

Glas-Tech® II Mini-Cartridges

Pleated Glass Fiber Media for Small Volume Pre-Filtration Applications

Glas-Tech II Mini-Cartridges feature a borosilicate microfiber depth media that has an exceptionally high dirt-loading capacity. The natural, positive charge of the glass fiber also aids in the retention of negatively charged particulates such as bacteria, endotoxin, and a variety of colloidal materials.

The Mini-Cartridge uses an internal 116 O-ring available in several materials.



Contact Information:

Parker Hannifin Corporation
Process Advanced Filtration Division
 2340 Eastman Avenue
 Oxnard, California, USA 93030

Toll Free: +1 877 784 2234
Phone: +1 805 604 3400
Fax: +1 805 604 3401
PAFsales@parker.com

www.parker.com

Benefits

- High flow rate/long service life reduces processing time
- Long service life minimizes change-out frequency
- Natural positive charge enhances particle retention
- Thermally bonded construction minimizes extractables for cleaner filtrates

Applications

- Serum
- Tissue Culture Media
- Wine/Beer
- Ink Processing
- Highly Viscous Solutions
- Cutting Oils



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Materials of Construction:

Filter Media –
 Borosilicate Microfibers
 Media Binder - Acrylic
 Support Layers – Polyester
 Structure – Polypropylene

Nominal Filter Ratings:

0.25, 0.5, 1, 3, 5 micron

Maximum Differential Pressure/Temp:

Forward:
 70 psid (4.8 bar) @ 75°F (24°C)
 Reverse:
 30 psid (2.1 bar) @ 75°F (24°C)
 15 psid (1.0 bar) @ 140°F (60°C)

Maximum Operating Temperature: 160°F (71°C)

Autoclavable and Sanitizable:

May be autoclaved repeatedly at 266°F (130°C) or sanitized using most common cleaning agents or hot DI water.

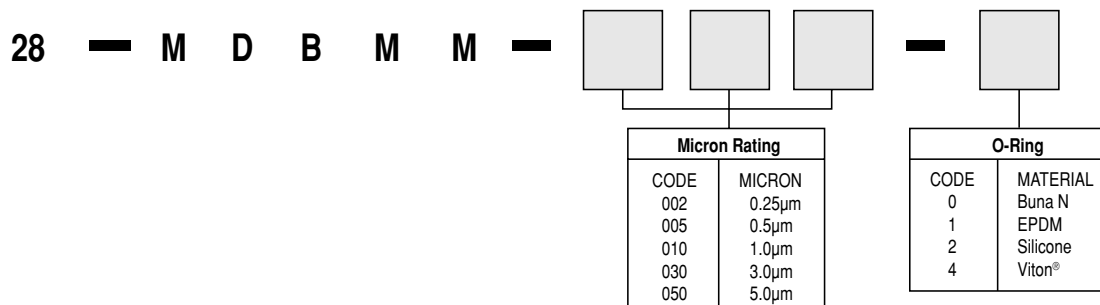
Biological Safety:

All components meet USP specifications for Class VI – 121°C biological tests for plastics.

Filter Rating	Capsule Size	Nominal EFA (sq ft)	Nominal EFA (sq cm)	Minimum Water Flow Rate (gpm/psid)	Minimum Water Flow Rate (lpm/100mbar)	Typical Air Flow Rate (scfm/psid)	Typical Air Flow Rate (Nm ³ /100mbar)
0.25 um	Double	1.9	1765	5.5	30.2	14.0	34.5
0.5 um	Double	1.9	1765	7.0	38.4	40.0	98.5
1.0 um	Double	1.9	1765	9.0	49.4	50.0	123.2
3.0 um	Double	1.9	1765	13.0	71.3	57.0	140.4
5.0 um	Double	1.9	1765	18.0	98.8	65.0	160.1

Ordering Information

Each Mini-Cartridge is identified with a product number, pore size, and lot number for traceability.



TECHNICAL SUPPORT and PRODUCT ORDERING

Parker Process Advanced Filtration provides unsurpassed product consistency and cost-efficiency for our customers. Our experienced professionals can help you select the right solution for your application. For more information or to place an order, 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 your nearest Parker Process Advanced Filtration office. Parker Process Advanced Filtration designs and manufactures an extensive line of innovative solutions for specific applications in Biopharmaceutical, Microelectronics, Food & Beverage, Industrial and Chemical industries.

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