

Pleatflow TH

Absolute Rated Thermally
Welded Glass Fibre
Liquid Filters



LENNTECH
WATER TREATMENT SOLUTIONS

The contaminants present in well injection fluids can lead to formation blockage ultimately decreasing productivity. PLEATFLOW cartridges will reliably and effectively resolve these issues. The high performance Pleatflow cartridge is specifically manufactured for the filtration of oilfield fluids and its fully thermal welded construction ensures safe operation and optimum filtration performance. Pleatflow elements are manufactured with a rigid outer cage ideally suited for use in harsh oilfield environments and available in a wide range of microns suitable for the protection of oilfield formations.



Contact Information

LENNTECH
WATER TREATMENT SOLUTIONS

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Benefits

- Fully thermally welded, no glue or adhesives.
- Rigid support cage.
- All Pleatflow cartridges are Beta 5000 rated (efficiency 99.98%).
- 3-layer construction; glass fibre between polyester filter layers for maximum removal performance, strength and stability.
- Especially designed for the offshore industry.
- World wide stocking for standard products.
- Colour code micron rating for easy recognition.
- Retrofits for all types and brands.

Applications

- Completion fluids
- Work over fluids
- Gravel pack fluids
- Waste water
- Diesel, fuel & oil
- Surface water intake
- Polishing brines
- Gels, amines & glycols
- Process water
- Pre filtration RO
- Stimulation fluids
- Acids



ENGINEERING YOUR SUCCESS.

Pleatflow TH

SPECIFICATIONS

Materials of Construction

Type of Construction

- 100% thermally welded, pleated glass fibre media supported by all-polypropylene construction

Filter Media

- Glass fibre

Media Support Layers

- Polyester

Media Support Core

- Molded polypropylene

Media Support Cage and Thermally Welded

End Caps

- Molded polypropylene

Seal Materials

- Buna-N
- Others on request*

Dimensions

Cartridge Outside Diameter

- 2.5" (64 mm)

Cartridge Inside Diameter

- 1.1" (28 mm)

Cartridge Length

- 40" (1005 mm)

Connection

- Type 222 (code 3)

Filtration Area

- 12.9 ft² (1,2 m²) per 40" cartridge

Filtration Rating

- 0.5 - 50 micron

Maximum Recommended Operating Conditions

Temperature

- 176°F (80°C)

Allowable ΔP

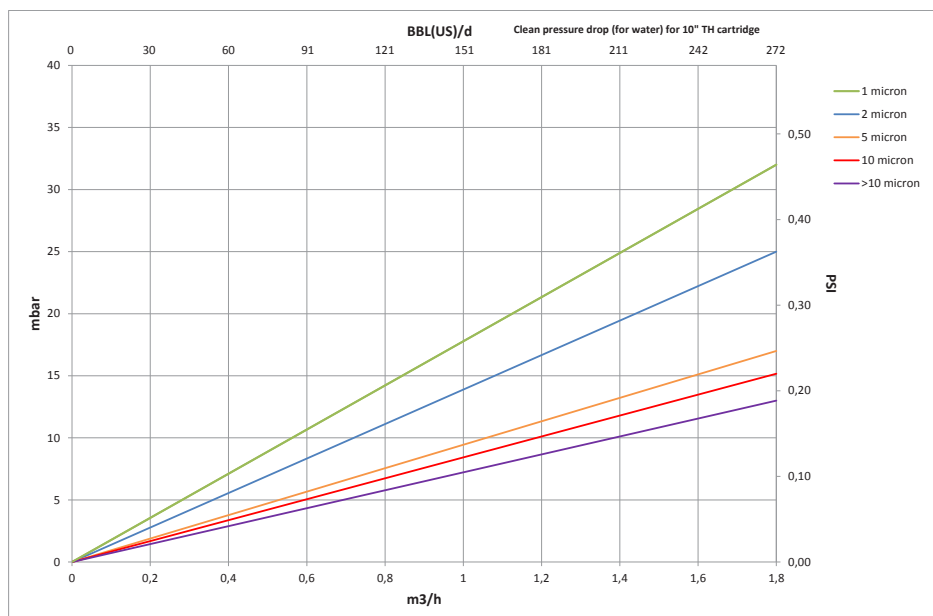
- 37 psi (2,5 bar)

Flow Rate

- 44 bbl/hr (7 m³/hr) per 40" length @ 68°F (20°C)

End Cap Configuration

222 O-ring SOE / Flat



Ordering Information

TH

Filter Rating

Code	Micron	Colour
0.5	0.5	Dark blue
1	1	Green
2	2	White
5	5	Orange
10	10	Red
20	20	Grey
25	25	Yellow
30	30	Light green
40	40	Light blue
50	50	Brown
Others on request		

Nominal Length

Code	Inch	mm
40	40	1005
Others on request		

End Cap Configuration

Code	Description
2OF	222 Single Open End / Flat
2OS	222 Single Open End / Spear
Others on request	

Special Option

Code	Description
V	Viton O-ring
HT	High Temperature
Others on request	



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