

Betterfit Diesel series – Pall

Filter elements for HFU and UD3389 series

Coalescence and separation elements for the AquaSep series (LCS and LSS)

Description

The elements in the Betterfit Diesel series are particularly suited to removing particulate contamination and water from diesel fuels.

Existing systems can be optimised with Optimicron® Diesel material which has been specially designed for use with diesel fuels.

The innovative Helios pleat geometry of the ON/DF elements ensures a very high contamination retention capacity combined with low pressure losses.

The ON/DC and ON/DS elements, on the other hand, excel with their excellent dewatering thanks to innovative and newly developed media.

Applications

- Diesel storage, transport and refuelling applications
- Mining
- Ports
- Refineries
- Chemical industry

Advantages

- Good price/performance ratio
- Lower maintenance costs due to longer intervals between element changes
- Significant reduction in pressure loss and integrated pleat stabilisation thanks to innovative Helios pleat geometry
- High level of cleanliness due to graduated depth filter construction
- High contamination retention resulting from effectiveness of depth type filter material
- Coalescence and separation elements with high dewatering rates
- High fluid compatibility
- Element geometry suitable for use in competitor housings

Technical details

General data	
Maximum permitted differential pressure	3.5 bar (for 1.25 ON/DF elements) 1.0 bar (for 1.32 ON/DC and 1.33 ON/DS elements)
Filtration type (ON/DF)	Absolute
Type of filter element	Single-use element
Filtration rating (ON/DF)	3, 5, 10, 20 µm
Beta values (ON/DF)	$\beta_{(x)} > 1000$
Flow direction	1.25 / 1.32 elements: from inside to outside 1.33 elements: from outside to inside
Permitted fluid temperature	-10 °C ... 60 °C*
Permitted storage temperature	5 ... 50 °C
Permitted fluids	Diesel according to EN590, ASTM D975 Biodiesel according to EN14214, B0 to B100 Fuel oil according to EN51603-1 Marine gas oil DMA, DMB, DMC, DMX, DMZ
Sealing material	FPM (FKM, Viton®)
Length	1.25 ON/DF: 20", 40", 60" (others on request) 1.32 ON/DC: 20", 40" 1.33 ON/DS: 20"
Achievable dewatering performance for a combination of ON/DC and ON/DS elements	<50 ppm free water

* or at least 10 °C below the flash point of the fluid used / deployed, ice formation is not permitted

Finding type codes (Betterfit database)

Detailed type code matches between competitor elements and corresponding HYDAC products can be found at:

<https://www.hydac.com/de-en/nc/service/online-tools/betterfit.html>

NOTE

The information in this brochure relates to the operating conditions and applications described.

For applications and/or operating conditions not described please contact the relevant technical department.

Subject to technical modifications.

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