

Excelon 72 General Purpose Filter 1/4" and 3/8" Port Sizes

- Excelon design allows in-line or modular installation
- High efficiency water and particle removal
- Quick release bayonet bowl
- Highly visible, prismatic liquid level indicator lens on metal bowls
- Optional service 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



Ordering Information. Models listed include PTF threads, automatic drain, long transparent bowl without guard, 40 µm element. Models do not include the service life indicator.

Port Size	Model	Flow [†] scfm (dm ³ /s)	Weight lb (kg)
1/4"	F72G-2AN-AL3	55 (26)	1.15 (0.52)
3/8"	F72G-3AN-AL3	55 (26)	1.15 (0.52)

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

Alternative Models

F 7 2 G - ★ ★ ★ - ★ ★ ★

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
5 µm	1
25 µm	2
40 µm	3

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

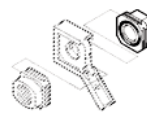
Accessories

Wall mounting bracket*



F72G 4224-50

Quikmount pipe adapters
(quantity of 1) (NPT)



4215-02 (1/4)
4215-03 (3/8)

Quikclamp[®]†



4214-51

Quikclamp[®] and
wall bracket



4214-52

* 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:
 Manual or semi automatic drain: 250 psig (17 bar)
 Automatic drain: 150 psig (10 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: 5 µm, 25 µm or 40 µm. Within ISO 8573-1, Class 3 and Class 5
 Typical flow at 90 psig (6.3 bar) inlet pressure and 5 psig (0.35 bar) pressure drop:

5 µm element: 47 scfm (22 dm³/s)
 40 µm element: 55 scfm (26 dm³/s)

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 (0.35 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

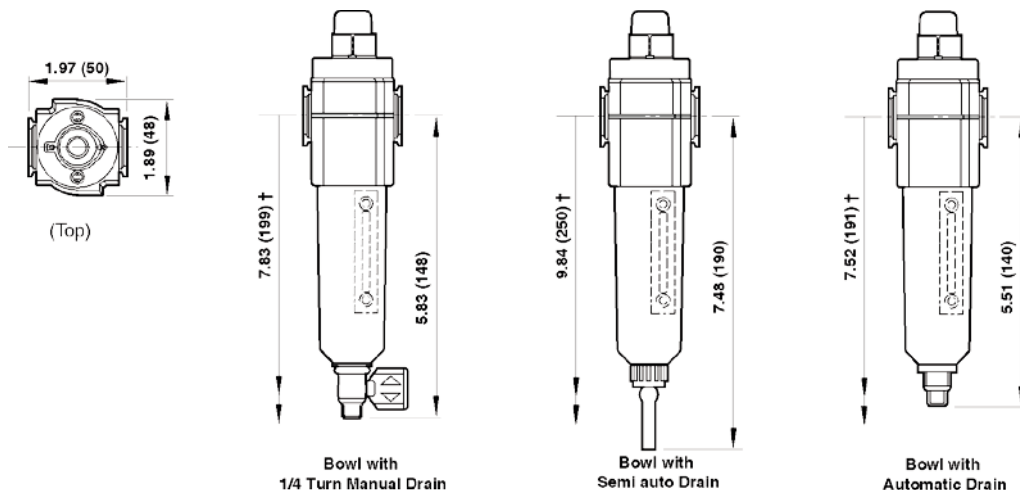
Body: Zinc
 Bowl
 Transparent: Polycarbonate
 Guard for transparent bowl: Zinc
 Metal: Zinc

Metal bowl liquid level indicator lens:
 Transparent nylon

Element: Sintered polypropylene
 Elastomers: Neoprene and nitrile

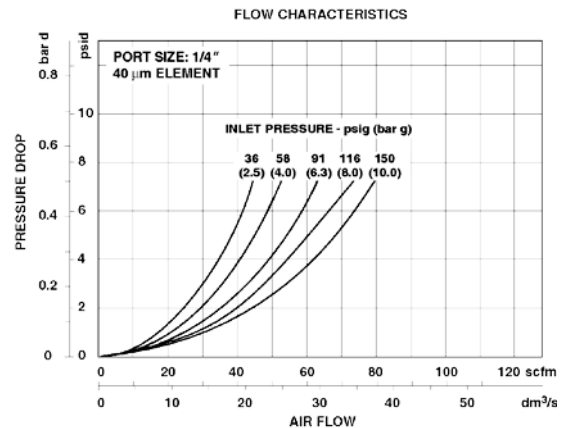
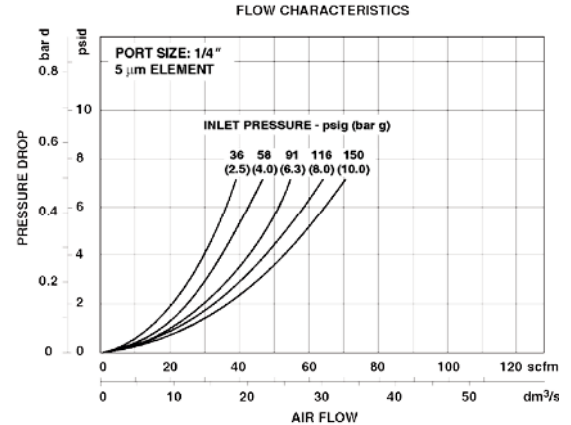
An automatic drain is a two-way valve, which will close when the system is pressurized. The drain opens when the float rises due to accumulated liquid and on depressurization.

All Dimensions in Inches (mm)



† Minimum clearance required to remove bowl.

All Dimensions in Inches (mm)
Typical Performance Characteristics



Service Kits

Item	Type	Part Number
Service kit	Seal and gasket	4380-500
	5 µm	5925-03
Elements	25 µm	5925-01
	40 µm	5925-02
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 drain and bowl o-rings.