

Developed for aviation and industrial applications.

Microfilters are used as pre-filters for the efficient and continuous removal of solids such as rust, sand and other particulates from aviation fuels and hydrocarbons.

FAUDI Aviation microfilters are used in refineries, terminals and bulk fuel depots, primarily as pre-filters to lengthen the service life of downstream coalescer elements in filter/water separators. FAUDI Aviation microfilters are highly efficient and thus cost effective due to their large filter surfaces area. Microfilters are suitable for filtration of lubricating and hydraulic oils.



Application Areas

- Transfer stations
- Bulk fuel depots
- Refineries
- Filtration of lubricating & hydraulic oils

Technical Data

- | | |
|---|--|
| • Nominal filtration: | .5, 1, 2, 5, 15, 30 & 40 µm |
| • Flow direction: | Out-to-in |
| • Change-out differential pressure: | 1.5 bar (22 psi) |
| • Maximum pressure differential rating: | 5.2 bar (75 psi) |
| • Service time (max.): | 60 months ¹⁾ |
| • Storage time (max.): | 60 months ^{1) 2)} |
| • Operating temperature: | Min. -30°C (-22°F) / Max. 80°C (176°F) |

1) Manufacturer recommendation

2) Manufacturer recommendation: 20°C and max. 50% humidity after date of shipment out of stock of FAUDI Aviation GmbH

Standard Design

- | | |
|-------------------------|---|
| • Outside diameter: | 101 mm (4 inch) |
| • Center tube: | Polyamide, reinforced glass fibre |
| • Gaskets: | NBR (Buna-N) |
| • End caps: | Polyamide, reinforced glass fibre / Stainless steel |
| • Protective outer wrap | |

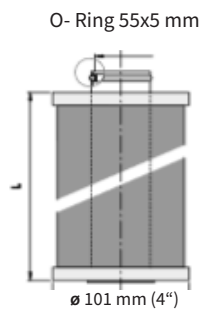
Element Code

2.1-559-

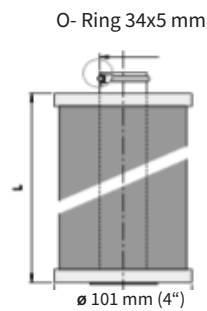
Nominal Filtration in micron (µm) ——— Feature

End Cap Design ——— Nominal Length in mm

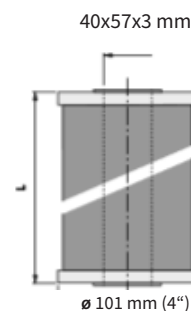
Feature	
B	Conditional resistant
S	Silicone treatment
SF	Silicone free



End Cap Design 1



End Cap Design 2



End Cap Design 3

Element Selection

Nominal Filtration ¹	Nominal Length L		O-Ring		Flat Sealed (Open End)	Max. Flow Rate	
			End Cap Design	End Cap Design	End Cap Design		
µm	mm	inch	1	2	3	lpm	USgpm
.5	559	22	0.5.1-559			280	73
1	559	22	1.1-559	1.2-559		320	84
2	559	22	2.1-559		2.3-559	360	95
5	235	9	5.1-235	5.2-235		400	105
15	559	22	15.1-559		15.3-559	400	105
30	559	22	30.1-559		30.3-559	400	105
40	559	22	40.1-559			400	105

1) The table shows an excerpt from the wide range of filter elements available. Please inquire.