



## Pleated & Membrane Filter Cartridges



### Double-layered PP-Pleated cartridge for food applications

WFPPF – Pleated cartridges are provided with a double-layered nano-fiber filter media made from Polypropylene and are preflushed. The filter area of the nano-fiber filter-media is larger than 0.6 m<sup>2</sup>/10" and shows absolute particle retention efficiency of 99.9%. The WFPPF-Food-Pleated cartridges are manufactured in clean room conditions and meet the requirements of the USP VI and are food-conform. All components are made from Polypropylene, thermic-welded and free of binders, adhesives or additives. The double-o-ring adapters of the WFPPF-Food-Pleated cartridges are reinforced by an PBT-ring insert and can be sterilized multiple times.

### WFPPF PP-Food-Pleated, absolute

#### Technical data

|                        |  |
|------------------------|--|
| Filter medium:         | 100% polypropylene   |
| Core support           | Polypropylene  |
| Adapter                | Polypropylen with PBT-reinforcemnt-ring                                |
| Cage support           | polypropylene  |
| Filter ration:         | 0.2 - 20 µm, absolute  |
| Filter surface area:   | >0.6 m <sup>2</sup> /10"   |
| Temperature:           | max. 95°C  |
| Sterilisation:         | Steam: 121°C, 30 min. Water: 90°C, 30 min.                             |
| Differential pressure: | max. 4,9 bar at 20°C<br>max. 1,4 bar at 95°C                           |
|                        | Filter change recommended at 2,5 bar                                   |
| Dimensions:            | Internal diameter 27.5mm<br>External diameter 71mm<br>Lengths 5" - 40" |

#### Anwendung

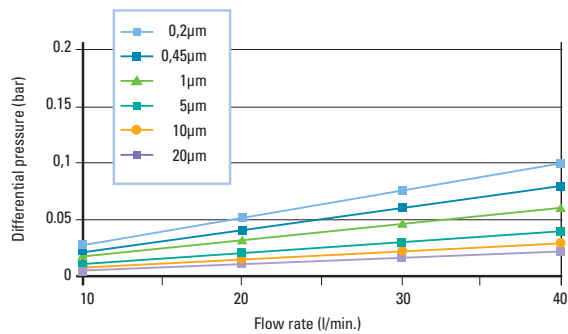
- Fine filter for trinking water
- Clarification of soft-drinks and fruit juices
- Main filter for food and baverages
- Prefilter of membrane filter cartridges
- Circulation filter of rinsing and washing bathes

#### Features and Benefits

- Double-layered filter-media, preflushed
- PBT-ring as adapter-reinforcement-insert
- Multiple sterilisation cycles
- Filter surface area >0.6 m<sup>2</sup> per 10"
- Absolute particle retention efficiency
- 100% PP, thermal-welded
- Free of binders, adhesives or additives
- Long service life, high dirt-retention capacity
- Low differential pressure, high flow rate
- USP VI and FDA CFR21 conform
- Food-contact Declaration
- ROHS-Declaration of conformity

### WFPPF-Pleated cartridge

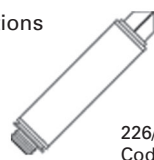
Flow rate (l/min) Values in reference to 10" element



### Efficiency (%)

| Filter Cartridge | 2µm   | 5µm   | 10µm  | 12µm  | 25µm | 35µm | 50µm |
|------------------|-------|-------|-------|-------|------|------|------|
| WFPPF0020        | 99.95 | 99.98 | 99.99 | 100   | 100  | 100  | 100  |
| WFPPF0045        | 99.94 | 99.97 | 99.99 | 100   | 100  | 100  | 100  |
| WFPPF0100        | 99.91 | 99.98 | 99.99 | 100   | 100  | 100  | 100  |
| WFPPF0500        | 93.78 | 99.19 | 99.99 | 100   | 100  | 100  | 100  |
| WFPPF1000        | 83.26 | 96.96 | 99.99 | 99.99 | 100  | 100  | 100  |
| WFPPF2000        | 63.80 | 88.92 | 99.87 | 99.99 | 100  | 100  | 100  |

### Adapter Configurations



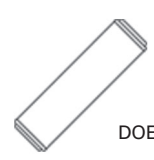
226/Fin  
Code 7



222/Fin  
Code 5



222/Cap  
Code 0



DOE

### Order-Information

| WFPPF                     | -005                | -20            | -S     | -0                        |
|---------------------------|---------------------|----------------|--------|---------------------------|
| WFPPF-PP-<br>Food-Pleated | Filter rating in µm | Length in inch |        | Sealing compound          |
|                           | 0020: 0.2 µm        | 4 7/8:         | 124 mm | S: Silicone               |
|                           | 0045: 0.45 µm       | 5:             | 127 mm | B: NBR                    |
|                           | 0100: 1.0 µm        | 9 3/4:         | 248 mm | E: EPDM                   |
|                           | 0500: 5.0 µm        | 10:            | 254 mm | V: Viton                  |
|                           | 1000: 10 µm         | 19 1/2:        | 496 mm | F: Viton-FEP-encapsulated |
|                           | 2000: 20 µm         | 20:            | 508 mm |                           |
|                           |                     | 29 1/4:        | 744 mm |                           |
|                           |                     | 30:            | 762 mm |                           |
|                           | 39:                 | 992 mm         |        |                           |
|                           | 40:                 | 1016 mm        |        |                           |
|                           |                     |                |        | Adapter                   |
|                           |                     |                |        | -F: DOE with end caps     |
|                           |                     |                |        | -0: 222/Cap               |
|                           |                     |                |        | -5: 222/Fin               |
|                           |                     |                |        | -7: 226/Fin               |
|                           |                     |                |        | -B: 213/Cap               |