

Coalescing Filter



- Integral 1/2 or 3/4 ports
- 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 P3XFA pre-filter with a 5 micron element upstream of the coalescing filter.

Options:

P 3 X F A					G		N
BSPP (G)	1	1/2	4	0.01 µm element with DPI standard	D	Combined Manual/Semi Auto Drain	C
NPT *	9	3/4	6			Auto Drain	A

* NPT ports on request
1/2" size only

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 g
1/2	Coalescing Filter 0.01µm, Combined manual/semi auto drain	P3XFA14DGCN	24	16	-10	60	60	217	62	62	320
1/2	Coalescing Filter 0.01µm, auto drain	P3XFA14DGAN	24	16	-10	60	60	217	62	62	320
3/4	Coalescing Filter 0.01µm, Combined manual/semi auto drain	P3XFA16DGCN	24	16	-10	60	60	217	62	62	320
3/4	Coalescing Filter 0.01µm, auto drain	P3XFA16DGAN	24	16	-10	60	60	217	62	62	320

* flow with 6,3 bar inlet pressure and 0,2 pressure drop.

Technical Information

Fluid:	Compressed air
Maximum inlet pressure:	16 bar
Temperature range*:	-10°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:	16 dm ³ /s
Manual / Semi-auto drain:	
Bowl pressure to close drain	0.8 bar
Auto drain:	
bowl pressure to close drain	0.8 bar
Operating range manual override facility	0.8 to 16 bar
Bowl sump capacity:	60 cm ³

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

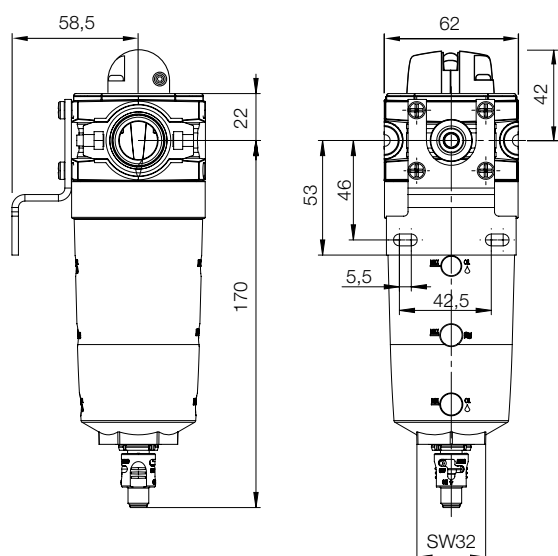
Material Specification

Body:	High tech polymer
Sight glass:	Polypropylene
Filter cover:	ABS
Coalescing element:	Borosilicate & Nano fibres
Top & bottom end cap:	Glass filled nylon - Black
Support cylinders:	Grade 430 stainless steel
Support media:	Polypropylene
Anti re-entrainment barrier:	Polyester
Ensapulate:	Epoxy resin / Hardener
Seals:	Nitrile NBR
Drains:	Manual / Semi-auto: Acetal
	Automatic: PA / Brass

Differential pressure indicator materials:

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

Dimensions (mm)

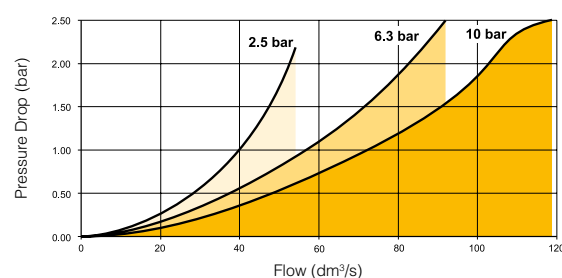


Service kits

Description	Order code
0.01 micron coalescing element kit	P3XKA00ESC
Bowl kit with combines manual/semi auto drain	P3XKA00BSC
Bowl kit with auto drain	P3XKA00BSA
Differential pressure indicator kit	P3XKA00RQ

Flow characteristics

(1/2) 0.01µm Coalescing Filter Saturated



(3/4) 0.01µm Coalescing Filter Saturated

