

**Excelon 73 General Purpose Filter**  
**1/4", 3/8", 1/2" Port Sizes**

- Excelon design allows in-line or modular installation**
- Quick release bayonet bowl**
- Highly visible, prismatic liquid level indicator lens**
- Optional mechanical service indicator turns from green to red when the filter element needs to be replaced**
- Optional electrical service indicator provides electrical output when the filter element needs to be replaced**
- Modular installations with Excelon 72, 73, and 74 series can be made to suit particular applications**



**Ordering information.** Models listed include PTF threads, automatic drain, metal bowl with liquid level indicator, and a 40 µm element.

Port Size	Model	Flow* scfm (dm <sup>3</sup> /s)	Weight lb (kg)
1/4"	F73G-2AN-AD3	53 (25)	1.1 (0.50)
3/8"	F73G-3AN-AD3	65 (31)	1.1 (0.50)
1/2"	F73G-4AN-AD3	69 (33)	1.1 (0.50)

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

**Alternative Models**

Port Size	Substitute	Element	Substitute
1/4"	2	5 µm	1
3/8"	3	25 µm	2
1/2"	4	40 µm	3

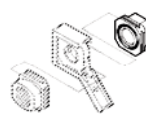
Threads	Substitute	Bowl	Substitute
PTF	A	Metal with liquid level indicator	D
ISO Rc taper	B	Transparent with guard	P
ISO G parallel	G	Transparent	T

Service Indicator	Substitute	Drain	Substitute
With electrical service indicator *	E	Automatic	A
With mechanical service indicator	D	Manual, 1/4 turn	Q
Without	N		

**Accessories**
**Wall mounting bracket\***


F73G 4424-50

**Quikmount pipe adapters**  
 (quantity of 1) (NPT)

 4315-01 (1/4)  
 4315-02 (3/8)  
 4315-03 (1/2)  
 4315-04 (3/4)

**Quikclamp†**


4314-51

**Quikclamp® and wall bracket**


4314-52

\* Bracket kit does not include wall mounting screws.

† Quikclamp is patented (US patent 5372392) and foreign patents.

**ISO Symbols**

**Auto Drain**

**Manual Drain**

**Technical Data**

Fluid: Compressed air

Maximum pressure:

Transparent bowl: 150 psig (10 bar)

Metal bowl: 250 psig (17 bar)

Operating temperature\*:

Transparent bowl: -30° to 125°F (-34° to 50°C)

Metal bowl: -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).

Particle removal: 5 µm, 25 µm, or 40 µm filter element

Air quality: Within ISO 8573-1, Class 3 and Class 5 (particulates)

Typical flow with a 40 µm element at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop: 65 scfm (31 dm<sup>3</sup>/s)

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: 0.2 scfm (0.1 dm<sup>3</sup>/s)

Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size: 3.5 fluid ounce (0.1 liter)

Materials

Body: Aluminum

Bowl

Transparent: Polycarbonate

Transparent with guard: Polycarbonate, steel guard

Metal: Aluminum

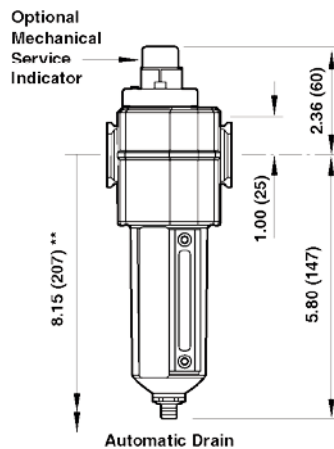
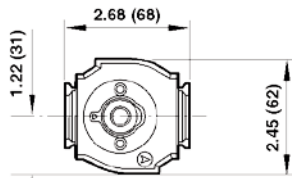
Metal bowl liquid level indicator lens: Transparent nylon

Element: Sintered polypropylene

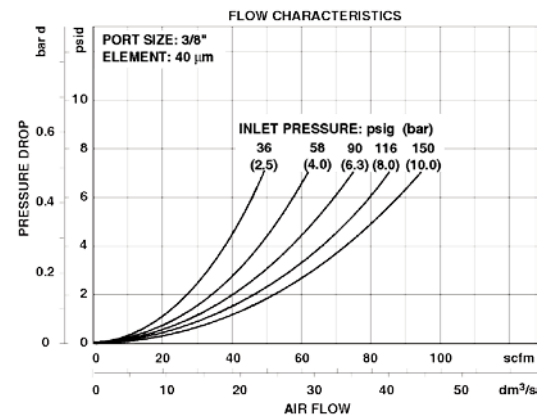
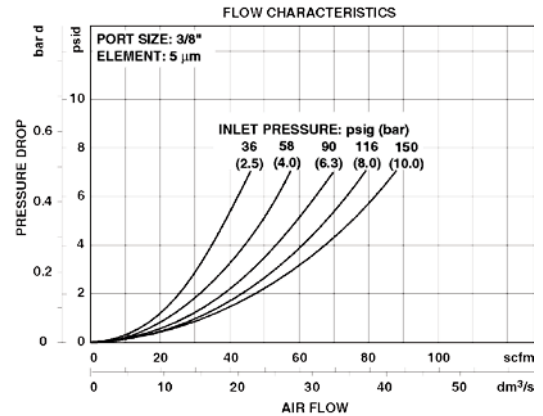
Elastomers: Neoprene and nitrile

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)



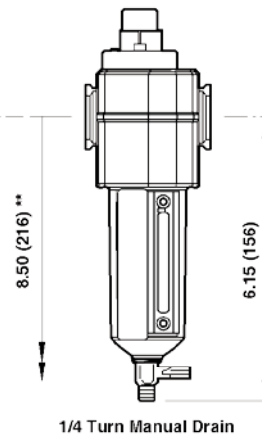
**Typical Performance Characteristics**



**Service Kits**

Item	Type	Part Number
Service kit	Seal & Gasket	4380-600
	5 µm	4438-01
Replacement elements	25 µm	4438-02
	40 µm	4438-03
Liquid level lens kit	Prismatic	4380-020
Replacement drains	Automatic	4000-51R
	Manual quarter turn	619-50

Service kit includes automatic drain seal and bowl seal.



\*\* Minimum clearance required to remove bowl.