

F17

17 Series General Purpose Filter

3/4", 1", 1-1/4", 1-1/2" Port Sizes

- Screw-on bowl reduces maintenance time
- Protects air operated devices by removing liquid and solid contaminants
- Can be serviced without the use of tools or removal from the air line
- Optional visual service indicator turns from green to red when the filter element needs to be cleaned or replaced



Technical data

Fluid:

Compressed air, neutral gases

NOTE: Contact technical support for use with other media.

Maximum pressure

250 psig (17 bar)

Operating temperature:*

-30° to 175°F (-34° to 80°C)

*Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C)

Air quality:

Within ISO 8573-1, Class 6 and Class 7 (particulates)

Nominal bowl size:

1 quart (1 liter)

1 pint (0.5 liter)

Manual drain connection:

1/8-27 and 1/8-28 female pipe thread

Automatic drain connection:

1/8-27 and 1/8-28 male pipe thread

Flexible tube with 3/16" (5 mm)

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" (5 mm). 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: aluminum

Bowl: aluminum

Bowl sight glass: Pyrex

Elastomers: chloroprene, nitrile

Filter element, Quart Bowl:

Sintered bronze: 5 µm

Sintered bronze: 40 µm

Filter element, Pint Bowl:

5 µm Polypropylene

40 µm Polypropylene

Ordering information

Models listed include automatic drain, 40 µm element, metal bowl with sight glass, and PTF threads.

ISO Symbols	Port Size	Model Numbers	Flow scfm (dm ³ /s)*	Weight lbs (kg)	Filter elements**	Service kit††
 Auto Drain	3/4"	F17-600-A3DA	325 (153)	4.26 (1.93)	5311-01 (5µm)	5578-05 (all filters)
	1"	F17-800-A3DA	425 (201)	4.15 (1.88)	5311-03 (40µm)	
	1-1/4"	F17-A00-A3DA	425 (201)	4.39 (1.99)		
	1-1/2"	F17-B00-A3DA	425 (201)	4.30 (1.95)		
 Manual Drain						

* Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop.

** Filter elements are sintered bronze

†† Service kit includes bowl o-ring, drain gasket, and element gasket.

Alternative Models

F17-★0★-★★★★★

Port Size	Substitute	Threads	Substitute
3/4"	6	PTF	A
1"	8	BSPP (1-1/2" ported units only)*	C
1-1/4"	A	ISO G parallel (not available with 1-1/2" ported units)	G
1-1/2"	B		
Service indicator	Substitute	Bowl	Substitute
With (visual)	1	1 quart (1 liter) metal with sight glass	D
Without	0	1 quart (1 liter) metal	M
		1 pint (0.5 liter) metal with sight glass	H
		Element	Substitute
		5 µm	1
		40 µm	3
		Drain	Substitute
		Automatic	A
		Manual 1/4 turn	M

Accessories

Wall mounting bracket



6212-50	Port size: 3/4"
6212-50	Port size: 1"
6212-51	Port size: 1 1/4"
6212-51	Port size: 1 1/2"

Service Kits

Service Kits



5578-05

Replacement elements



5 µm: 5311-01
40 µm: 5311-03

Replacement elements Filter element short (Standard)



