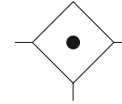


Standard Coalescing and Adsorber Filter - P33 Symbol



- Integral 1/2" or 3/4" ports (NPT, BSPP & BSPT)
- 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 vapors and most hydrocarbons

Note: To optimize the life of coalescing element, it is advisable to install a P33F pre-filter with a 5 micron element upstream of the coalescing filter.

To optimize the life of an Adsorber it is advisable to install a P33 Coalescing Filter upstream of the Adsorber. Adsorber element should be replaced approximately every 1000 hours of service.

Options:

P33FA 9 6 D G M N

Basic series Global modular standard coalescing filter P33FA	Thread type BSPP 1 BSPT 2 NPT 9	Port size 1/2 4 3/4 6	Element 0.01µ Element C 0.01µ Element with DPI D 1µ Element 9 1µ Element with DPI Q Adsorber A	Drain type M Manual drain A Auto drain	Bowl type G Poly bowl with bowl guard M Metal bowl without sight gauge S Metal bowl with sight gauge	Mounting N No bracket
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Bold items are most common.

Port size	Description	Flow [†] dm ³ /s (scfm)	Max. bar (psig)	Height mm (inches)	Width mm (inches)	Depth mm (inches)	Part number [†]
1/2"	Poly bowl - 0.01 micron, manual drain	32 (68)	10 (150)	235 (9.25)	73 (2.87)	73 (2.87)	P33FA94DGMN
1/2"	Poly bowl - 0.01 micron, auto drain	32 (68)	10 (150)	229 (9.02)	73 (2.87)	73 (2.87)	P33FA94DGAN
1/2"	Metal bowl - 0.01 micron, manual drain	32 (68)	17 (250)	235 (9.25)	73 (2.87)	73 (2.87)	P33FA94DSMN
1/2"	Metal bowl - 0.01 micron, auto drain	32 (68)	17 (250)	229 (9.02)	73 (2.87)	73 (2.87)	P33FA94DSAN
3/4"	Poly bowl - 0.01 micron, manual drain	32 (68)	10 (150)	235 (9.25)	73 (2.87)	73 (2.87)	P33FA96DGMN
3/4"	Poly bowl - 0.01 micron, auto drain	32 (68)	10 (150)	229 (9.02)	73 (2.87)	73 (2.87)	P33FA96DGAN
3/4"	Metal bowl - 0.01 micron, manual drain	32 (68)	17 (250)	235 (9.25)	73 (2.87)	73 (2.87)	P33FA96DSMN
3/4"	Metal bowl - 0.01 micron, auto drain	32 (68)	17 (250)	229 (9.02)	73 (2.87)	73 (2.87)	P33FA96DSAN

[†] Standard part numbers shown in bold. For other models refer to Options chart above.

[‡] Flow with 6.3 bar (91.3 psig) inlet pressure and 0.2 (3 psig) pressure drop.

Specifications

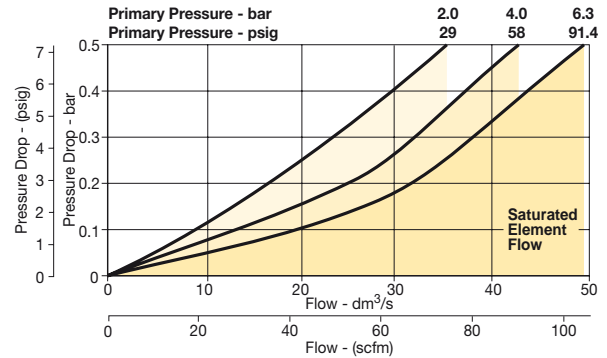
Flow capacity		
1.0 micron coalescing		32 dm ³ /s (68 scfm)
0.01 micron coalescing		20 dm ³ /s (42 scfm)
Activated carbon adsorber		34 dm ³ /s (72 scfm)
Operating temperature		
Plastic bowl		-25°C to 52°C (-13°F to 125°F)
Metal bowl		-25°C to 65.5°C (-13°F to 150°F)
Max. supply pressure		
Plastic bowl		10 bar (150 psig)
Metal bowl		17 bar (250 psig)
Standard filtration		
		1.0 and 0.01 micron
Adsorber Max. oil carryover (ppm w/w)		
		0.003 @ 21°C (70°F)
Useful retention [†]		
		85 cm ³ (2.8 US oz.)
Port size		
	BSPP / BSPT / NPT	1/2, 3/4
Weight		
		0.50 kg (1.10 lbs)

Inlet pressure 6.3 bar (91.3 psig), Pressure drop 0.2 bar (3 psig), Saturated Element.

