

Coalescing Filter / Adsorber Filter



- Extended high efficiency filter element provides greater filtration surface area.
- Flanged 1-1/2" or 2" (BSPP & NPT)
- Removes liquid aerosols and sub micron particles
- Oil free air for critical applications, such as air gauging, pneumatic instrumentation and control

Note: To optimise the life of the coalescing element, it is advisable to install a P3ZFA pre-filter with a 5µm filter upstream of the coalescing filter.

Note: To optimise the life of the adsorber element, it is advisable to install a P3ZFA coalescing 0.01µm filter upstream of the adsorber filter.

Options:

P 3 Z F A	□	□	□	M A	N
SAE Mtg - No thread	0	None	0	0.01 µm Coalescing element + DPI	D
BSPP flange	1	1-1/2"	B	Adsorber element	B
NPT flange	9	2"	C	Auto Drain	MA

Port size	Description	Order Code	Flow dm ³ /s *	Max bar	Min temp °C	Max temp °C	Bowl capacity cm ³	Height mm	Width mm	Depth mm	Weight kg
-	Coalescing filter 0.01 µm auto drain	P3ZFA00DMAN	>167	17.5	0	60	600	445	200	182	6.4
1-1/2"	Coalescing filter 0.01 µm auto drain	P3ZFA1BDMAN	>167	17.5	0	60	600	445	200	182	6.4
2"	Coalescing filter 0.01 µm auto drain	P3ZFA1CDMAN	>167	17.5	0	60	600	445	200	182	6.4
-	Adsorber filter	P3ZFA00BMAN	>167	17.5	0	60	600	445	200	182	6.4
1-1/2"	Adsorber filter	P3ZFA1BBMAN	>167	17.5	0	60	600	445	200	182	6.4
2"	Adsorber filter	P3ZFA1CBMAN	>167	17.5	0	60	600	445	200	182	6.4

* flow with 6,3 bar inlet pressure and 0,5 pressure drop.



Technical Information

Fluid:	Compressed air
Maximum inlet pressure*:	17.5 bar
Temperature range*:	0°C to +60°C
Media specifications:	
Coalescing efficiency	(0.3 to 0.6 micron particles): 99.97%
Max. oil carryover (PPM w/w):	0.008 mg/m ³
Typical flow element @ 6,3 bar inlet pressure and 0.2 bar pressure drop:	Dry element 0.01µm @ dm ³ /s
Auto drain: bowl pressure to close drain Operating range manual override facility (depress pin)	0.8 bar 0.8 to 17.5 bar Ø 10mm brass connection
Bowl sump capacity:	600 cm ³

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

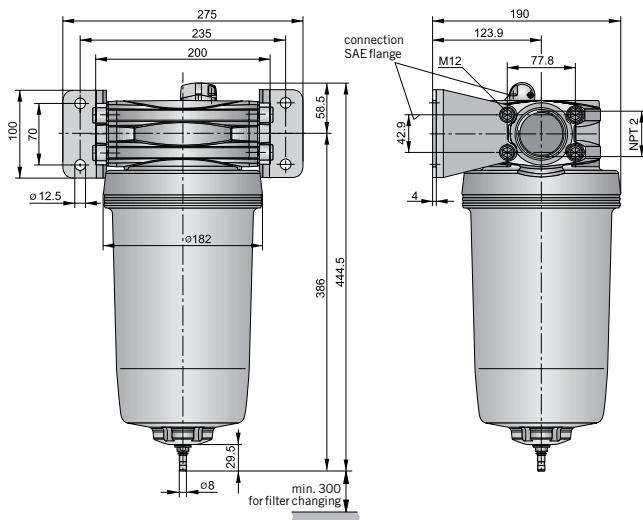
Material Specification

Body:	Aluminium
Filter cover:	ABS
Coalescing element:	Borosilicate & Nano fibres
Top & bottom end cap:	Aluminium
Support cylinders:	Grade 430 stainless steel
Support media:	Polypropylene
Anti re-entrainment barrier:	Polyester
Ensapulate:	Epoxy resin / Hardener
Seals:	Nitrile NBR
Drains: Automatic:	PA / Brass connection

Differential pressure indicator materials:

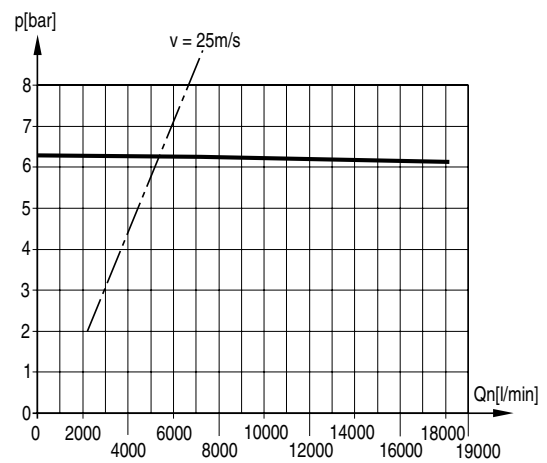
Body:	Acetal
Internal parts:	Acetal
Spring:	Stainless steel
Seals:	Nitrile NBR
Support plate	ABS
Screws	Steel / zinc plated

Dimensions (mm)



Flow characteristics

(2") 0.01µm Coalescing Filter Saturated



Service kits

Description	Order code
0.01 micron coalescing element kit	P3ZKA00ESC
Adsorber element kit	P3ZKA00ESA
Differential pressure indicator kit	P3ZKA00RQ