

# Pleatflow TH

Absolute Rated Thermally  
Welded Glass Fibre  
Liquid Filters



**EFC**  
FILTRATION

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.



## 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.

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## 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 ft<sup>2</sup> (1,2 m<sup>2</sup>) per 40" cartridge

#### Filtration Rating

- 0.5 - 50 micron

### Maximum Recommended Operating Conditions

#### Temperature

- 176°F (80°C)

#### Allowable ΔP

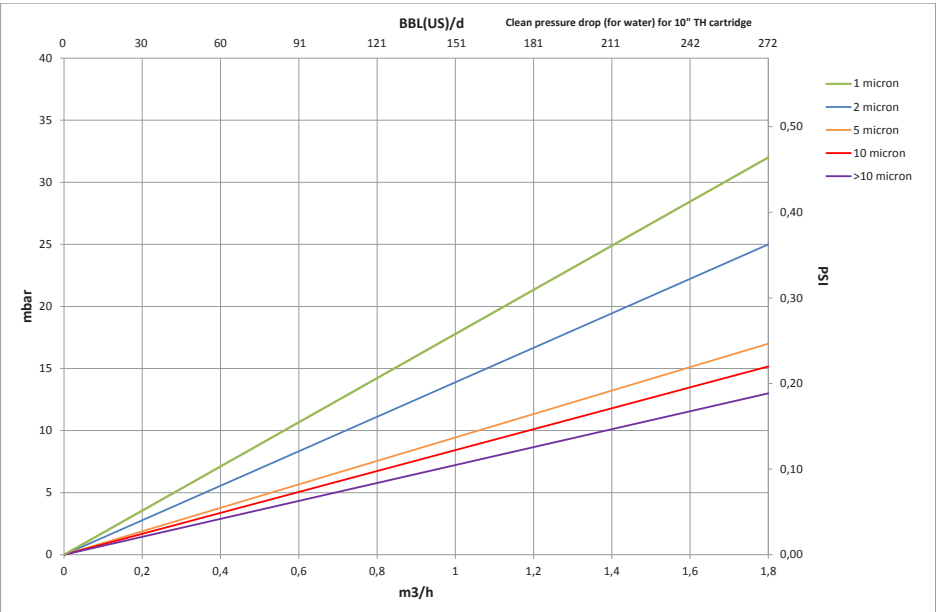
- 37 psi (2,5 bar)

#### Flow Rate

- 44 bbl/hr (7 m<sup>3</sup>/hr) per 40" length  
@ 68°F (20°C)

### End Cap Configuration

222 O-ring SOE / Flat



### Ordering Information

TH

Filter Rating			Nominal Length			End Cap Configuration		Special Option	
Code	Micron	Colour	Code	Inch	mm	Code	Description	Code	Description
0.5	0.5	Dark blue	40	40	1005	2OF	222 Single Open End / Flat	V	Viton O-ring
1	1	Green	Others on request			2OS	222 Single Open End / Spear	HT	High Temperature
2	2	White				Others on request		Others on request	
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									