5 µm: 5511-01
40 µm: 5576-03

Replacement drain

Automatic: 3000-70
Manual (1/4 turn): 619-50

40 µm pint bowl drain kit

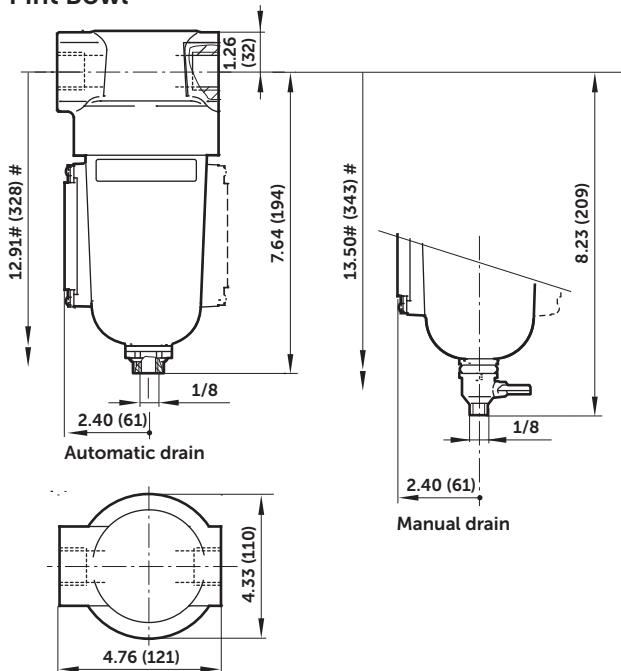
F17-100A

40 µm pint bowl drain kit

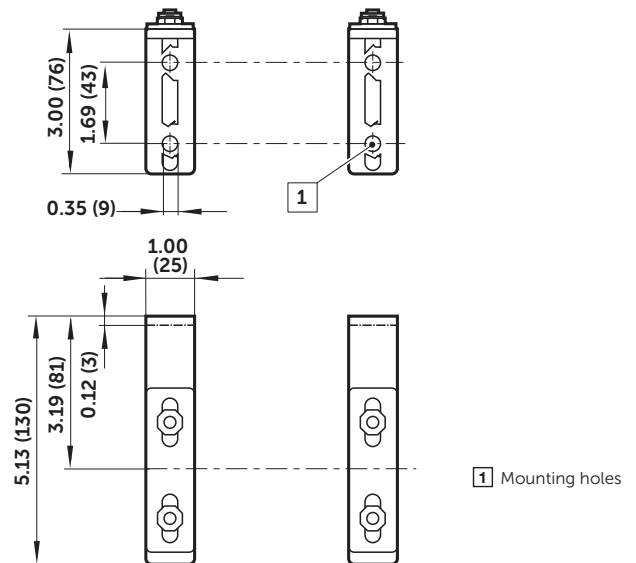
F17-100M

Dimensions

Pint Bowl



Wall mounting brackets 6212-50, 6212-51

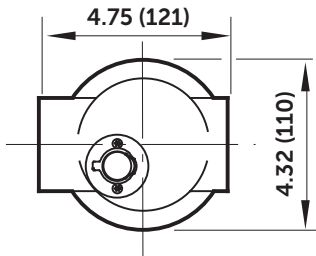


Product Alternative: F68

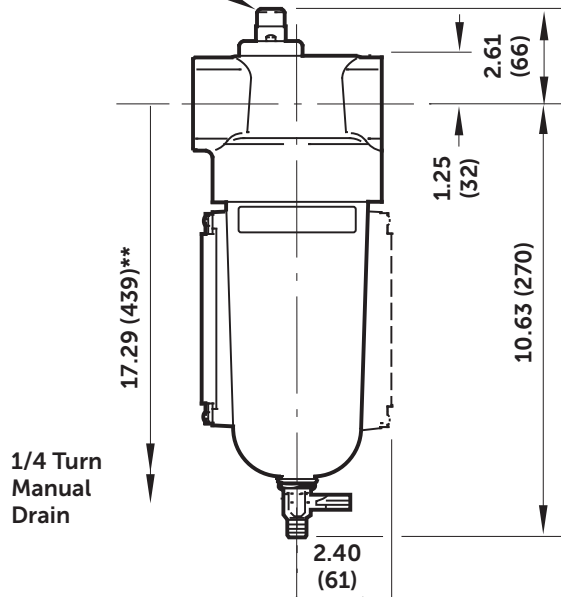
Dimensions in inches (mm)