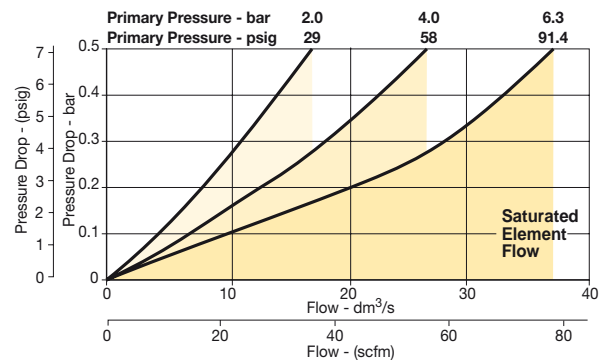
[†] Useful retention refers to volume below the quiet zone baffle.

Flow Charts

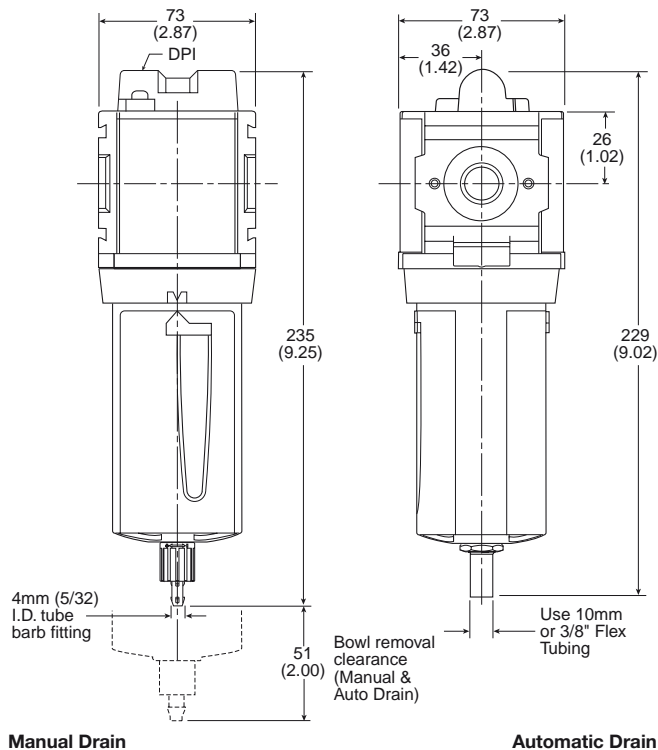
P33 - 1.0 micron flow



P33 - 0.01 micron flow



Dimensions mm (inches)



Material Specifications

Body	Aluminum	
Body cap	ABS	
Bowls	Plastic bowl	Polycarbonate
	Metal bowl	Aluminum
Filter element	1.0 and .01 micron	Borosilicate cloth
Adsorber	Activated carbon	
Seals	Nitrile	
Sight gauge	Metal bowl	Nylon

Repair and Service Kits

Plastic bowl / Bowl guard manual drain	P33KA00BGM
Metal bowl / Sight gauge manual drain	P33KA00BSM
Auto drain	P32KA00DA
1µ coalescing filter element	P33KA00ES9
0.01µ coalescing filter element	P33KA00ESC
Activated carbon adsorber filter element	P33KA00ESA
L-bracket (fits to body)	P33KA00ML
T-bracket (fits to body connector)	P32KA00MB
T-bracket with body connector	P32KA00MT
Body connector	P32KA00CB
Differential pressure indicator (replacement)	P32KA00RQ

