

- > **Port size: G1/8 & G1/4**
- > **Very compact unit**
- > **Maximum remaining oil content to 0,01 mg/m³**
- > **Particle removal to 0,01 µm**

- > **Air purity classes in accordance to ISO8573-1: Remaining oil aerosol to class 1***

*Tested in accordance with the methods laid out in ISO 12500-1 using an inlet oil aerosol concentration of 4mg/m³.



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 mg/m³ 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

PL foam

Seals: NBR

Technical data, Standardmodels

Symbol	Port size	Flow *1) (dm ³ /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	Thread	Substitute
1/8"	1	PTF	A
1/4"	2	ISO G	G
Drain	Substitute	Bowl	Substitute
Automatic	A	Plastic	T
Manual	M	Metal	M

Typical performance characteristics

Inlet pressure (bar)	Flow *1) (dm ³ /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



Service kit



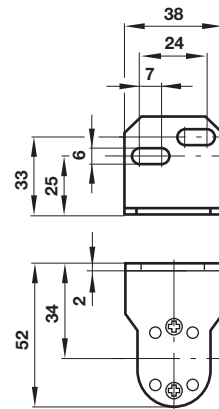
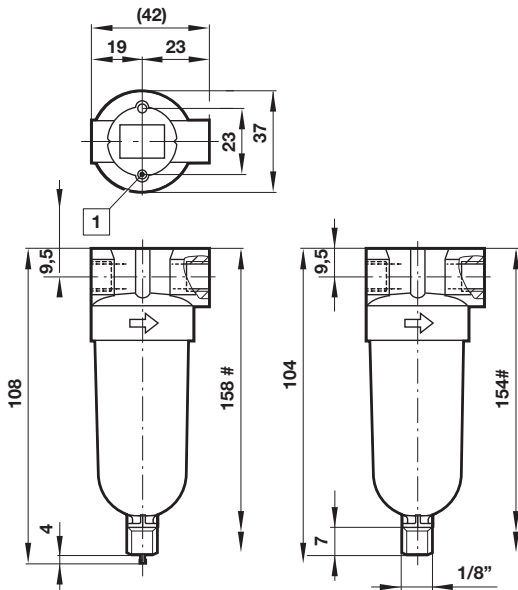
Dimensions

Manual drain

Automatic drain

Wall mounting bracket

Dimensions in mm
 Projection/First angle



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

Minimum clearance required to remove bowl
 1 Holes ø 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 Precision Engineering, Norgren GmbH. 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.