NORGREN

F64C/H

Olympian Plus
Puraire High Efficiency Coalescing Filter
1/4″, 3/8″, 1/2″, 3/4″ Port Sizes

- **Olympian Plus plug in design**
- **High efficiency oil and particle removal**
- **Quick release bayonet bowl**
- **High visibility prismatic sight glass***
- **Coalescing element service indicator**

* UK and other patents pending

Install an F64G pre-filter with a 5 µm filter element upstream of the F64C filter for optimum coalescing element life.

Technical Data

Fluid: Compressed air
Maximum pressure:
- Guarded transparent bowl: 10 bar (150 psig)
- Metal bowl: 17 bar (250 psig)

Operating temperature*:
- Guarded 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).

Partical removal: 0,01 µm.
Air quality: Within ISO 8573-1, Class 1.7.2
Maximum remaining oil content in outlet air:
- 0,01 ppm at +21°C (+70°C) with an inlet concentration of 17 ppm

Maximum flow at 6,3 bar (90 psig) inlet pressure†:
- 16dm³/s (34 scfm) F64C, 28 dm³/s (60 scfm) F64H

† To maintain stated oil removal performance

Automatic drain connection: 1/8″
Automatic drain operating conditions:
- Minimum pressure: 0,7 bar (10 psig). Drain opens when bowl pressure drops below 0,2 bar (3 psig).
- Minimum air flow: 1 dm³/s (2 scfm) required to close drain.

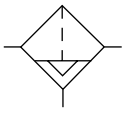
Nominal bowl size:
- 0,2 litre (7 fluid ounce)

Materials:
- Body: Zinc
- Yoke: Zinc
- Metal bowl: Aluminium
- Standard metal bowl prismatic liquid level indicator lens: Grilamid
- Optional metal bowl sight glass: Pyrex
- Optional transparent bowl: Polycarbonate
- Element: Composite materials
- Elastomers: Synthetic rubber
- Service life indicator:
  - Body: Transparent nylon.
  - Internal parts: Acetal.
  - Spring: Stainless steel.
  - Elastomers: Nitrile.

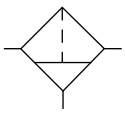
Ordering Information

See *Ordering Information* on the following pages.

ISO Symbols



Automatic Drain



Manual Drain

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Typical Performance Characteristics

Inlet Pressure		Maximum Flow†			
		F64C		F64H	
bar	(psig)	dm^3/s	(scfm)	dm^3/s	(scfm)
1	(15)	6,4	(14)	11,2	(24)
3	(45)	11,0	(23)	19,3	(41)
5	(70)	14,3	(30)	24,9	(53)
6,3	(90)	16,0	(34)	28,0	(59)
7	(100)	16,9	(36)	29,5	(63)
9	(130)	19,1	(40)	33,5	(71)

† Maximum flow to maintain stated oil removal performance.

Ordering Information. Models listed include ISO G threads, automatic drain and metal bowl.

Drain Type	Port Size	F64C/H (only)		With 5µm F64G Pre-filter	
		Model	Weight kg (lb)	Model	Weight kg (lb)
Automatic	G1/4	F64C-2GD-AD0	1,48 (3.26)	FFC64-208	2,47 (5.45)
	G3/8	F64H-3GD-AD0	1,70 (3.75)	FFC64-308	2,69 (5.93)
	G1/2	F64H-4GD-AD0	1,67 (3.68)	FFC64-408	2,66 (5.86)
	G3/4	F64H-6GD-AD0	2,01 (4.43)	FFC64-608	3,02 (6.66)

For replacement Filter (without yoke or pre-filter) substitute 'N' at the 5th and 6th digits eg: F64H-**NN**D-AD0.

Alternative Models

F 6 4 ★ - ★ ★ ★ - ★ ★ ★

Body type	Substitute
For G1/4	C
For G3/8, G1/2, G3/4	H

Port Size	Substitute
1/4"	2
3/8"	3
1/2"	4
3/4"	6

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

Element	Substitute
Coalescing	0

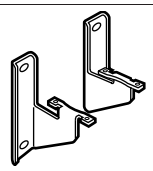
Bowl	Substitute
Metal with liquid level indicator	D
Transparent with guard	P

Drain	Substitute
Manual	M
Auto drain	A

Service Life Indicator	Substitute
With	D
Without	N

Please contact our technical service for details of non standard models including metal bowl with pyrex sight glass, etc.

