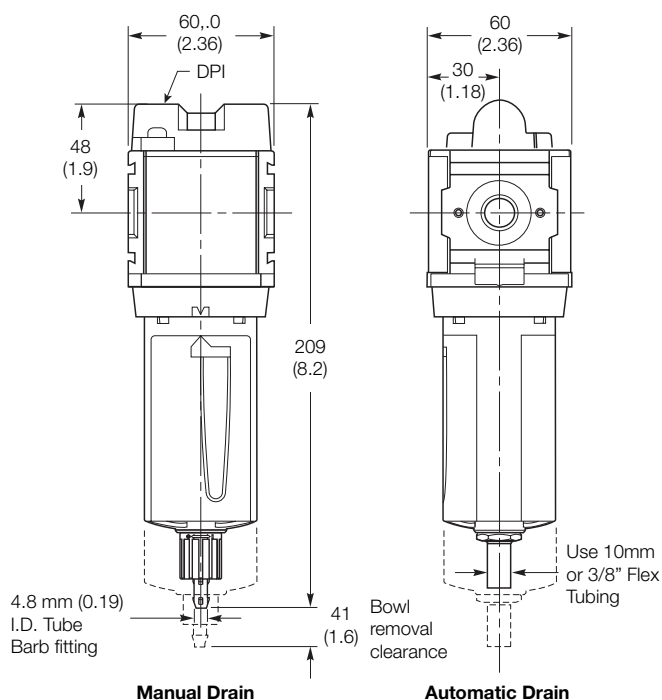
P32 - 1.0 micron flow



P32 - 0.01 micron flow



Dimensions



Materials of Construction

Body	Aluminium	
Body Cap	ABS	
Bowls	Plastic Bowl	Polycarbonate
	Metal Bowl	Aluminium
Filter Element	1.0 and .01 Micron	Borosilicate Cloth
Adsorber	Activated Carbon	
Seals	Nitrile	
Sight Gauge	Metal Bowl	Polycarbonate

Repair and Service Kits

Plastic bowl / Bowl guard manual drain	P32KA00BGM
Metal bowl / Sight gauge manual drain	P32KA00BSM
Auto drain	P32KA00DA
1µ coalescing filter element	P32KA00ES9
0.01µ coalescing filter element	P32KA00ESC
Activated carbon adsorber filter element	P32KA00ESA
L-Bracket (fits to body)	P32KA00ML
T-Bracket (fits to body connector)	P32KA00MB
T-Bracket with body connector	P32KA00MT
Body connector	P32KA00CB
Differential pressure indicator (replacement)	P32KA00RQ