

Olympian Plus
Ultraire High Efficiency Coalescing Filter
1/4", 3/8", 1/2", 3/4" Port Sizes

- **Olympian Plus plug in design**
- **Combined oil and vapour removal filter**
- **Oil mist contamination in outlet air, normally complies with BS4275 (1974)†**
- **Oil and dirt contamination in outlet air within ISO 8573-1: Quality class 1.7.1**

Suitable for paint spray and breathing air applications.

†Note: These units will not remove carbon monoxide, carbon dioxide or other toxic gases or fumes.

For optimum coalescing filter element life install a 5 µm F64G pre-filter upstream.



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 1.7.1

Maximum remaining oil content in outlet air:

0,003 ppm at +21°C (+70°C) with an inlet concentration of 17 ppm

Maximum flow at 6,3 bar (90 psig) inlet pressure†:

7 dm³/s (15 scfm) F64B, 11 dm³/s (23 scfm) F64L

† 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.

For F64G pre-filter technical data please refer to separate sheet.

Materials:

Body: Zinc

Yoke: Zinc

Metal bowl: Zinc

Optional transparent bowl: Polycarbonate

Integral pre-filter element: Sintered bronze

Main filter element and activated carbon pack: Composite materials

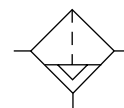
Elastomers: Synthetic rubber

Standard sight glass for metal bowl: Pyrex

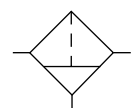
Ordering Information

See *Ordering Information* on the following pages.

ISO Symbols



Automatic Drain



Manual Drain



Typical Performance Characteristics

Inlet Pressure		Maximum Flow†			
bar	(psig)	F64B dm ³ /s	(scfm)	F64L dm ³ /s	(scfm)
1	(15)	2,8	(6)	4,4	(9.3)
3	(45)	4,8	(10)	7,6	(16)
5	(70)	6,2	(13)	9,8	(20.8)
6,3	(90)	7,0	(15)	11,0	(23.3)
7	(100)	7,3	(15.5)	11,5	(24.4)
9	(130)	8,4	(17.8)	13,2	(28)

† 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	F64B/L (only) Model	Weight kg (lb)	With 5 µm F64G Pre-filter Model	Weight kg (lb)
Automatic	G1/4	F64B-2GN-AR0	1,83 (4.07)	FFB64-208	3,20 (7.11)
	G3/8	F64L-3GN-AR0	2,21 (4.91)	FFB64-308	3,57 (7.93)
	G1/2	F64L-4GN-AR0	2,50 (5.56)	FFB64-408	3,60 (8.00)
	G3/4	F64L-6GN-AR0	2,88 (6.40)	FFB64-608	3,98 (8.84)

For replacement Filter (without yoke or pre-filter) substitute 'N' at the 5th and 6th digits eg: F64L-**NNN**-AR0.

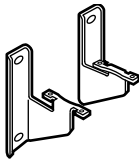
Alternative Models

F 6 4 ★ - ★ ★ ★ - ★ ★ ★

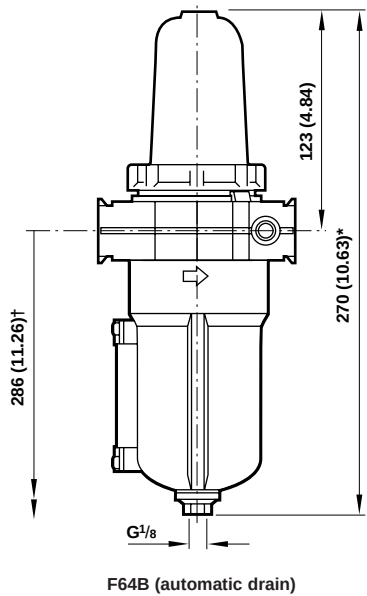
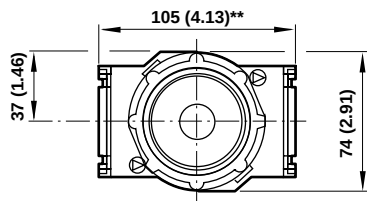
Body type	Substitute	Element	Substitute
For G1/4	B	Coalescing	0
For G3/8, G1/2, G3/4	L		
Port Size	Substitute	Bowl	Substitute
1/4"	2	Metal with liquid level indicator	D
3/8"	3	Transparent with guard	P
1/2"	4		
3/4"	6	Drain	Substitute
		Manual	M
		Auto drain	A
Threads	Substitute	Option	Substitute
PTF	A	None	N
ISO Rc taper	B		
ISO G parallel	G		

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

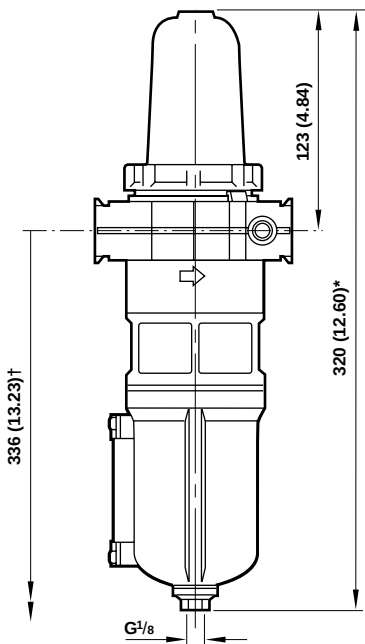
Accessories


Wall Mounting Bracket
74504-50

Dimensions mm (inches)



F64B (automatic drain)



F64L (automatic drain)

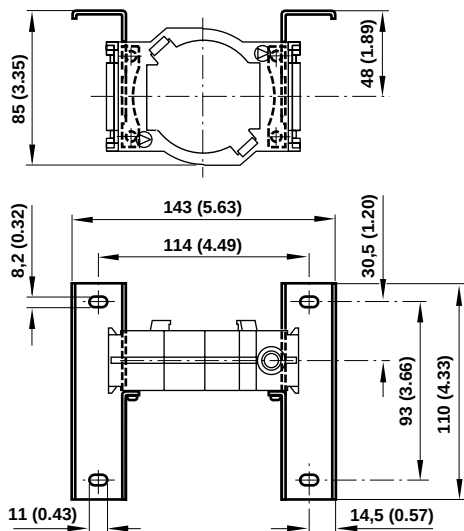
- * Automatic drain shown.
Add 10 mm (0.39") for manual drain
- † Minimum clearance required to remove bowl.
- ** 157 mm (6.18") for G3/4 models

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	F64B/L	4380-201
Service kit (pre-filter)	F64G	4380-200
Element F64G (pre-filter)	5 µm	4338-01
Elements (F64B/L)	Coalescing (F64B)	5350-99
	Coalescing (F64L)	5350-98
	Integral pre-filter (F64B/L)	3698-02
	Activated carbon (F64B/L)	5568-01
Replacement sight glass	Prismatic (F64G)	4380-040
	Pyrex (F64G option)	4380-041
	Pyrex (F64B/L)	2273-97
Replacement drains	Automatic	3000-97
	Manual	684-84

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

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.