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PALL

MICROPAK™ CF Series Filter Elements

Coreless Filter Elements with ECTFE Melt Blown Media

- Proprietary Filter System for use with Reusable Micropak Cores
- Unique Fluoropolymer Melt Blown Media
- Excellent Chemical and Temperature Resistance
- Extremely Pure Filtration Media
- Retention Ratings of 5 and 10 microns (µm)
- High Surface Area for Long Life
- Free of Binders, Resins and Adhesives
- Ozone Resistant Media
- Pressure Energized Gasket-to-Core Sealing System

Performance Specifications

Filter Grades:
5, 10 micron (µm)

Recommended Change Out Differential Pressure[1]:
35 psid (2.4 bard)

Maximum Operating Temperature:
Polypropylene end caps and netting 180°F (82°C)
Polyester end caps and netting 200°F[2] (93°C)

FDA Listed Materials:
All materials (except the thermoplastic copolymer) are FDA listed for food contact applications per Title 21 of the U.S. **Code of Federal Regulations**. The thermoplastic copolymer used to manufacture Micropak CF elements conforms to FDA requirements for a filter component used in ozonated water systems.

Toxicity:
All polypropylene components meet the specifications for biological safety as per the **USP** for Class VI-121°C plastics (gaskets excluded).

Product Specifications

Materials of Construction:
Filter Media: High Purity Melt Blown ECTFE
Netting (standard): Polypropylene, Polyester or ECTFE
Cage (optional):   Polypropylene
End Caps: Polypropylene (standard), Polyester
Support Materials: Polyester Upstream/ECTFE
                    Downstream (standard),
                    ECTFE Upstream and Downstream
Sealing: Thermal Bond
Gaskets: Silicone Elastomer, Buna N, EPDM,
                    Viton[3] A
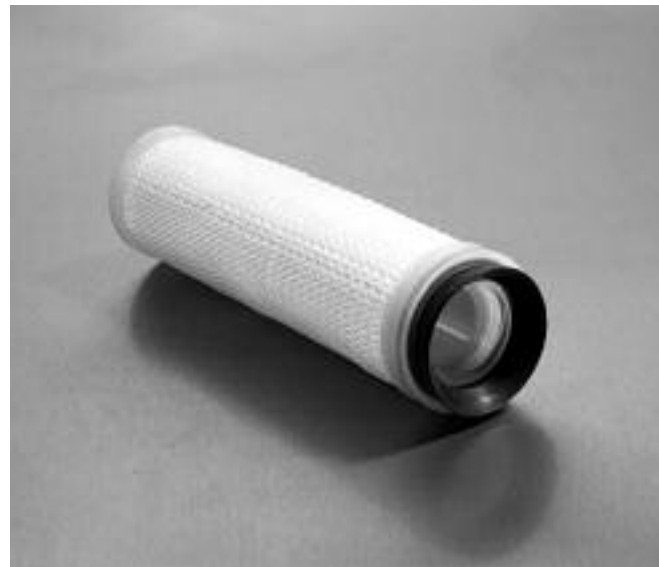
**Dimensions (nominal):**
Outside Diameter: 2 ⅜" (6.6 cm)
Lengths: 9 ¾" (24.8 cm), 10" (25.4 cm),
                    19 ½" (49.5 cm), 20" (50.8 cm),
                    29 ¼" (74.3 cm), 30" (76.2 cm),
                    39 ½" (100.3 cm), 40" (102 cm)

[1] - Provided that the maximum differential pressure is not exceeded based on temperature limits defined above.

[2] - Non-aqueous environment. For complete chemical/thermal compatibility information, consult your Pall representative.

[3] - Registered trademark of DuPont Dow Elastomers.

Filtration. Separation. Solution.SM

Typical Flow vs. Differential Pressure for Application Sizing
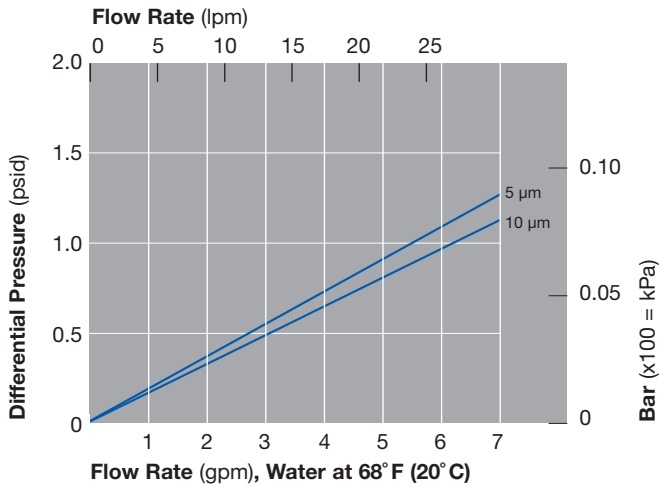
Flow Rate (lpm)

Flow rate is per 10" (25.4 cm) element. For liquids other than water, multiply differential pressure by fluid viscosity (cP).

Particle Retention (μm)

Element Designation	90% Efficiency	99.9% Efficiency
MPCF 5	5	10
MPCF 10	10	15

Liquid removal ratings are based on Pall's Dynamic Efficiency test protocol. This single pass, destructive challenge test is based on ASTM F795 test procedures for determining the performance of a filter medium.

Part Numbers/Ordering Information

MPCF ■ – ●❯ ◆ ▼❯   (e.g., MPCF 5–10HSEH)

Code ■	Filter Grades
5	5 μm
10	10 μm

Code ●	Element Lengths (nominal)
9.75	9.75"
10	10"
19.5	19.5"
20	20"
29.25	29.25"
30	30"
39.5	39.5"
40	40"

Code ❯	Support Material
Blank	Polyester Upstream/ECTFE Downstream
H	ECTFE Upstream and Downstream

Code ◆	Gasket Materials
S	Silicone
E	EPDM
N	Buna N
V	Viton A

Code ▼	End Cap Materials
U	Polypropylene
E	Polyester

Code ❯	Netting/Cage Materials
U	Polypropylene
E	Polyester
H	ECTFE
C	Cage (Polypropylene only)

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