Dimensions

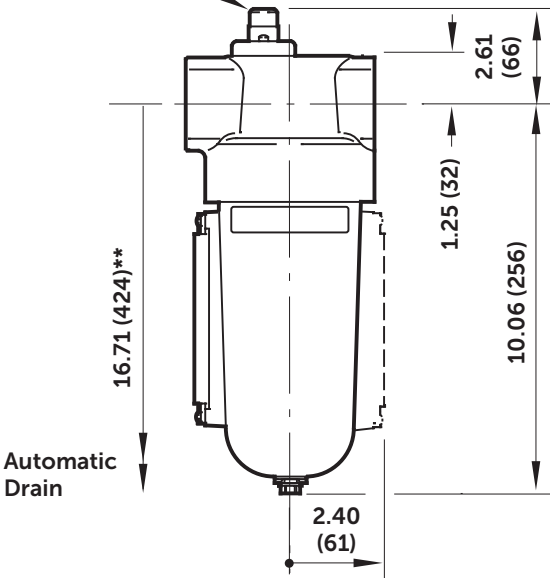
Quart Bowl



Optional
Service Indicator

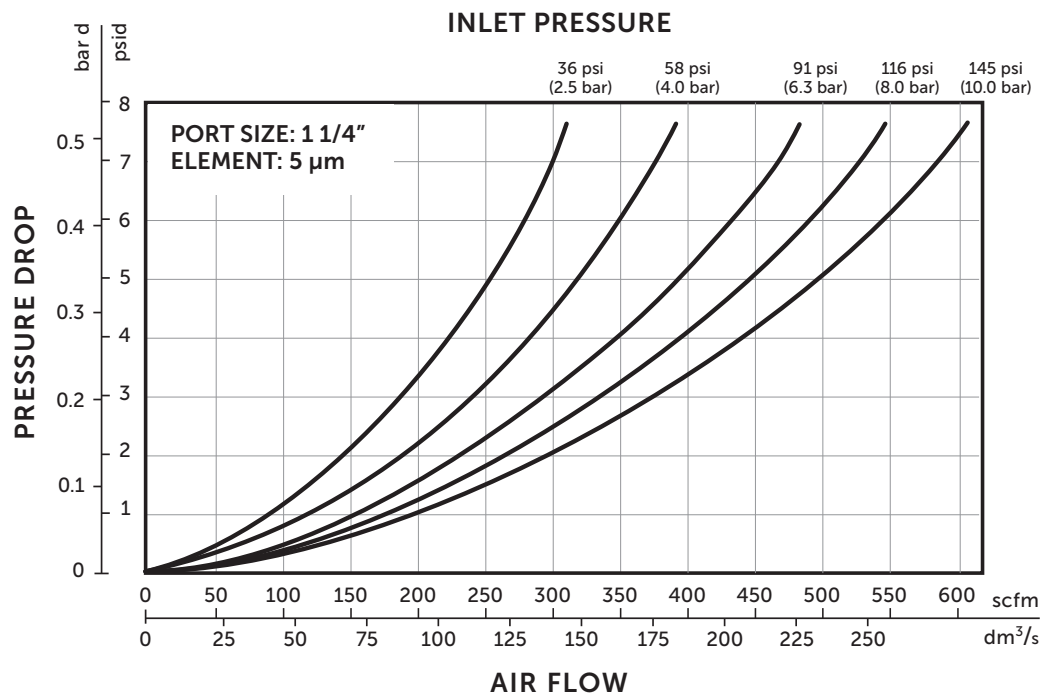
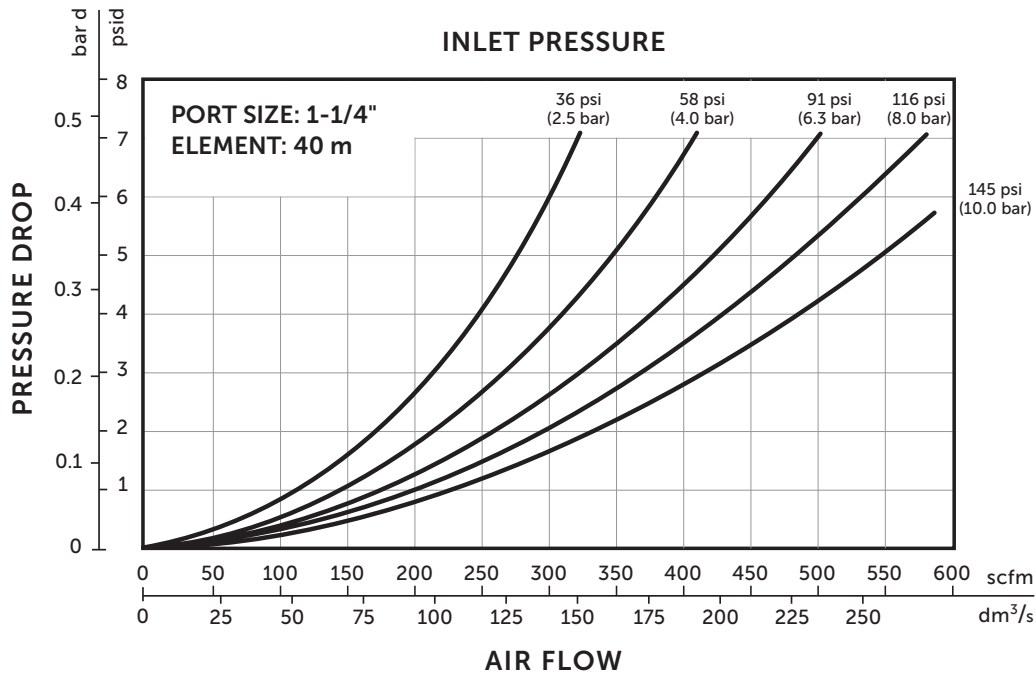


Optional
Service Indicator



Dimensions in inches (mm)

Typical Performance Characteristics



Dimensions in inches (mm)