

Dirt Defence Filter Element

DDO-Type (2 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)

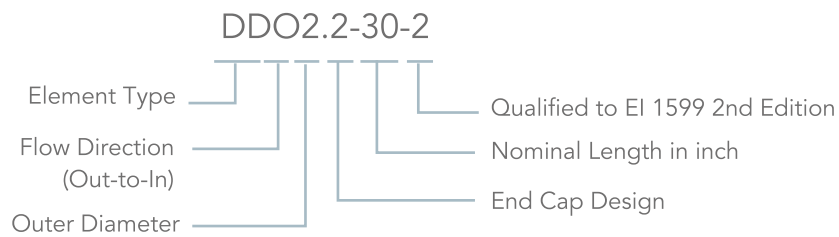
1) Manufacturer recommendation

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

Standard Design

- Outside diameter: 50 mm (2 inch)
- Center tube: Painted steel
- Gaskets: NBR (Buna-N)
- End caps: Polyamide, carbon fibre reinforced
- Labeling on end caps: According to EI specification

Element Code



Element Selection

Nominal Length L		End Cap Design	Max. Flow Rate	
mm	inch		lpm	USgpm
254	10	DDO2.2-10-2	38	10
387	15	DDO2.2-15-2	58	15
514	20	DDO2.2-20-2	77	20
768	30	DDO2.2-30-2	115	30