



MFF Series Pleated Filter Cartridges are used for filtration of oilfield fluids. Its fully thermal welded construction ensures safe operation and optimum filtration performance. The fully thermal welded construction ensures safe usage in filtration with high temperature fluids, acids, diesel, oily water, and solvents. The high performance 3-layers media construction generally have a higher dirt-holding capacity in part due to the more consistent pore size throughout the media with larger filtration area at an absolute rating of beta5000 (99.98% effective efficiency for glass fiber media). As the synthetic fibers are smaller than cellulose fibers, they can be packed tightly together, creating more pores in which to trap and hold particles. Synthetic fibers also perform better in harsh environments that tend to destroy cellulose filters. MFF series is manufactured with a rigid outer cage, ideally suitable for use in harsh oilfield environments and available in a wide range of microns, contributing to the protection of oilfield formations.

Features

- Large filtration area and depth filtration provide a long life time
- Fully thermal welded without glues or adhesives
- Beta5000 (efficiency 99.98%) for glass fiber media
- Low cost due to large filtration area and low frequency of change out
- Three layers construction:
Glass fiber media with PET support layer for maximum removal performance, strength and stability

Applications

- Completion fluids
- Work over fluids
- Gravel pack fluids
- Waste water
- Surface water intake
- Polishing brines
- Run-off water
- Process water
- RO Pre-filtration
- Stimulation fluids
- Acids flow back
- Oily water treatment
- Gels, amines & glycols

Dimensions

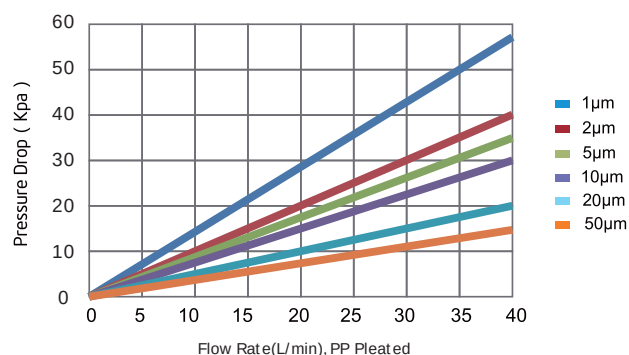
Outer Diameter	64mm, 66mm, 69mm
Inner Diameter	28mm
Length	30", 40"

Material of Constructions

Media	PP, PET, Glass Fiber
End Cap Material	Polypropylene
Center Core	Polypropylene
Netting	PE
Sealing	Silicone, EPDM, NBR, FKM
End Cap Type	DOE, 222/Flat End

Performance

Operating pressure and temperature: change out differential pressure 35psi(2.5Bar)
 Max. working Temperature: 80°C (176°F)
 Max. Differential pressure: 5.5 bar(80psi) @ 25°C (77°F)
 Beta: 5000(99.98% removal efficiency) for glass fiber media
 Construction: Fully thermal welded

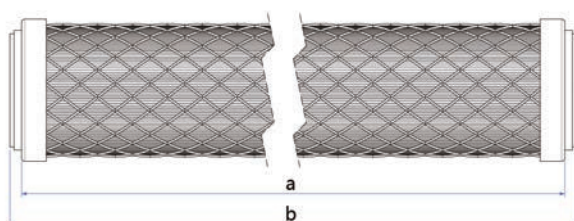


Quality

Manufactured according to ISO9001:2015 certified Quality Management System

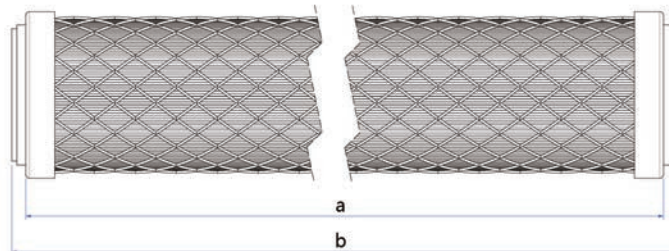
Dimensions

Ø66 DOE



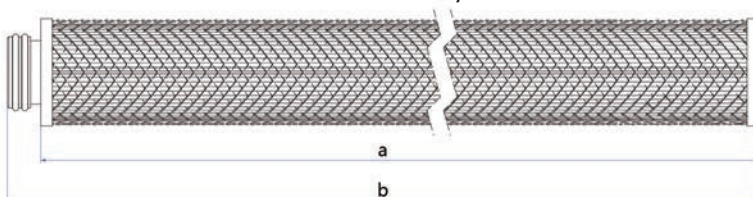
	30°	40°
a	755.0±2	1009.0±3
b	762.0±2	1016.0±3

Ø69 DOE



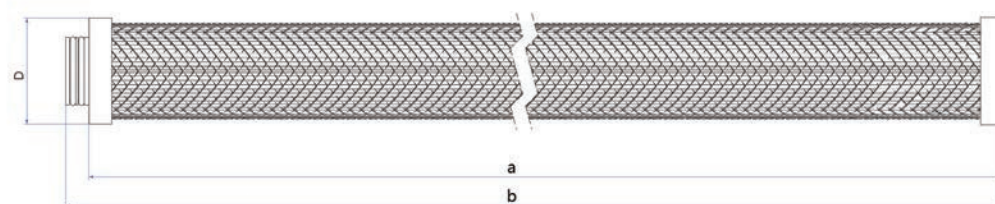
	30°	40°
a	755.0±2	1009.0±3
b	762.0±2	1016.0±3

Ø64 222 / Flat



	30°	40°
a	762.0±2	1016.0±3
b	782.0±2	1036.0±3

Ø66&69 222 / Flat



D	69.0
	66.0

	30°	40°
a	762.0	1005.0
b	777.0	1020.0

Ordering Information



Outside Diameter	Media	Removal Rating	End cap type	Length	Seal Material
C = $\phi 64\text{mm}/\phi 28\text{mm}$	G = PP	0100 = $1\mu\text{m}$	F = DOE	30 = 30" (762mm)	S = Silicone
D = $\phi 66\text{mm}/\phi 28\text{mm}$	Z = PET	0200 = $2\mu\text{m}$	M = 222 / Flat	40 = 40" (1016mm)	E = EPDM
E = $\phi 69\text{mm}/\phi 28\text{mm}$		0500 = $5\mu\text{m}$			B = NBR
		1000 = $10\mu\text{m}$			V = FKM
		2000 = $20\mu\text{m}$			
		5000 = $50\mu\text{m}$			



Outside Diameter	Media	Removal Rating	End cap type	Length	Seal Material
C = $\phi 64\text{mm}/\phi 28\text{mm}$	S = Glass Fiber	0045 = $0.45\mu\text{m}$	F = DOE	30 = 30" (762mm)	S = Silicone
D = $\phi 66\text{mm}/\phi 28\text{mm}$		0100 = $1\mu\text{m}$	M = 222 / Flat	40 = 40" (1016mm)	E = EPDM
E = $\phi 69\text{mm}/\phi 28\text{mm}$		0300 = $3\mu\text{m}$			B = NBR
		0500 = $5\mu\text{m}$			V = FKM
		1000 = $10\mu\text{m}$			
		2000 = $20\mu\text{m}$			

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.