Accessories



Wall Mounting Bracket

74504-50

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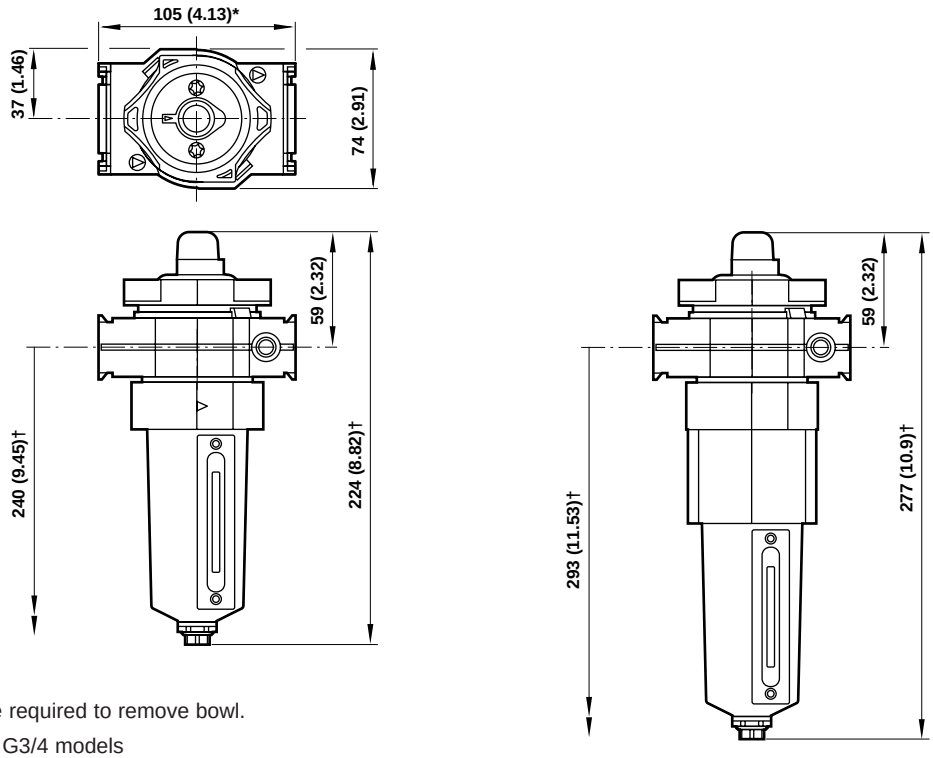
Dimensions mm (inches)

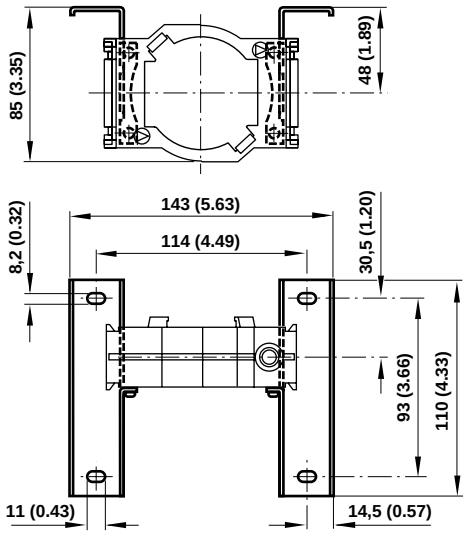


† Minimum clearance required to remove bowl.

* 157 mm (6.18″) for G3/4 models

Bracket Mounting

Use 8 mm (5/16″) screws to mount bracket to wall.



Bracket Kit Reference

Item	Part Number
Wall Bracket	74504-50

Service Kits

Item	Type	Part Number
Service kit	F64C/H	4380-200
Service kit (pre-filter)	F64G	4380-200
Element F64G (pre-filter)	5 µm	4338-01
Element F64C	Coalescing	4344-01
Element F64H	Coalescing	4344-02
Replacement sight glass	Prismatic (standard)	4380-040
	Pyrex	4380-041
Replacement drains	Automatic	3000-97
	Manual	684-84
Service indicator		5797-50

Service kit includes port seals, louvre o-ring, bowl o-ring and drain gasket.

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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.

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