

## High-Flow-Pleated Cartridge, nominal, horizontal pleated



### High Flow-Pleated Cartridge, horizontal pleated

WFHFF High-Flow-Pleated cartridges with diameter of 152mm and lengths from 20" to 60" are suitable for the very high flow rates. The internal filter structure is horizontal pleated and for all lengths continuously made from one piece of filter media with 97 – 99% retention efficiency. This creates a lot of space for high dirt hold capacity and long life time.

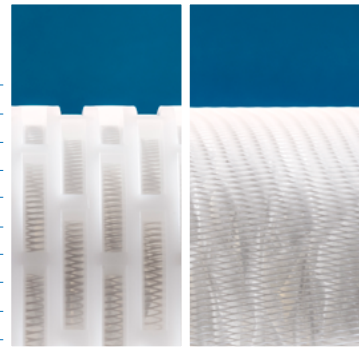
High-Flow-Pleated Cartridges are available in the two adapter-configurations type P and type M, see picture below. The flow rate of type P is from inside to outside and of type M from outside to inside. For the installation of the High-Flow-Pleated Cartridges type P and type M special made filter housings are needed.

### WFHFF High Flow-Pleated Cartridge, horizontal pleated

**New**

#### Technical Data

Filter medium:	Polypropylene
Core support:	Polypropylene
Adapter:	Polypropylene
O-ring:	EPDM, FKM, silicone
Filter ration:	1- 100 µm
Temperature:	max. 80°C
Filter surface area:	20": 4.5 m <sup>2</sup>
	40": 9.0 m <sup>2</sup>
	60": 13.5 m <sup>2</sup>
Differential pressure:	max. 3.5 bar at 20°C
	max. 1.5 bar at 80°C
	Filter exchange recommended at 1.5 bar
Dimensions:	Outside diameter 152 mm
	Lengths 20" - 60"



#### Applications

- Water treatment plants
- Cooling water for power stations
- Cleaning and rinsing baths
- Beverages and food
- Fine chemicals and developer baths
- Acids and lyes

#### Features and Benefits

- High-Flow-Pleated Cartridges 20" to 60" long
- Horizontal pleated, high filter surface area
- Filter material continuously made from one piece
- Filter ration 1 µm to 100 µm, 97.99% efficiency
- 100% polypropylene, thermally welded
- High dirt hold capacity, long life time
- High flow rate, low differential pressure
- Type P flow direction from inside to outside
- Type M flow direction from outside to inside

### Flow rate / Differential pressure\*

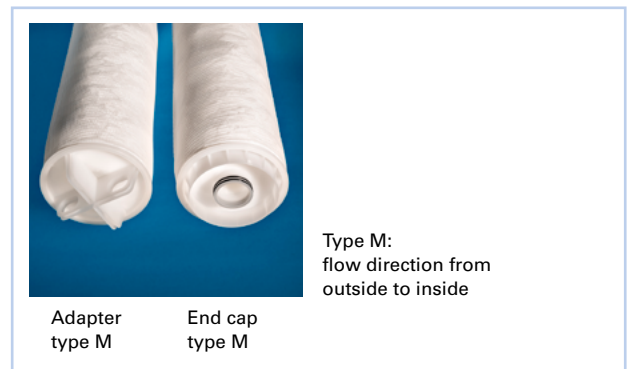
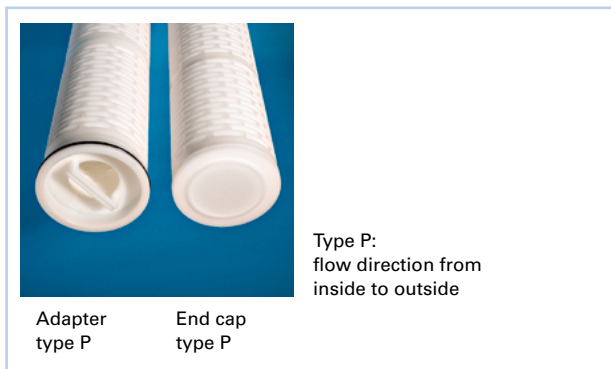
Length	Type P	Type M
20"	15 m <sup>3</sup> /h	15m <sup>3</sup> /h
40"	30 m <sup>3</sup> /h	15m <sup>3</sup> /h
60"	45 m <sup>3</sup> /h	15m <sup>3</sup> /h

\*Recommended flow rate at initial differential pressure < 0,1 bar:

### Efficiency (%)

Filter Cartridge	2µm	5µm	10µm	25µm	50µm
WFHFF-001	99.0	99.7	100	100	100
WFHFF-003	95.0	97.0	98.9	100	100
WFHFF-005	89.0	96.0	97.9	99.8	100
WFHFF-010	69.0	81.0	96.5	98.8	100
WFHFF-025	-	-	80.0	97.0	99.9
WFHFF-050	-	-	-	85.0	99.7
WFHFF-075	-	-	-	-	-
WFHFF-100	-	-	-	-	-

### Adapter Configurations



### Order information

WFHFF	-P-	001	-40	PP	E
WFHFF-High-Flow-Pleated cartridge, horizontal pleated	Adapter configuration	Filter ration in µm	Length in inch	Material Filtermedium	Sealing compound
	P: Type P	001: 1 µm	20 : 20"	PP = Polypropylen	E: EPDM
	M: Type M	003: 3 µm	40 : 40"		V: FKM
		005: 5 µm	60 : 60"		S: Silikon
		010: 10 µm			
		025: 25 µm			
		050: 50 µm			
		075: 75 µm			
	100: 100 µm				