

**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 (dm³/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 |

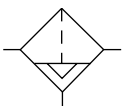
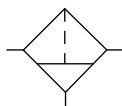
| Service Life Indicator | Substitute |
|------------------------|------------|
| With (visual) | D |
| With (electrical) | E |
| Without | N |

| Element | Substitute |
|---------|------------|
| 5 µm | 1 |
| 25 µm | 2 |
| 40 µm | 3 |

| Bowl | Substitute |
|---|------------|
| Short metal with liquid level indicator | D |
| Long metal with liquid level indicator | E |
| Short transparent without guard | T |
| Long transparent without guard | L |
| Long transparent with guard | W |

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

* Supplied in long bowl options only

ISO Symbols

Auto Drain

Manual Drain
See Section ALE-25 for Accessories



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:

Short bowl: 1.9 fluid ounce (56 ml)

Long bowl: 2.2 fluid ounce (65 ml)

Materials

Body: Zinc

Bowl

Transparent: Polycarbonate

Guard for transparent bowl: Zinc

Metal: Zinc

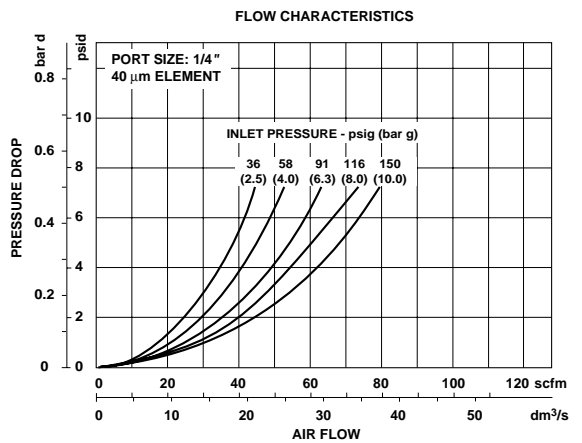
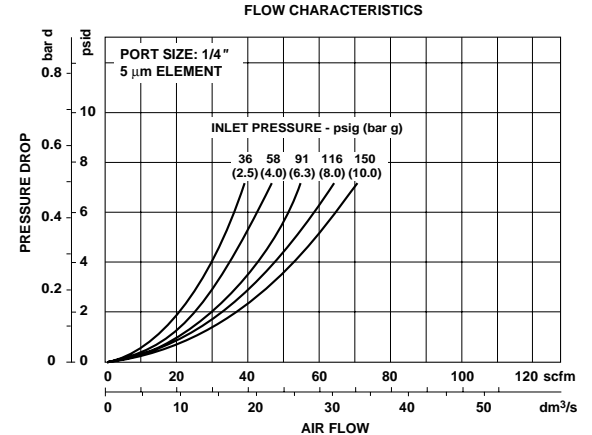
Metal bowl liquid level indicator lens:

Transparent nylon

Element: Sintered polypropylene

Elastomers: Neoprene and nitrile

Typical Performance Characteristics

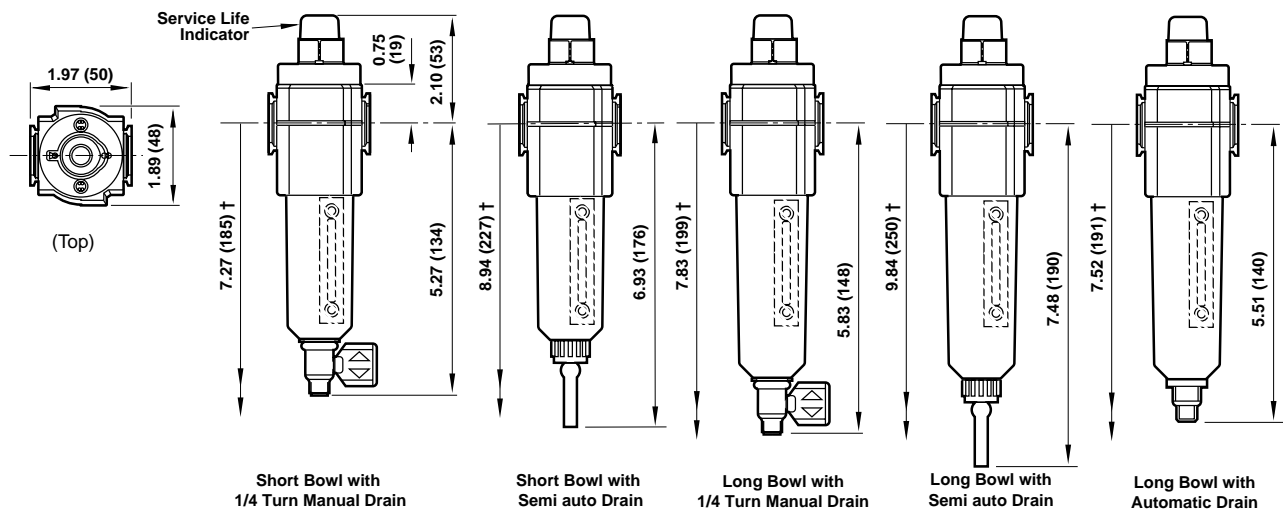


Service Kits

| Item | Type | Part Number |
|-----------------------|-----------------|-------------|
| Service kit | Seal and gasket | 4380-500 |
| Elements | 5 µm | 5925-03 |
| | 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.

All Dimensions in Inches (mm)



† Minimum clearance required to remove bowl.