

EXCELON® 73
Oil Removal 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**
- **Standard 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 - see page N/AL.8.900.920**
- **Modular installations with EXCELON 72, 73, and 74 series can be made to suit particular applications**

Install an F73G pre-filter with a 5 µm filter element upstream of the F73C filter for optimum coalescing element life.



Technical Data

Fluid: Compressed air

Maximum pressure:

Transparent bowl: 10 bar (150 psig)

Metal bowl: 17 bar (250 psig)

Operating temperature*:

Transparent bowl: -20° to +50°C (0° to +125°F)

Metal bowl: -20° to +65°C (0° to +150°F)

* Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

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 +20°C (+70°F) with an inlet concentration of 17 ppm

Maximum flow at 6,3 bar (90 psig) inlet pressure to maintain stated oil removal performance: 10 dm³/s (21.2 scfm)

Manual drain connection: 1/8"

Automatic drain connection: 1/8"

Automatic drain operating conditions (float operated):

Bowl pressure required to close drain: Greater than 0,3 bar (5 psig)

Bowl pressure required to open drain: Less than 0,2 bar (3 psig)

Minimum air flow required to close drain: 0,1 dm³/s (0.2 scfm)

Manual operation: Depress pin inside drain outlet to drain bowl

Nominal bowl size: 0,1litre (3.5 fluid ounce)

Filter materials:

Body: Aluminum

Bowl:

Transparent: Polycarbonate

Transparent with guard: Polycarbonate, steel guard

Metal: Aluminum

Metal bowl liquid level indicator lens:

Transparent nylon

Element: Synthetic fibre and polyurethane foam

Elastomers: Neoprene and nitrile

Mechanical service indicator materials:

Body: Transparent nylon

Internal parts: Acetal

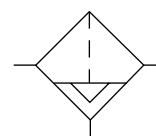
Spring: Stainless steel

Elastomers: Nitrile

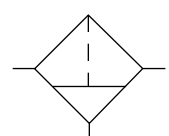
Ordering Information

See *Ordering Information* on the following pages.

ISO Symbols



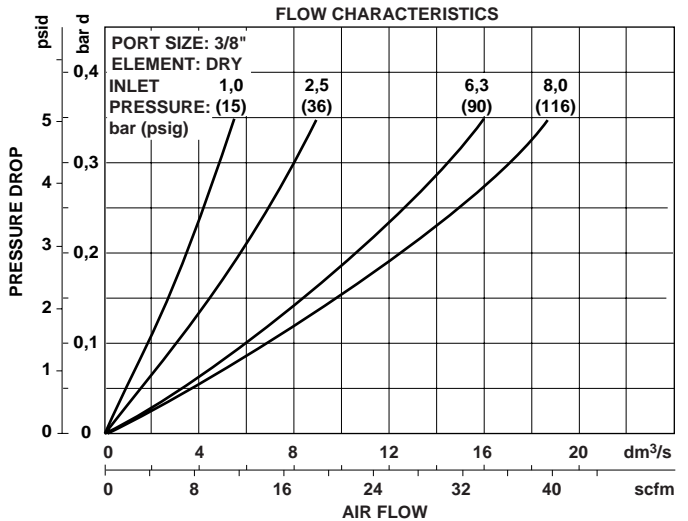
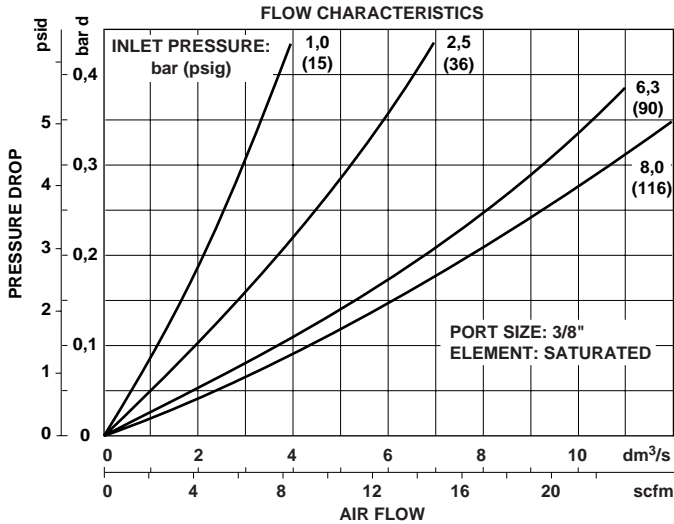
Automatic Drain



Manual Drain



Typical Performance Characteristics



Inlet Pressure bar (psig)	Maximum Flow* dm ³ /s (scfm)
1 (15)	4,0 (8.5)
2,5 (36)	6,3 (13.4)
6,3 (90)	10,0 (21.2)
8 (116)	11,3 (23.9)

* Maximum flow for 3/8" ported filters to maintain stated oil removal characteristics.

