

**Excelon F72C Oil Removal Filter  
(Coalescing) 1/4" and 3/8" Port Sizes**

- Excelon design allows in-line or modular installation
- High efficiency oil and particle removal
- Quick release bayonet bowl
- Highly visible, prismatic liquid level indicator lens on metal bowls
- Standard visual service life indicator turns from green to red when the filter element needs to be replaced
- Optional electrical service indicator also available
- Modular installations with Excelon 72, 73, and 74 series can be made to suit particular applications

Install an F72G filter with a 5 µm filter element upstream of the F72C filter for optimum coalescing element life.



**Ordering Information.** Models listed include PTF threads, service life indicator, automatic drain, transparent bowl without guard.

Port Size	Model	Flow <sup>†</sup> scfm (dm <sup>3</sup> /s)	Weight lb (kg)
1/4"	F72C-2AD-AL0	9.5 (4.5)	1.2 (0.54)
3/8"	F72C-3AD-AL0	9.5 (4.5)	1.2 (0.54)

† Maximum flow with 90 psig (6.3 bar) inlet pressure, to maintain stated oil removal performance.

**Alternative Models**

F 7 2 C - ★ ★ ★ - ★ ★ ★

Port Size	Substitute
1/4"	2
3/8"	3

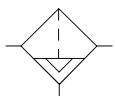
Threads	Substitute
PTF	A
ISO Rc taper	B
ISO G parallel	G

Service Life Indicator	Substitute
With (visual)	D
With (electrical)	E
Without	N

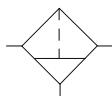
Element	Substitute
Coalescing	0

Bowl	Substitute
Metal with liquid level indicator	E
Transparent without guard	L
Transparent with guard	W

Drain	Substitute
1/4 turn manual	Q
Semi automatic	S
Auto drain*	A

**ISO Symbols**


Automatic and  
Semi Automatic Drain



Manual Drain

**See Section ALE-24 for Accessories**



## Technical Data

Fluid: Compressed air

Maximum pressure:

Transparent bowl: Manual or semi automatic drain: 150 psig (10 bar)

Automatic drain: 116 psig (8 bar)

Metal bowl: Manual or semi automatic drain: 250 psig (17 bar)

Automatic drain: 116 psig (8 bar)

Operating temperature\*: Transparent bowl: -30° to 125°F (-34° to 50°C)

Metal bowl: -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: 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 (21°C) with an inlet concentration of 17 ppm.

Maximum flow with 90 psig (6.3 bar) inlet pressure\*\*: 9.5 scfm (4.5 dm³/s)

\*\* Maximum flow to maintain stated oil removal performance.

Manual drain connection: Will fit 1/8-27 and 1/8-28 pipe thread.

Semi automatic drain connection: Push on 5/16" (8 mm) ID tube

Semi automatic drain operating conditions (pressure operated):

Bowl pressure required to close drain: Greater than 1.5 psig (0.1 bar)

Bowl pressure required to open drain: Less than 1.5 psig (0.1 bar)

Minimum air flow required to close drain: 1 scfm (0.5 dm³/s)

Manual operation: Lift stem to drain bowl

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 dm³/s)

Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size

Long bowl: 2.2 fluid ounce (65 ml)

Materials

Body: Zinc

Bowl

Transparent: Polycarbonate

Guard for transparent bowl: Zinc

Metal: Zinc

Metal bowl liquid level indicator lens: Transparent nylon

Element: Synthetic fiber and polyurethane foam

Elastomers: Neoprene and nitrile

Service life indicator

Body: transparent nylon.

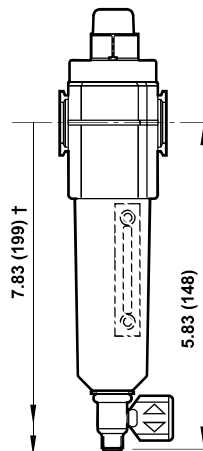
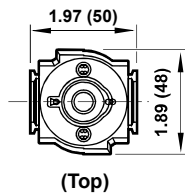
Internal parts: acetal.

Spring: stainless steel.

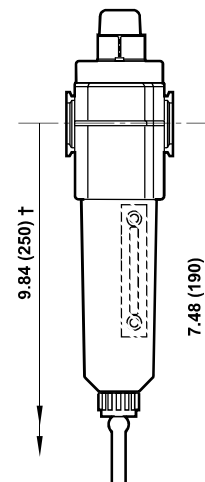
Elastomers nitrile

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.

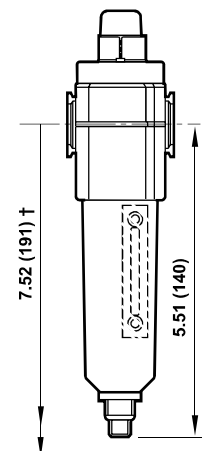
All Dimensions in Inches (mm)



Bowl with  
1/4 Turn Manual Drain



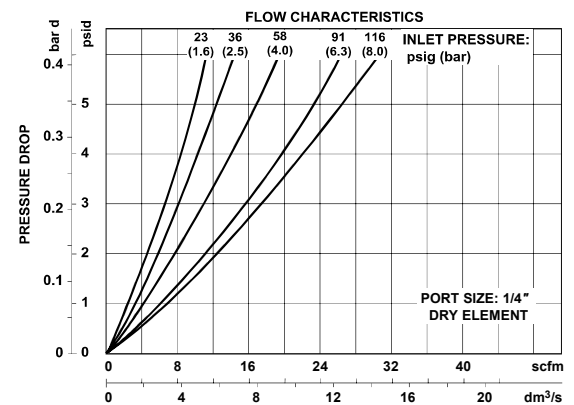
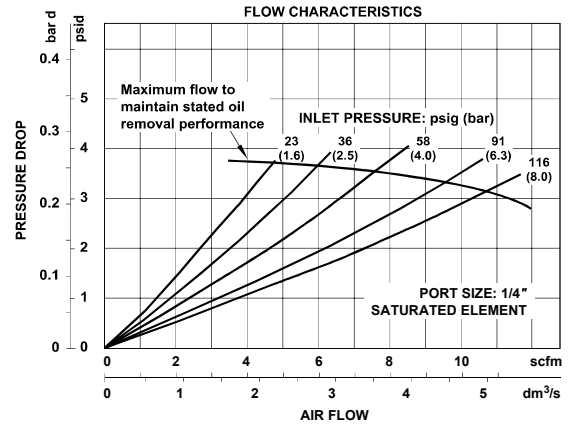
Bowl with  
Semi auto Drain



Bowl with  
Automatic Drain

† Minimum clearance required to remove bowl.

## Typical Performance Characteristics



## Service Kits

Item	Type	Part Number
Service kit	Seal and gasket	4380-500
Element	Coalescing	5925-09
Liquid level lens kit	Prismatic	4380-030
Replacement drains	1/4 turn manual	619-50
	Semi automatic	5379-RK
	Automatic	4000-50R

Service kit includes bowl o-rings.