

**Excelon 74 Oil Removal Filters
(Coalescing) 3/8", 1/2", and 3/4" Port Sizes**

- Excelon design allows in-line or modular installation
- Quick release bayonet bowl
- Highly visible, prismatic liquid level indicator lens
- Standard visual 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

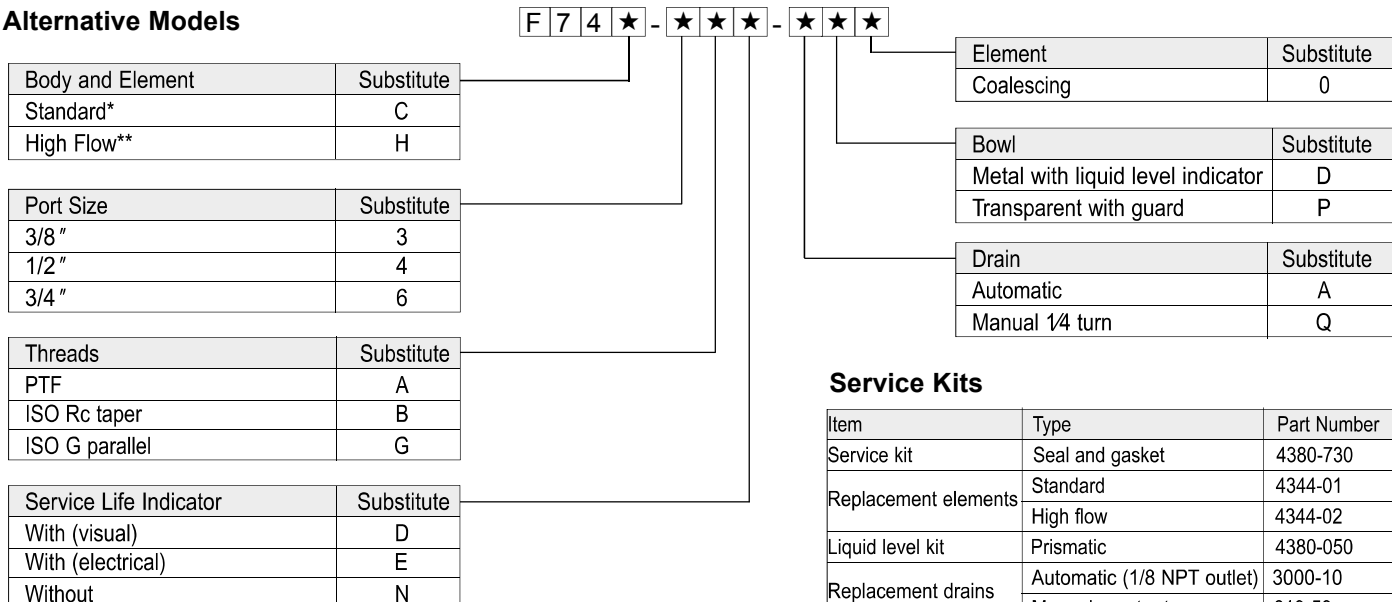


Install an F74G pre-filter with a 5 µm filter element upstream of the F74C and F74H filters for optimum coalescing element life.

Ordering Information. Models listed include PTF threads, service indicator, automatic drain, and a metal bowl with liquid level indicator.

Main Port Size	Body and Element	Model Number	Maximum Flow* scfm (dm ³ /s)	Weight lb (kg)
3/8"	Standard	F74C-3AD-AD0	33.9 (16.0)	1.88 (0.85)
1/2"	Standard	F74C-4AD-AD0	33.9 (16.0)	1.84 (0.83)
1/2"	High Flow	F74H-4AD-AD0	59.3 (28.0)	2.45 (1.11)
3/4"	High Flow	F74H-6AD-AD0	59.3 (28.0)	2.40 (1.10)

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

Alternative Models


* available with 3/8" or 1/2" ports
** available with 1/2" or 3/4" ports

Service Kits

Item	Type	Part Number
Service kit	Seal and gasket	4380-730
Replacement elements	Standard	4344-01
	High flow	4344-02
Liquid level kit	Prismatic	4380-050
Replacement drains	Automatic (1/8 NPT outlet)	3000-10
	Manual quarter turn	619-50

Service kits include element seal, bowl seal and drain seal.

See Section ALE-24 for Accessories



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 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: Down to 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 (20°C) with an inlet concentration of 17 ppm

Maximum flow at 90 psig (6.3 bar) inlet pressure to maintain stated oil removal performance

F74C: 33.9 scfm (16 dm³/s)

F74H: 59.3 scfm (28 dm³/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: 2 scfm (1 dm³/s)

Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size: 7 fluid ounce (0.2 liter)

Materials

Body: Aluminum

Bowl

Transparent: Polycarbonate with steel bowl guard

Metal: Aluminum

Metal bowl liquid level indicator lens: Transparent nylon

Element: Synthetic fiber and polyurethane foam

Elastomers: Neoprene and Nitrile

Service indicator

Body: Transparent nylon

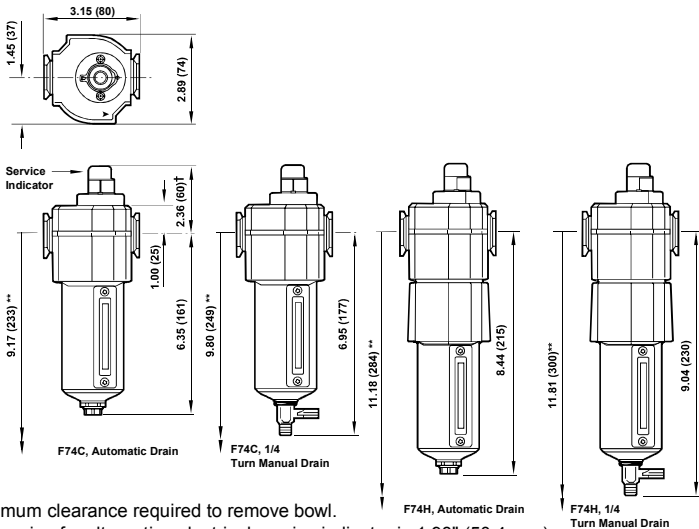
Internal parts: Acetal

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.

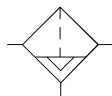
All Dimensions in Inches (mm)



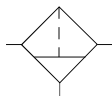
** Minimum clearance required to remove bowl.

† Dimension for alternative electrical service indicator is 1.98" (50.4 mm)

ISO Symbols



Automatic and Semi Automatic Drain



Manual Drain

Typical Performance Characteristics

