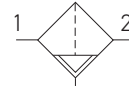


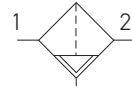
Particulate Filters



Symbols



Manual / Semi auto drain



Auto drain

- Integral 3/4 or 1" ports (BSPP & NPT)
- High efficiency particulate element as standard
- Excellent water removal efficiency
- Robust but lightweight aluminium construction
- Low temperature -40°C with combined manual/semi-auto drain as standard

Options:

P3YFA						N	
BSPP (G)	1	3/4"	6	30 Micron Element Standard	G	Combined Manual/Semi Auto Drain	SC
NPT	9	1"	8	5 Micron Element Optional	E	Auto Drain	SA

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
3/4	Combined manual/semi auto drain/dust filter 30 µm	P3YFA16GSCN	116	17.5	-40	60	130	244	90	94	0.9
3/4	Auto drain/dust filter 30 µm	P3YFA16GSAN	116	17.5	-10	60	130	244	90	94	0.9
1"	Combined manual/semi auto drain/dust filter 30 µm	P3YFA18GSCN	119	17.5	-40	60	130	244	90	94	0.9
1"	Auto drain/dust filter 30 µm	P3YFA18GSAN	119	17.5	-10	60	130	244	90	94	0.9

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

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
3/4	Combined manual/semi auto drain/dust filter 5 µm	P3YFA16ESC�	80	17.5	-40	60	130	244	90	94	0.9
3/4	Auto drain/dust filter 5 µm	P3YFA16ESAN	80	17.5	-10	60	130	244	90	94	0.9
1"	Combined manual/semi auto drain/dust filter 5 µm	P3YFA18ESC�	80	17.5	-40	60	130	244	90	94	0.9
1"	Auto drain/dust filter 5 µm	P3YFA18ESAN	80	17.5	-10	60	130	244	90	94	0.9

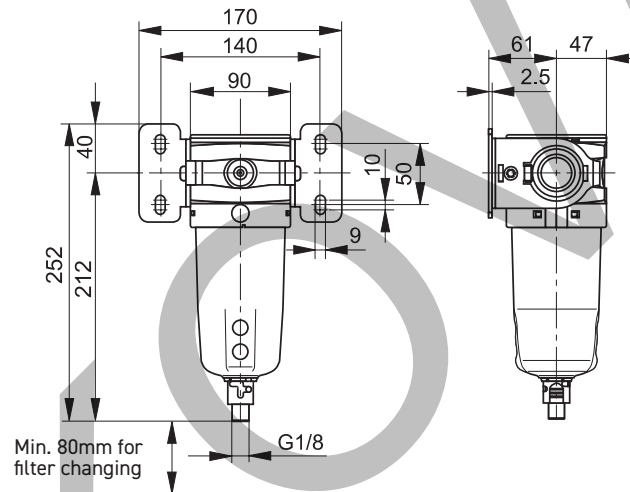
* flow with 6,3 bar inlet pressure and 0,5 pressure drop.

Technical Information

Fluid:	Compressed air
Maximum inlet pressure*:	17.5 bar
Temperature range*:	
Auto drain :	-10°C to +60°C
Combined drain :	-40°C to +60°C
Particle removal:	5 & 30 micron
Typical flow with 30µm element 6,3 bar inlet pressure and 0.5 bar pressure drop:	119 dm ³ /s
Manual/Semi-auto drain:	Closed at 0.8 bar G1/8 thread
Auto drain:	
bowl pressure to close drain	0.8 bar
Operating range	0.8 to 17.5 bar
manual override facility (depress pin)	∅ 10mm brass connection
Bowl sump capacity:	130 cm ³

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

Dimensions (mm)



Service kits

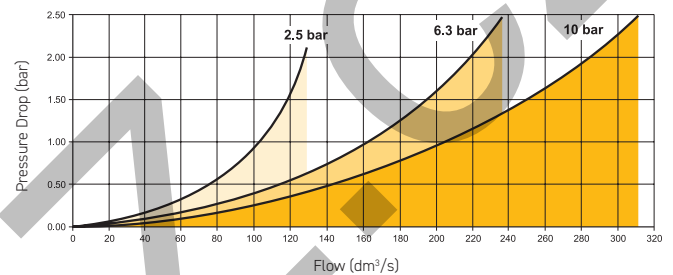
Description	Order code
5 micron element kit	P3YKA00ESE
30 micron element kit	P3YKA00ESG
Bowl kit with combined manual/semi auto drain	P3YKA00BSC
Bowl kit with auto drain	P3YKA00BSA

