



## High-Flow-Pleated Cartridge, absolute with Multi-Layer-Structure

### High Flow-Pleated Cartridge with Multi-Layer-Structure

WFHFC High-Flow-Pleated cartridges with diameter of 152mm and lengths from 20" to 60" are suitable for the very high flow rates. The filter media which is framed in a stable outer cage out of polypropylene is pleated in Multi-Layer-structure and optionally manufactured out of polypropylene or glass fiber. The filter rations from 0.5 µm to 100 µm show absolute filter efficiencies. The high filter surface area with depth filter effect creates a lot of space for high dirt hold capacity and long life time.

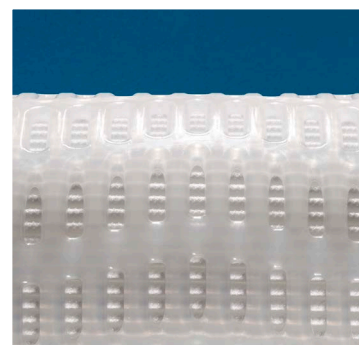
High-Flow-Pleated Cartridges are available in the two adapter-configurations type P and type M, see picture below. The flow rate of type P is from inside to outside and of type M from outside to inside. For the installation of the High-Flow-Pleated Cartridges type P and type M special made filter housings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



### WFHFC High Flow-Pleated Cartridge with Multi-Layer-Structurer

#### Technical Data

Filter medium:	PP: Polypropylene, GF: Glass fiber
Support/Drainage:	PP: Polypropylene GF: Polyester
Adapter:	PP-glass fiber reinforced
Core:	Polypropylene
Outer cage:	Polypropylene
O-Rings:	EPDM, FKM, silicone
Filter ration:	0.5 - 100 µm, absolute
Temperature:	PP: max. 80°C GF: max. 120°C
Filter surface area:	20": 2,8 m <sup>2</sup> 40": 5,6 m <sup>2</sup> 60": 8,4 m <sup>2</sup>
Differential pressure:	max. 3,5 bar to 20°C max. 1,5 bar to 80°C Filter exchange recommended at 1,5 bar
Dimensions:	Outside diameter 152mm, 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
- Multi-Layer-Structure out of PP or glass fiber
- Absolute filter efficiency 0.5 µm to 100 µm
- Stable outer cage out of polypropylene
- High filter surface are with depth filter effect
- 100% polypropylene, thermically 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\*

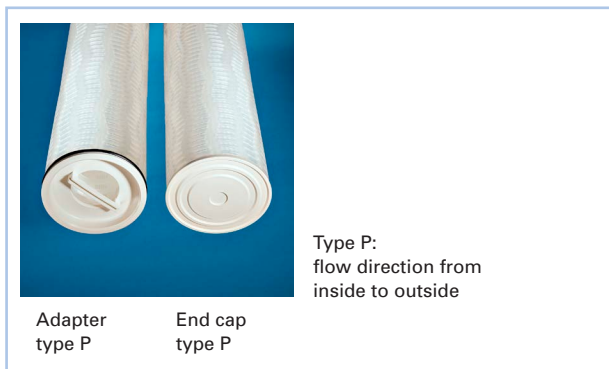
Length	Type P	Type M
20"	15 m³/h	15m³/h
40"	30 m³/h	15m³/h
60"	45 m³/h	15m³/h

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

### Efficiency (%)

Filter Cartridge	2µm	5µm	10µm	25µm	50µm
WFHFC-001	99.87	99.93	100	100	100
WFHFC-003	96.84	98.86	99.58	100	100
WFHFC-005	90.09	98.36	99.39	100	100
WFHFC-010	70.49	82.26	98.18	99.34	100
WFHFC-025	40.09	76.66	89.42	99.14	100
WFHFC-050	-	-	-	-	-
WFHFC-075	-	-	-	-	-
WFHFC-100	-	-	-	-	-

### Adapter Configurations



### Order information

WFHFC	P	001	-40	PP	E
	Adapter configuration	Filter ration in µm	Lengths in inch	Material Filtermedium	Sealing compound
WFHFC-High-Flow-Pleated Cartridge, with Multi-Layer-Structure	P: Typ P*	001: 1 µm	20 : 20"	PP = Polypropylen	E: EPDM
	M: Typ M	003: 3 µm	40 : 40"	GF = Glas fiber	V: FKM
		005: 5 µm	60 : 60"		S: Silikon
		010: 10 µm	80 : 80"		
		025: 25 µm			
		050: 50 µm			
		075: 75 µm			
		100: 100 µm			

\* Type P only available in the length of 20"