

**18 Series Oil Removal Filter
(Coalescing) 1-1/2" and 2" Port Sizes**

- High efficiency oil and particle removal
- Highly visible, prismatic liquid level indicator lens
- Patented quarter turn manual drain
- Can be disassembled without removal from the air line
- Standard service indicator turns from green to red when the filter element needs to be replaced
- Optional electrical service indicator also available



Ordering Information. Models listed include service indicator, automatic drain, metal bowl with sight glass, and PTF threads.

Port Size	Body and Element	Model Numbers	Flow scfm (dm ³ /s)*	Weight lbs (kg)
1-1/2"	Standard	F47-B01-A0DA	250 (118)	15.51 (7.04)
2"	Standard	F47-C01-A0DA	300 (142)	14.26 (6.47)
2"	High Flow	F47-C21-A0DA	600 (283)	22.17 (10.06)

* Maximum flow at 90 psig (6.3 bar) inlet pressure to maintain stated oil removal performance.

Alternative Models

F 4 7 - ★ ★ ★ - ★ ★ ★ ★

Port Size	Substitute
1-1/2"	B
2"	C

Option	Substitute
Standard body and element	0
High flow body and element (use only with 2" ports)	2

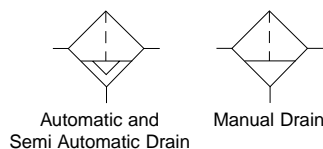
Service Indicator	Substitute
Without	0
With (visual)	1
With (electrical)	4

Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

Bowl	Substitute
Metal with sight glass	D
Metal	M

Element	Substitute
Coalescing	0

Drain	Substitute
Automatic	A
Manual, 1/4 turn	M

ISO Symbols


See Section ALE-24 for Accessories

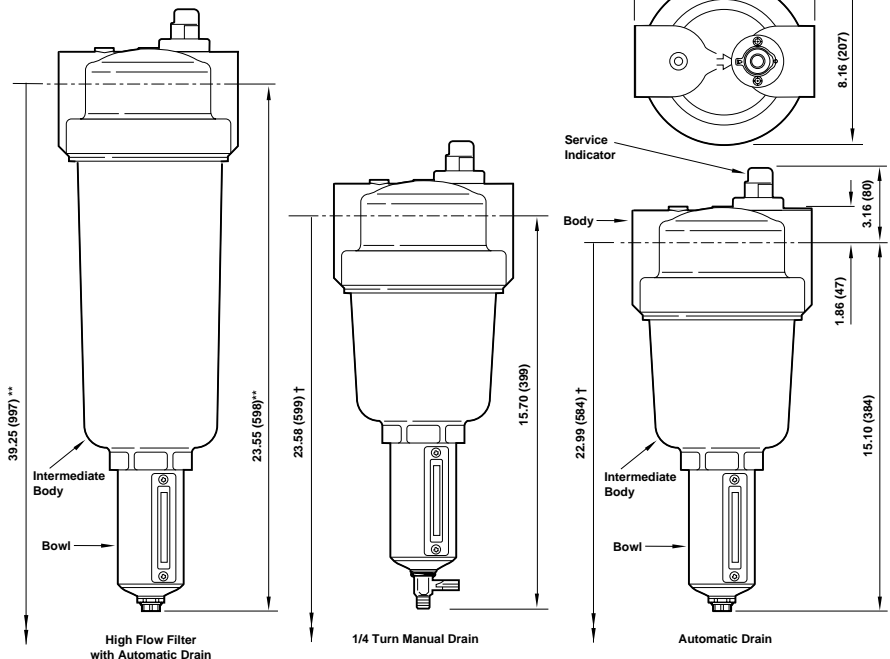


Technical Data

Fluid: Compressed air
 Maximum pressure: 250 psig (17 bar)
 Operating temperature: * -30° to 150°F (-34° to 65°C)
 * Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C).
 Particle removal: Down to 0.01 µm
 Air quality: Within ISO 8573-1, Class 1 (particulates) and Class 2 (oil content)
 Maximum remaining oil content in outlet air: 0.01 ppm at 70°F (20°C) with an inlet concentration of 17 ppm
 Maximum flow for oil-saturated element at 90 psig (6.3 bar) inlet pressure to maintain stated oil removal performance
 1-1/2" Ports: 250 scfm (118 dm³/s)
 2" Ports: 300 scfm (142 dm³/s)
 2" Ports, high flow element: 600 scfm (283 dm³/s)
 Typical flow for dry element at 90 psig (6.3 bar) inlet pressure and 5 psid (0.3 bar) pressure drop
 1-1/2" Ports: 780 scfm (368 dm³/s)
 2" Ports: 830 scfm (392 dm³/s)
 2" Ports, high flow element: 2300 scfm (1086 dm³/s)
 Nominal bowl size: 7 fluid ounce (0.2 liter)
 Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread.
 Automatic drain connection: Will fit 1/8-27 and 1/8-28 pipe thread. - Flexible tube with 3/16" (5mm) minimum I.D. can be connected to the automatic drain. Drain may fail to operate if the tube I.D. is less than 3/16" (5mm). Avoid restrictions in the tube.
 Automatic drain operating conditions (float operated)
 Bowl pressure required to close drain: Greater than 5 psig (0.3 bar)
 Bowl pressure required to open drain: Less than 3 psig (0.2 bar)
 Minimum air flow required to close drain: 2 scfm (1 dm³/s)
 Manual operation: Depress pin inside drain outlet to drain bowl
Materials
 Body, intermediate body, bowl: Aluminum
 Metal bowl liquid level indicator lens: Transparent nylon
 Filter element: Synthetic fiber and polyurethane foam
 Elastomers: Neoprene and nitrile
 Service indicator
 Body: Transparent nylon
 Internal parts: Acetal
 Spring: Stainless steel
 Elastomers: Nitrile

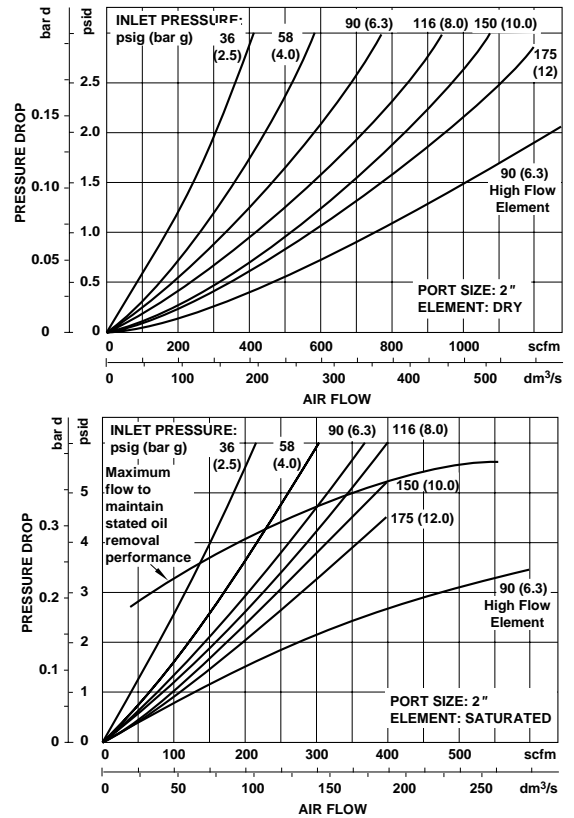
An automatic drain is a two-way valve, which will close when the system is pressurized. The drain opens when the float rises due to accumulated liquid and on depressurization.

All Dimensions in Inches (mm)



** Minimum clearance required to remove intermediate body and bowl. Add 0.59" (15 mm) for 1/4 turn manual drain.
 † Minimum clearance required to remove intermediate body and bowl.

Typical Performance Characteristics



Service Kits

Item	Type	Part number
Element kit	Standard	3203-02
	High flow	3203-05
Sightglass kit	All	2273-08