Material Specification

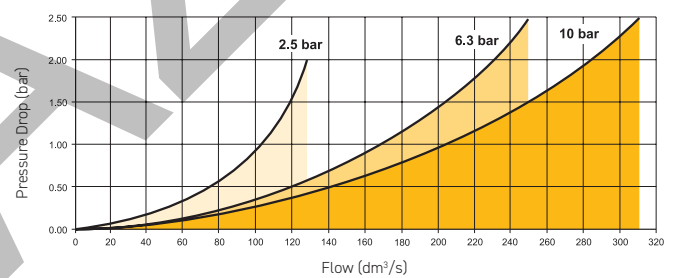
Body:	Aluminium
Sight glass:	Polypropylene
Body cover:	ABS
Element:	Sintered P.E.
Seals:	Nitrile NBR
Drains:	Manual / Semi-auto: Acetal
	Automatic: PA / Brass connection

Flow characteristics

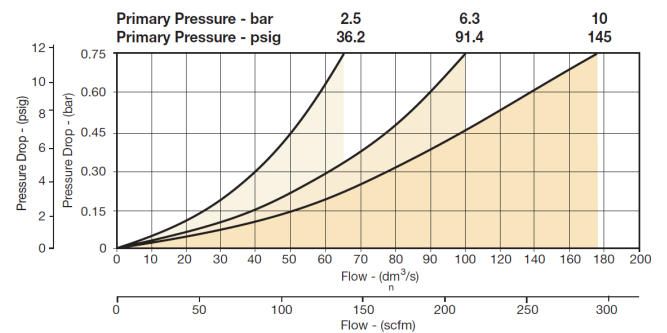
(3/4") 30 Micron Filter



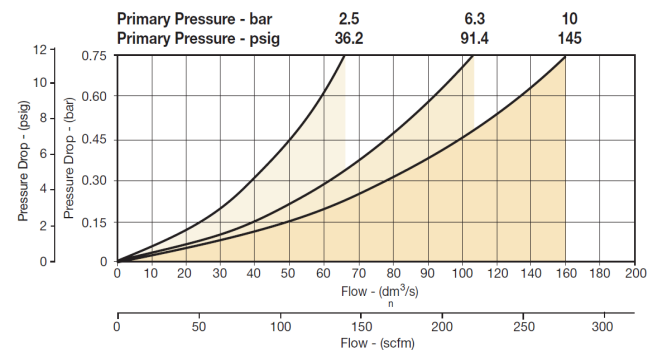
(1") 30 Micron Filter



(3/4") 5 Micron Filter



(1") 5 Micron Filter



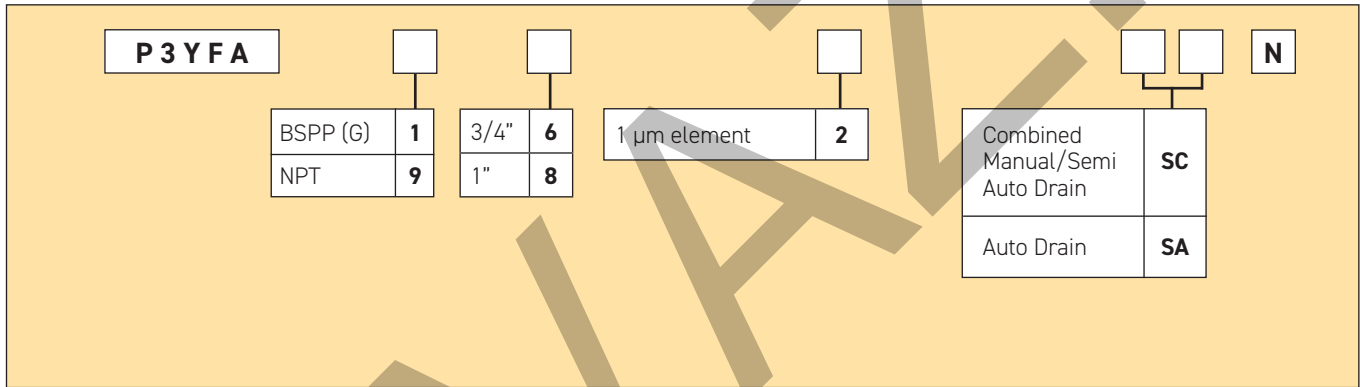
Particulate Filters



- Extended dust filter element provides greater filtration surface area.
- Integral 3/4 or 1" ports (BSPP & NPT)
- Removes dust particles
- Dust free air for critical applications, such as air gauging, pneumatic instrumentation and control

Note: To optimise the life of the dust 1µm element, it is advisable to install a P3YFA pre-filter with a 5 or 30 micron element upstream of the coalescing filter.

