

Dirt Defence Filter Element

DDO-Type (6 inch)



Qualified to specification EI 1599 2nd Edition

Dirt Defence filter (DDO) are designed for the efficient and continuous removal of solids such as rust, sand and other particulates from aviation fuels.

DDO-Type filter elements are primarily used in the filtration of mobile into-plane refueling. Dirt Defence Filters are an economical and reliable alternative to filter monitor elements and its associated SAP* (Super Absorbent Polymer) problem. They are specially designed for retrofitting in a filter monitor vessels. The Dirt Defence Filter shall be used in conjunction with an EI 1598 electronic water sensor, e.g. AFGUARD®.

Application Areas

- Refuellers
- Hydrant dispensers
- Other mobile refuelling units

Technical Data

- | | |
|---|--|
| • Nominal filtration: | According to EI 1599 2nd Edition |
| • Flow direction: | Out-to-in |
| • Change-out differential pressure: | 1.5 bar (22 psi) |
| • Maximum pressure differential rating: | 12 bar (175 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) |

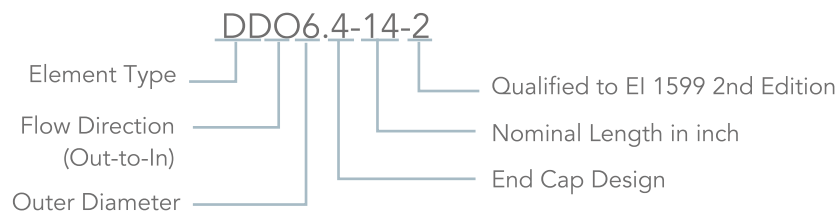
1) Manufacturer recommendation

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

Standard Design

- Outside diameter: 152 mm (6 inch)
- Center tube: Epoxy coated steel
- Gaskets: NBR (Buna-N)
- End caps: Polyamide, glass fiber reinforced / Epoxy coated steel
- Labeling on end caps: According to EI specification

Element Code



Element Selection

Flat Sealed (Open End)					Screw/Threaded Base				
Nominal Length L		End Cap Design	Max. Flow Rate		Nominal Length L		End Cap Design	Max. Flow Rate	
mm	inch		lpm	USgpm	mm	inch		lpm	USgpm
362	14	DDO6.4-14-2	255	67	351	14	DDO6.7-14-2	212	56
727	29	DDO6.4-28-2	515	136	705	28	DDO6.7-28-2	465	122
1093	43	DDO6.4-44-2	775	204	1114	44	DDO6.7-44-2	756	199