

### Pleated filters

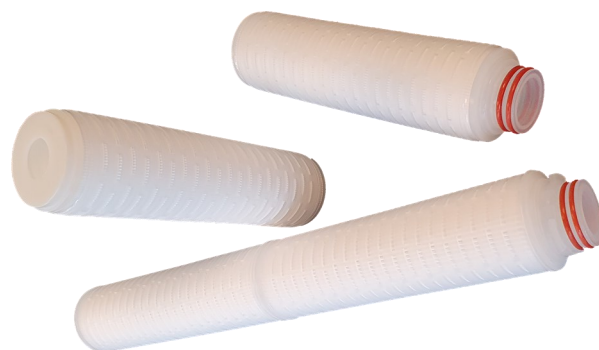
A pleated filter is a highly effective absolute filter. The high surface and up to 5 layers results in a great performance. The full polypropylene construction ensures a broad range of chemical compatibility and makes the pleated cartridges suitable for the filtration of a wide range of applications including aggressive, viscous chemicals and solvents. Pleated filters are often the solution when it comes to high quality filtering with low costs.

#### Benefits

- Consistent particle removal efficiencies
- High chemical resistance
- Up to 99.99% efficient
- No fibre migration
- Fit into most existing filter housings
- Simple to install and remove
- Materials of construction comply with FDA regulations (21CFR)

#### Applications

- Water treatment
- Food
- Beverages
- Chemicals
- Process water
- Pre filtration for membranes



#### Specifications

Materials	
Filter media	PP, PL, PES, Glass Fibre
Casing	PP
Sealing	Silicone, NBR, EPDM, FPM & PTFE
Dimensions	
Outside diameter	68 mm
Inside diameter	28 mm
Selectivity	0,1 - 100 µ
Length	10" - 60"
Other	
Surface	0,7 M <sup>2</sup> / 10"
Connection	Code 0, 2, 3, 7 & 8
Differential pressure	1.5 bar
Max. temperature	80 °C
Max. working pressure	10 bar

PL	Length (shoulder to shoulder)	Material	Rating in µ	End Cap Configuration	Gaskets/O-rings
	10" (252 mm) ± 2 mm	PP (Polypropylene)	0,1 / 0,2 / 0,45 1 / 3 / 5 / 10 20 / 50 / 75 / 100	C0 (DOE)	N (NBR Buna)
	20" (508 mm) ± 2 mm	PL (Polyester)		C2 ( 226 bayonet/flat)	S (Silicone)
	30" (762 mm) ± 3 mm	PES (Polysulfone)		C3 (222 plug/flat)	E (EPDM)
	40" (1016 mm) ± 3 mm	GF (Glass Fibre)		C7 (226 bayonet/fin)	F (FPM/Viton®)
	50" ( 1170 mm) ± 4 mm			C8 (222 plug/fin)	P (PTFE Encapsulated)
	60" (1524 mm) ± 4mm				

Example orderingcode: PL10PL0,45C2E

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### Glass fibre pleated

The LFS glass fibre pleated filter cartridges is made high end microfibre glass filter media. With special polyester support layers gives the pleated not only extra strength but also better performance. This results in a high performance filter cartridge, that ensures a high flow, low pressure drops.

Because of the special design and the high performance cartridge is the dirt holding capacity very high



### Benefits

- Rated at 99,98% efficiency
- High capacities at low pressure drops
- Broad chemical compatibility
- High dirt holding capacity
- Welded end caps

### Applications

- Fuels
- LPG
- Pipeline Pigging
- Pre filtration RO
- Completion Fluids
- Brines
- Process Water
- Waste Water
- Gels, amines & glycols

### Specifications

#### Materials

Filter media	Glass fibre
Media support core	Polyester
End caps	Polypropylene
Seal	NBR / EPDM / FPM

#### Dimensions

Outside diameter	65 mm
Length	10", 20", 30", 40"

#### Other

Max. temperature PP	65°C
Change out	2,5 bar
Filtration area	0.31 m <sup>2</sup> /10"
Micron rating	0.45, 1, 2, 3, 5, 10, 30, 50

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LFS introduces its LHFB high flow Series. It was originally designed for low solids applications requiring high flow rates, but it is a great option for almost any application. The unique design of this pleated element provides a large effective filter surface area within the space constraints of a standard 6" cartridge diameter while flow is maximized through the use of a large ID. The LHFB high flow Series element is designed to fit inside existing housings and provide an positive O-ring seal without housing modification. They are available with polypropylene pleated material or glass fibre.



### Benefits

- Gradient pore structure
- Up to 110 m<sup>3</sup>/h flow rate for water filtration
- Maximum 50% reduction of filter systems
- Design allows for easy installation and extraction resulting in an operator friendly element.
- As a result of the inside to outside flow path, all filtered contaminant is contained inside the element for clean disposal.

### Applications

- Fuels
- LPG
- Pipeline Pigging
- Pre filtration RO
- Completion Fluids
- Brines
- Process Water
- Waste Water
- Gels, Amines & Glycols

### Specifications

#### Materials

Filter media	Polypropylene, Glass fibre, Polyester
Media support core	Polypropylene
End caps	Polypropylene
Seal	NBR or EPDM

#### Dimensions

Outside diameter	152 mm (6")
Inner diameter	76 mm (3")
Length	528 mm (20"), 1022 mm (40"), 1538 (60")

#### Other

Max. temperature PP	60°C
Change out	1,5 bar
Max flow rate 60"	110 m <sup>3</sup> /hr
Micron rating	0.5, 1, 5, 10, 20

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LFS introduces its LMF high flow Series. It was originally designed for low solids applications requiring high flow rates, but it is a great option for almost any application. The unique design of this pleated element provides a large effective filter surface area within the space constraints of a standard 6" cartridge diameter while flow is maximized through the use of a large ID. The LMF cartridges provides a cost effective alternative to wound and other 2 1/2 inch OD style filter cartridges in high flow applications such as reverse osmosis pre-filtration and similar applications where nominal efficiency is sufficient. Cartridge can handle flow rates up to 1300 lpm), the LMF high flow Series element is designed to fit inside existing housings and provide an positive o-ring seal without housing modification. They are available with polypropylene pleated material or cellulose. The inside core guarantees an extra strength and a decent filter. A built in handle make cartridge installation reliable, fast and easy.



### Benefits

- High dirt holding capacity, long service life
- High flow capacity means fewer cartridges and reduces labour costs to change.
- O-ring design cause no bypass to ensure the filtration efficiency
- Built in handle makes change fast, easy and safe.
- Wide chemical compatibility for different applications

### Applications

- Potable Water
- Pre filtration RO
- Petrochemicals
- Paints and coatings
- Process Water
- Waste Water
- Lubricating Oil

### Specifications

#### Materials

Filter media	Polypropylene, Glass fibre
Media support core	Polypropylene
End caps	Glass fibre reinforced Polypropylene
Seal	NBR or EPDM

#### Dimensions

Outside diameter	152 mm (6")
Length	1051 mm (40")

#### Other

Max. temperature PP	80°C
Change out	2,4 bar
Max. flow rate 60"	78 m³/hr
Micron rating	1, 4.5, 6, 10, 20, 40, 70, 100

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