

Betterfit Diesel Series - Pall Filter-, Coalescer- and Separation elements for use in Pall-Housings

Description

The elements of the Betterfit Diesel series are particularly suitable for removing particulate contamination as well as water from diesel fuels. The Optimicron® diesel material, which was specially developed for use with diesel fuels, is used for this purpose to optimize existing systems. The innovative Helios pleat geometry ensures a very high dirt holding capacity combined with low pressure drop.

Applications

- Diesel storage, transport and refueling applications
- Mining (especially nickel, copper, tin or gold mines)
- refineries
- chemical industry

Features

- Good price/performance ratio
- Lower maintenance costs due to longer element replacement intervals
- Greatly reduced pressure drop and integrated pleat stabilization thanks to innovative Helios pleat geometry
- High cleanliness due to graduated depth filter design
- High dirt holding capacity due to large depth effect of the filter material
- High water separation rates of the coalescing and separation elements
- High media compatibility
- Element geometry suitable for use in competitive housings

Technical data

General Data	
Maximum permissible 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
Filterelement type	Disposable element
Filter fineness (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 out to inside
Permissible fluid temperature	-10 °C ... +60 °C *
Permissible storage temperature	+5 ... +50 °C
Permissible fluids	Diesel acc. EN590, ASTM D975 Biodiesel acc. EN14214, B0 bis B100 Fuel oil acc. EN51603-1 Marine Gasoil 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 water removal capacity for 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 / applied.

Crossover (Betterfit database)

Detailed recoding of competitor elements to Hydac products can be found at:
<https://www.hydac.com/de-en/nc/service/online-tools/betterfit.html>

Annotation:

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

In case of deviating applications and/or operating conditions, please contact the relevant specialist department.

We reserve the right to make technical changes.

HYDAC FILTER SYSTEMS GMBH

Industriestraße

D-66280 Sulzbach / Saar

Germany

Phone: +49 (0)6897 / 509-01

Fax: +49 (0)6897 / 509-9046

Internet: www.hydac.com

E-Mail: filtersystems@hydac.com