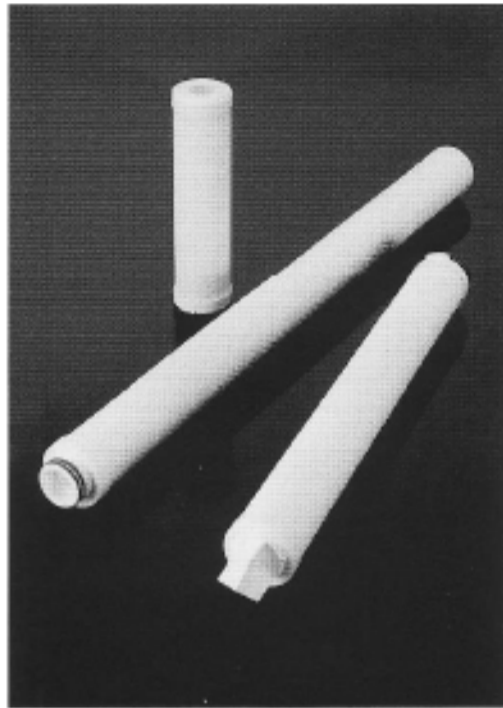


POLY-MATE™ PM/PXD

Quality and economical filtration for food and beverage applications



Parker's Poly-Mate™ cartridges incorporate a unique combination of polypropylene meltblown and spunbonded media to provide high surface area, finish-free and non-fiber-releasing filtration. All-polypropylene construction maximizes chemical resistance to acids, bases, salts, and most organic solvents.

BENEFITS

- High efficiency rated for critical food and beverage applications (99% efficiency)
- High pleated surface area for extended service life, low pressure drop and high flow capacity
- Optional stainless steel O-ring adapter inserts provide added strength for in situ sterilization. Poly-Mate™ Xtra Duty cartridges are available with backwashable construction, reducing replacement maintenance and cartridge disposal costs
- Poly-Mate™ Xtra Duty (PXD) cartridge features glass-filled polypropylene core for high temperature and high pressure use with rigid outer cage supporting pleated media in backwash applications
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21.
- One-piece, continuous to 40 in length, integrally sealed, pleated filter media

APPLICATIONS

- Food & Beverage
- Deionized water
- R.O. membrane prefiltration
- Process water

SPECIFICATIONS

Materials of Construction:

| | |
|---------------------------------|--|
| Filter Media and Support Layers | Polypropylene |
| Cage | PM - polypropylene netting PXD - polypropylene cage |
| Support Core | PM - polypropylene PXD - glass-filled polypropylene |

Recommended Operating Conditions:

Poly-Mate™ Cartridges

| | |
|-----------------------------------|-------------------|
| Changeout ΔP | 35 psid (2.4 bar) |
| Maximum Temperature | 200°F (93°C) |
| Maximum ΔP @ 70°F (21°C) | 60 psid (4.1 bar) |
| Maximum ΔP @ 200°F (93°C) | 10 psid (0.7 bar) |

Poly-Mate Xtra-Duty™ Cartridges

| | |
|-----------------------------------|--|
| Maximum Temperature | 200°F (93°C) @ 35 psid (2.4 bar) Changeout ΔP |
| | 35 psid (2.4 bar) |
| Maximum ΔP @ 70°F (21°C) | 90 psid (6.1 bar) |
| Maximum ΔP @ 200°F (93°C) | 35 psid (2.4 bar) |

Effective Filtration Area:

Up to 6.0 ft²/10 in (0.6 m²/254 mm)

Filtration Ratings:

99% at 0.5 μm , 1 μm , 5 μm , 10 μm , 30 μm , and 60 μm pore sizes

Recommended Maximum Flow Rate:

Maximum 10 gpm per 10 in length

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Maximum Recommended Flow Rate:

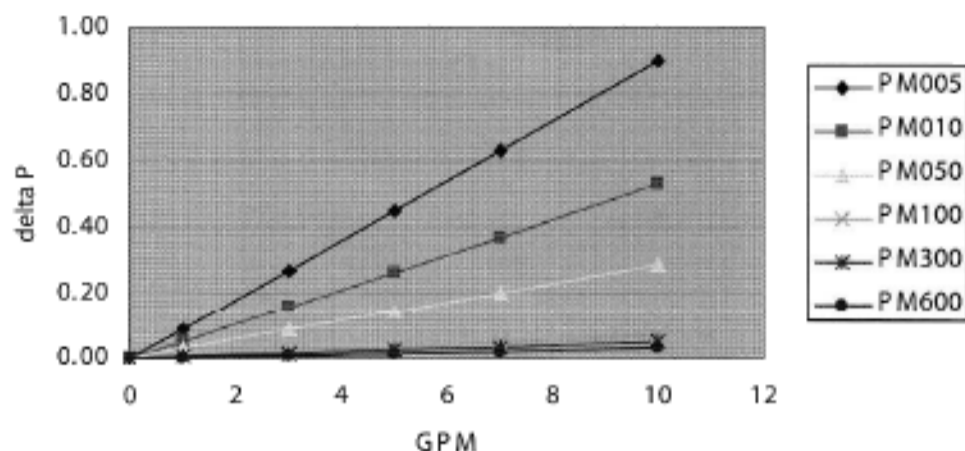
10 gpm per 10" length (9.5 lpm per 254 mm)

Poly-Mate™ PM/PXD Flow Factors

(psid/gpm @ 1 cks) per 10" cartridge

| Rating (µm) | Flow Factor |
|-------------|-------------|
| 0.5 | 0.0900 |
| 1.0 | 0.0530 |
| 5.0 | 0.0290 |
| 10.0 | 0.0068 |
| 30.0 | 0.0048 |
| 60.0 | 0.0030 |

Poly-Mate Flow vs. dP



ORDERING INFORMATION

| Cartridge Code | | Nominal Length | | Support Construction | | Seal Material | | End Cap Configuration | | Special Options | |
|----------------|-----------|----------------|------------------------|----------------------|--|---------------|---------------------------------------|-----------------------|---|-----------------|--|
| CODE | TYPE | CODE | INCH (mm) | CODE | DESCRIPTION | CODE | DESCRIPTION | CODE | DESCRIPTION | CODE | DESCRIPTION |
| PM | Standard | 9 | 9-5/8 (244) | A | Natural Polypropylene (pm core only) | A | Polyethylene Foam (DOE Gasket Only) | AR | 020 O-ring/Recessed Cap | B | Bubble-Point Test |
| PXD | Xtra Duty | 10 | 9-13/16 (249) | F | Glass Filled Polypropylene (core only) | E | EPR | DO | Double Open End (DOE) | R | DI Water Rinse (5 minutes) |
| | | 19 | 19-5/8 (498) | G | 304 Stainless Steel (core only) | N | Buna-N | DX | DOE With Core Extender | Z6 | Individual Poly Bag only |
| | | 20 | 19-15/16 (506) | N | Natural Polypropylene (All support components) | V | Viton® | LL | 120 O-ring/Recessed Cap | Z15 | Individual Poly Bag 15/ctn. (20", 30", 40") (PXD only) |
| | | 29 | 29-1/4 (743) | X | Coreless Cartridge | S | Silicone | LR | 120 O-ring/Recessed Cap | Z30 | Individual Poly bag 30/ctn. (10") (PXD only) |
| | | 30 | 30-1/16 (764) | | | T | PFA Encapsulated Viton® (O-ring only) | OB | Std. open end/ polypro Spring Closed End | | |
| | | 39 | 39 (991) | | | V | Viton® | PR | 213 O-ring/Recessed Cap | | |
| | | 40 | 40 (1016) | | | X | No Seal Material | SC | 226 O-ring/Flat Cap | | |
| | | | 2.5" (62.5mm) diameter | | | | | SF | 226 O-ring/Fin | | |
| | | | | | | | | TC | 222 O-ring/Flat Cap | | |
| | | | | | | | | TF | 222 O-ring/Fin | | |
| | | | | | | | | XB | Ext. core open end/ Polypro Spring Closed End | | |
| | | | | | | | | SSC | S.S. Inserted 226 O-ring/Closed | | |
| | | | | | | | | SSF | S.S. Inserted 226 O-ring/Fin | | |
| | | | | | | | | STC | S.S. Inserted 222 O-ring/Closed | | |
| | | | | | | | | STF | S.S. Inserted 226 O-ring/Fin | | |

TECHNICAL SUPPORT AND PRODUCT INFORMATION

Parker provides our customers with unsurpassed product consistency and cost efficiency. Our experienced professionals can help you select the right solution for your application. Orders can be emailed directly to PAFsales@parker.com. For additional information contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at www.parker.com or through the Oxnard office.

Parker designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Coatings and Inks, Process and Chemical industries.

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