Options:



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
3/4	Dust Filter 1µm, Combined manual/semi auto drain	P3YFA162SCN	137	17.5	-10	60	130	360	90	94	1.6
3/4	Dust Filter 1µm, auto drain	P3YFA162SAN	137	17.5	-10	60	130	360	90	94	1.6
1"	Dust Filter 1µm, Combined manual/semi auto drain	P3YFA182SCN	145	17.5	-10	60	130	360	90	94	1.6
1"	Dust Filter 1µm, auto drain	P3YFA182SAN	145	17.5	-10	60	130	360	90	94	1.6

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

Technical Information

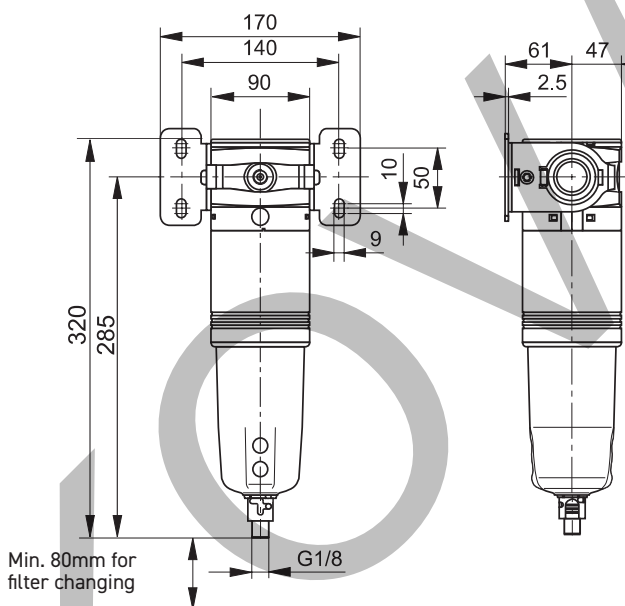
Fluid:	Compressed air
Maximum inlet pressure*:	17.5 bar
Temperature range*:	-10°C to +60°C
Typical flow element @ 6,3 bar inlet pressure and 5 bar pressure drop:	145 dm ³ /s
Manual/Semi-auto drain:	Bowl pressure to close drain 0.8 bar G1/8" thread
Auto drain:	
bowl pressure to close drain	0.8 bar
Operating range manual override facility (depress pin)	0.8 to 17.5 bar Ø 10mm brass connection
Bowl sump capacity:	130 cm ³

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

Material Specification

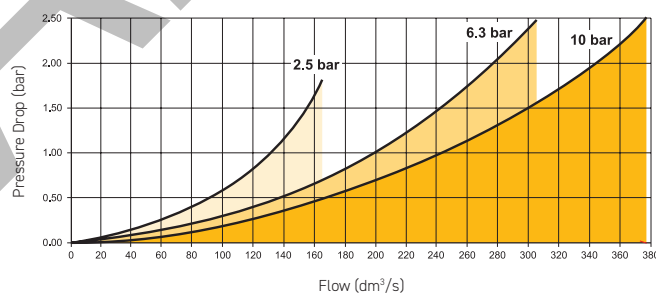
Body:	Aluminium
Sight glass:	Polypropylene
Filter cover:	ABS
Seals:	Nitrile NBR
Drains:	Manual / Semi-auto: Acetal Automatic: PA / Brass connection
Coalescing element:	Borosilicate & Nano fibres
Top & bottom end cap:	Aluminium
Support cylinders:	Grade 430 stainless steel
Support media:	Polypropylene
Ensupulate:	Epoxy resin / Hardener

Dimensions (mm)



Flow characteristics

(1") 1µm Dust Filter Saturated



Service kits

Description	Order code
1 micron coalescing element kit	P3YKA00ES9
Bowl kit with combined manual/semi auto drain	P3YKA00BSC
Bowl kit with auto drain	P3YKA00BSA