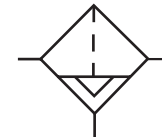


# Ported Pureaire Oil Removal Filters



- High efficiency coalescing oil-removal filters
  - Air quality to ISO 8573-1: Class 1.7.2.
  - Maximum remaining oil content 0,01 ppm, particle removal to 0,01 µm
  - Automatic drains fitted as standard
- Medium:** Compressed Air Only  
**Remaining Oil content at +21°C:**  
 0,01 ppm maximum  
 0,5 ppm maximum (high flow units)

**Particle Removal:**  
 0,01 µm, 1 µm (high flow units)  
**Bowl:**  
 Polycarbonate to BS 6005, Zinc Alloy (optional)  
**Body:** Zinc Alloy  
**Filter Element:**  
 Synthetic Fibre & Polypropylene Foam  
**Elastomers:** Neoprene & Nitrile



**Ambient Temperature:**  
 -20°C to +50°C  
 (Transparent Bowl)

**Inlet Pressure:**  
 0-10 bar (Transparent Bowl)

- > Port size: G1/8 & G1/4
- > Very compact unit
- > Maximum remaining oil content and particle removal to 0,01µm

## Technical features

**Medium:**  
 Compressed air only  
**Maximum inlet pressure:**  
 10 bar (145 psi) Transparent bowl  
 17 bar (246 psi) Metal bowl  
**Filter element:**  
 0,01 µm  
**Remaining oil content:**  
 0,01 ppm at +21°C (+69°F)

**Flow:**  
 see below  
**Port sizes:**  
 G1/8 or G1/4  
**Bowl:**  
 31 ml  
**Drain:**  
 Manual or automatic

**Ambient/Media temperature:**  
 Transparent bowl  
 -34 ... +50°C (-29 ... +122°F)  
 Metal bowl  
 -34 ... +65°C (-29 ... +149°F)  
 Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F)  
 Note:  
 Install an F07 filter with a 5 µm filter element upstream of the F39 filter for maximum service life.

**Materials:**  
 Body: Zinc alloy  
 Bowl: Plastic or Zinc alloy  
 Element: Synthetic fiber and PE foam  
 Seals: NBR

## Technical data, Standardmodels

Symbol	Port size	Flow *1) (dm³/s)	Drain	Bowl	Weight (kg)	Model
	G1/8	2,8	Manual	Plastic	0,13	F39-100-MOTG
	G1/4	3	Manual	Plastic	0,13	F39-200-MOTG
	G1/8	2,8	Automatic	Plastic	0,13	F39-100-AOTG
	G1/4	3	Automatic	Plastic	0,13	F39-200-AOTG

\*1) Max. flow at 6,3 bar

## Option selector

F39-★00-★0★★

Port size	Substitute
1/8"	1
1/4"	2
Drain	Substitute
Automatic	A
Manual	M

Thread	Substitute
PTF	A
ISO G	G
Bowl	Substitute
Plastic	T
Metal	M

## Typical performance characteristics

Inlet pressure (bar)	Flow *1) (dm³/s)
1	1,2
3	2,0
5	2,7
6,3	3,0
7	3,1
9	3,6

\*1) Maximum flow to maintain stated oil removal performance.

## Accessories



### Wall mounting bracket



5939-06

## Service kit

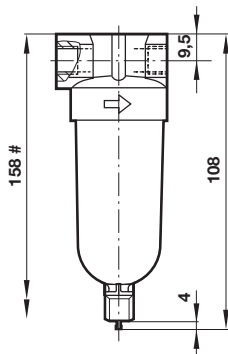
### Automatic drain



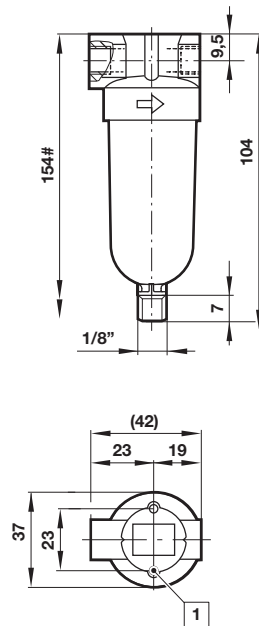
F39-KITA0C

## Dimensions

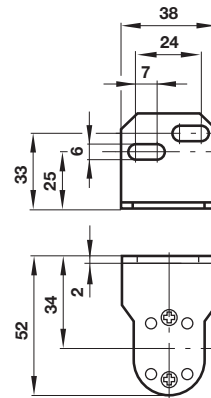
### Manual drain



### Automatic drain



### Wall mounting bracket



Use 1/8" (3 mm) screws to mount bracket to wall.

Dimensions in mm  
Projection/First angle



# # Minimum clearance required to remove bowl

1 Holes  $\varnothing$  4, 13 deep

## 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 features/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 IMI 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.