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

Port Size	Model	Flow† dm ³ /s (scfm)	Weight kg (lb)
G1/4	F73C-2GD-AD0	10,0 (21.2)	0,54 (1.2)
G3/8	F73C-3GD-AD0	10,0 (21.2)	0,54 (1.2)
G1/2	F73C-4GD-AD0	10,0 (21.2)	0,54 (1.2)

† Maximum flow with 6,3 bar (90 psig) inlet pressure to maintain stated oil removal characteristics.

Alternative Models

F 7 3 C - ★ ★ ★ - ★ ★ ★

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

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

Service Indicator	Substitute
With electrical service indicator *	E
With mechanical service indicator	D
Without	N

Element	Substitute
Coalescing	0

Bowl	Substitute
Metal with liquid level indicator	D
Transparent with guard	P
Transparent	T

Drain	Substitute
Automatic	A
Manual, 1/4 turn	Q

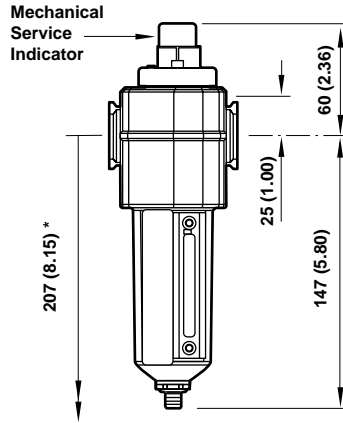
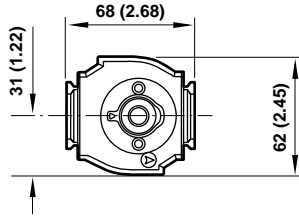
* See page N/AL.8.900.920 for description and specifications.

Accessories

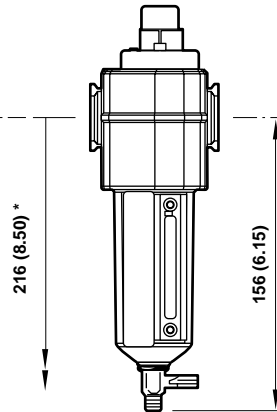
<p>Wall Mounting Bracket</p> <p>4424-50</p>	<p>Mechanical Service Indicator (Field Conversion)</p> <p>5797-50</p>	<p>Electrical Service Indicator (Field Conversion)</p> <p>4020-51R</p>
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Dimensions mm (inches)



Automatic Drain

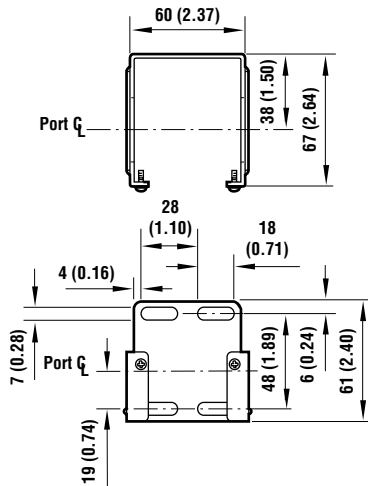


1/4 Turn Manual Drain

* Minimum clearance required to remove bowl.

Bracket Mounting

Use 6mm (1/4") screws to mount bracket to wall.



Bracket Kit Reference

Model	Part No.
All Models	4424-50

Service Kits

Item	Type	Part Number
Service kit	Seal & Gasket	4380-602
Replacement elements	Coalescing	4444-01
Liquid level lens kit	Prismatic	4380-020
Replacement drains	Automatic	4000-51R
	Manual quarter turn	619-50

Service kit includes element o-ring, automatic drain seal and bowl o-ring.



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where *pressures* and *temperatures* can exceed those listed under '**Technical Data**'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult Norgren

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.

Water vapor will pass through these units and will condense into liquid if air temperature drops in the downstream system. Install an air dryer if water condensation could have a detrimental effect on the application.