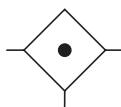


P33 Coalescing and Adsorber Filters – Standard

- Integral 1/2" or 3/4" ports (NPT & BSPP)
- 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.



Port Size	Description †	Element	Part Number
1/2"	Poly Bowl, Manual Drain	0.01 micron	P33FA14DGMN
1/2"	Poly Bowl, Auto Drain	0.01 micron	P33FA14DGAN
1/2"	Metal Bowl, Manual Drain	0.01 micron	P33FA14DSMN
1/2"	Metal Bowl, Auto Drain	0.01 micron	P33FA14DSAN
3/4"	Poly Bowl, Manual Drain	0.01 micron	P33FA16DGMN
3/4"	Poly Bowl, Auto Drain	0.01 micron	P33FA16DGAN
3/4"	Metal Bowl, Manual Drain	0.01 micron	P33FA16DSMN
3/4"	Metal Bowl, Auto Drain	0.01 micron	P33FA16DSAN

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



Operating Information

Supply pressure (max):

Poly bowl	150 psig (10 bar)
Metal bowl w/ DPI	150 psig (10 bar)
Metal bowl w/o DPI	250 psig (17 bar)

Operating temperature:

Plastic bowl	-13°F to 125°F (-25°C to 52°C)
Metal bowl	-13°F to 150°F (-25°C to 65.6°C)

Standard filtration:

1.0 and 0.01 micron

Adsorber

Max. oil carryover (ppm w/w)
0.003 @ 70°F (21°C)

Flow capacity*:

1.0 micron coalescing	68 scfm (32 dm³/s, ANR)
0.01 micron coalescing	42 scfm (20 dm³/s, ANR)
Activated carbon adsorber	72 scfm (34 dm³/s, ANR)

Useful retention†:

2.8 US oz. (85 cm³)

Weight:

1.10 lb (0.50 kg)

* Inlet pressure 91.3 psig (6.3 bar). Pressure drop 3 psig (0.2 bar), saturated element.

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

Air quality: ISO 8573-1:2010: 0.01µm closes to Class 1 for maximum particle size and concentration of solid contaminants, and closes to Class 1 on maximum oil content (ppm/wt).

Within ISO 8573-1:2010: Adsorber closes to Class 1 on maximum oil content (ppm/wt).

Ordering Information:

P33FA		1	6	D	S	M	N
Basic Series		Thread Type		Port Size		Mounting	
Global Modular Standard		BSPP		1/2		N	
Coalescing Filter		NPT		3/4		No Bracket	
P33FA		1		4		M	
		9		6		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	

Most Popular



Material Specifications

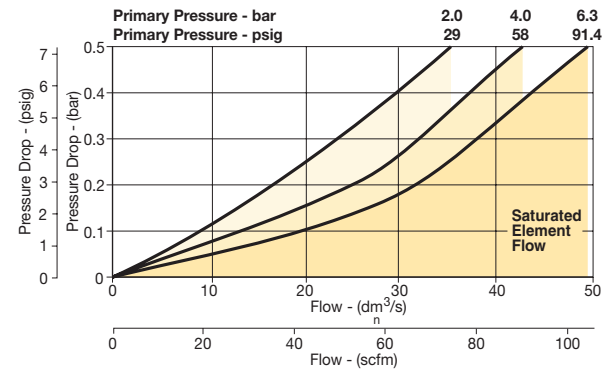
Body	Aluminum
Body cap	ABS
Plastic bowl	Polycarbonate
Metal bowl	Aluminum
Filter element	Borosilicate cloth
Adsorber	Activated carbon
Seals	Nitrile
Sight gauge	Nylon

Repair and Service Kits

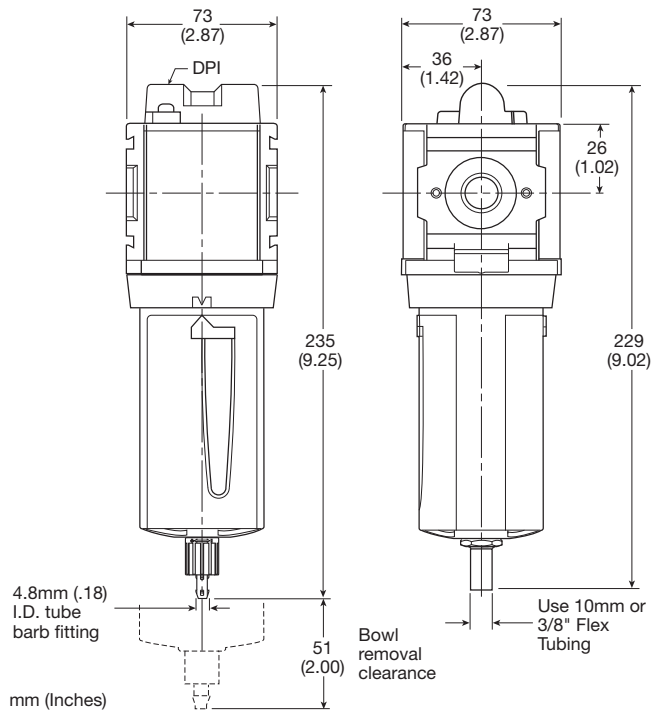
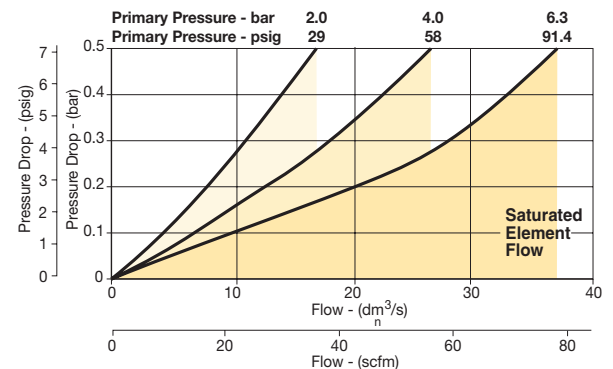
Plastic bowl / bowl guard, manual drain	P33KA00BGM
Metal bowl / sight gauge, manual drain	P33KA00BSM
Auto drain	P32KA00DA
1 μ coalescing filter element	P33KA00ES9
0.01 μ coalescing filter element	P33KA00ESC
Activated carbon adsorber filter element	P33KA00ESA
L-bracket (fits to body)	P33KA00ML
T-bracket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

Flow Charts

P33FA - 1.0 micron flow



P33FA - 0.01 micron flow



Manual Drain

Automatic Drain

Most Popular