



MICROPAK™ CLARIS® Series Filter Cartridges

High Consistency Polypropylene Melt Blown Cartridge

- Graded Pore Structure Enhances Dirt Holding Capacity
- E-core, an Extruded Fibrous Core, Provides Excellent Strength
- Unique Proprietary Process
- Easy and Safe Cartridge Incineration and Disposal
- All Polypropylene Construction
- Free of Surfactants, Binders, and Adhesives
- Excellent Chemical Compatibility

Performance Specifications

Filter Grades:

1, 3, 5, 10, 20, 30, 50, 75 micron (µm)

Recommended Change Out Differential Pressure¹:

35 psid (2.4 bard)

Maximum Operating Temperature:

180°F (82°C)

FDA Listed Materials:

Manufactured from materials, which are listed for food contact applications in Title 21 of the U.S. **Code of Federal Regulations**. Product in compliance with EU Directive 2002/72/EC for plastic in food contact (in simulants A, B, C and D).

Toxicity:

All components meet the specifications for biological safety as per the **USP** for Class VI-50°C plastics (gaskets excluded).

Purity:

Micropak Claris Series filter cartridges are free of surfactants, anti-static agents, binders, and adhesives.

Product Specifications

Materials of Construction:

Filter Media:	Polypropylene
End Caps ² :	Polypropylene
Gaskets:	Silicone Elastomer, Buna N, Viton ² A, EPDM

Dimensions (nominal):

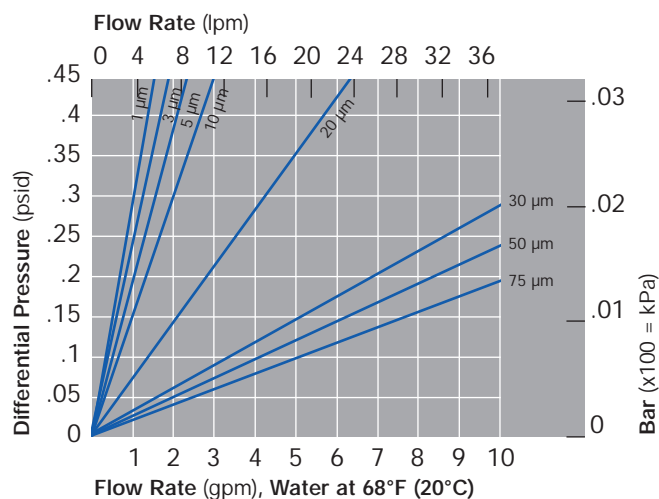
Outside Diameter:	2 ½" (6.4 cm)
Inside Diameter:	1" (2.7 cm)
Lengths:	9 ¾" (24.8 cm), 10" (25.4 cm), 19 ½" (49.5 cm), 20" (50.8 cm), 29 ½" (74.9 cm), 30" (76.2 cm), 39 ½" (100.3 cm), 40" (102 cm)



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

² - Registered trademark of DuPont Dow Elastomers.

Typical Flow vs. Differential Pressure for Application Sizing



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

Part Numbers/Ordering Information

MPCL ■ – ● ◆ (e.g., MPCL 3–20S)

Code ■	Filter Grades
1	1 µm
3	3 µm
5	5 µm
10	10 µm
20	20 µm
30	30 µm
50	50 µm
75	75 µm

Code ●	Cartridge Lengths (nominal)
9.75	9.75"
10	10"
19.5	19.5"
20	20"
29.5	29.5"
30	30"
39.5	39.5"
40	40"

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



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