



GLASS-MATE™

Series PMG

Pleated Microglass
Liquid Filter Cartridges

Glass-Mate™, Series PMG cartridges, feature a laminated microglass with acrylic binder media along with a protective extruded outer cage or netting. End caps are thermally bonded providing a high degree of compatibility with a wide range of liquid applications. Glass-Mate cartridges are available in a broad range of efficiency

ratings and with common endcap configurations such as double open end, single open end, 222 o-rings, 226 o-ring with locking ears, and fin extender. The Glass-Mate product line is ideal for pre-filtration and point-of-use filtration for many industrial applications.

FEATURES	BENEFITS	APPLICATIONS
Absolute Rated Media	Provides a reliable removal efficiency, lower micron options, higher flow rates and no swelling of media.	
Thermal Bonding of Components	End caps are attached to media pleat pack, core, and outer netting support by thermal bonding instead of using adhesives. This ensures a high level of chemical compatibility and provides a strong, seamless bond to prevent bypass.	
Laminated Media / Support	Maximizes flow capacity and media utilization and minimizes media migration.	
Common End Cap Options	Accommodates flexibility fitting in variety of manufacturers vessels.	
Minimal Extractables	Non-fiber-releasing media with minimal extractables provides high-purity filtrate.	
FDA acceptable Applies to 0.2, 0.45, 1, 2, 5, 10 micron ratings Excludes 3,20,40 micron ratings	All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21.	
<ul style="list-style-type: none">• Chemical Processing• Coatings• Water• R.O. Pre-filtration• Critical Lubricating Oils• Sterile Air• Aromatic Hydrocarbons• Oil/Gas Production• Food & Beverage• Power Generation		



MATERIALS

FILTER MEDIA	Borosilicate microfiber glass w / acrylic binder
SUPPORT/DRAINAGE	Spunbond polyester; laminated on the downstream side
OUTER SUPPORT	Polypropylene extruded outer cage or polyester netting
CORE	Glass-Filled Polypropylene or 304 Stainless
END CAP	Glass-Filled Polypropylene or Polyester, or 316 Stainless
SEAL	Buna-N, EPR, PFA Encapsulated Viton®, Silicone, or Viton®

OPERATING DATA

FLOW DIRECTION: Outside-to-Inside

MAX TEMP:

Polypropylene: 200°F / 93°C

Polyester: 240°F / 116°C

Stainless Steel: 240°F / 116°C

MAX. DIFFERENTIAL PRESSURE:

Polypropylene: 90psid @ 75°F (6.25 bar @ 24°C)

Polyester: 70psid @ 75°F (4.8 bar @ 24°C)

Stainless Steel: 75psid @ 240°F (5.1 bar @ 116°C)

RECOMMENDED CHANGE-OUT

DIFFERENTIAL PRESSURE: 35 psid / 2.4 bar

MAXIMUM FLOW RATE:

10 gpm / 10" length (38 lpm / 254 mm)

DESIGN FLOW RATE: 5 gpm / 10" length
(9.5 lpm / 254 mm)

NOMINAL DIMENSIONS

SIZE	O.D.	I.D.	LENGTH Endcap Code DO Gasket to Gasket +/- .0625" tolerance	LENGTH All Other Endcap Codes Shoulder to Shoulder +/- .0625" tolerance
209	2.5" / 64mm	1.08" / 27.4mm	9.625" / 244mm	9.375" / 238mm
210	2.5" / 64mm	1.08" / 27.4mm	9.8" / 249mm	9.5625" / 243mm
219	2.5" / 64mm	1.08" / 27.4mm	19.625" / 498mm	19.375" / 492mm
220	2.5" / 64mm	1.08" / 27.4mm	20" / 508mm	19.6875" / 500mm
229	2.5" / 64mm	1.08" / 27.4mm	29.25" / 743mm	29" / 737mm
230	2.5" / 64mm	1.08" / 27.4mm	30" / 762mm	29.8125" / 757mm
239	2.5" / 64mm	1.08" / 27.4mm	39" / 991mm	38.75" / 984mm
240	2.5" / 64mm	1.08" / 27.4mm	40" / 1016mm	39.75" / 1010mm



PERFORMANCE

MICRON RATING:

0.2, 0.45, 1, 2, 3, 5, 10, 20, 40

EFFICIENCY: 99.98%

EFFECTIVE FILTRATION AREA:

5 ft² / 10" length (0.6 m² / 254 mm)

BIOLOGICAL SAFETY / PRODUCT PURITY:

All components FDA listed per CFR, Title 21

Non-fiber releasing per FDA

Applies to 0.2, 0.45, 1, 2, 5, 10 micron ratings

Excludes 3, 20, 40 micron ratings

SUPPORT & END CAP MATERIALS

SUPPORT & END CAP CODE COMBINATION	OUTER NETTING MATERIAL	END CAP MATERIAL	CORE MATERIAL
F-DO	Polypropylene	Polypropylene	Polypropylene
F-SC	Polypropylene	Polypropylene	Polypropylene
F-TC	Polypropylene	Polypropylene	Polypropylene
F-TB	Polypropylene	Polypropylene	Polypropylene
F-SF	Polypropylene	Polypropylene	Polypropylene
F-TF	Polypropylene	Polypropylene	Polypropylene
G-DO	Polyester	316SS	304SS
G-TC	Polyester	Polyester	304SS
P-DO	Polyester	Polyester	Polyester
P-TC	Polyester	Polyester	Polyester



PART MODEL MATRIX Not all combination are available. Consult technical service for verification if necessary.

PMG	004	10	F	N	TC				
SERIES	PERFORMANCE		SUPPORT		END-CAP		MISC.		
	CODE	MICRON	CODE	MATERIAL	CODE	STYLE		CODE	DESCRIPTION
	002*	0.2	9	Glass-filled polypropylene core & pure polypropylene extruded outer cage	DO	Double open end (DOE)		N	0.2, 0.45, 3, 20 and 40 Micron non-FDA Material
	004*	0.45	10	304 Stainless Steel core with polyester outer netting (available in EndCap Codes DO and TC only.)	SC	226 O-ring/Flat Cap			
	010	1.0	19		SF	226 O-ring/Fin			
	020	2.0	20		TC	222 O-ring/Flat Cap			
	030*	3.0	29	Polyester core with polyester outer netting (available in EndCap Codes DO and TC only).	TF	222 O-ring/Fin			
	050	5.0	30		TX	222 O-ring/Flex Fin			
	100	10	39						
	200*	20	40						
400*	40								
*Non-FDA (add '-N' to end of part#)									
				SEAL					
				CODE	MATERIAL				
				E	EPR				
				N	Buna-N				
				S	Silicone				
				T	PFA Encapsulated Viton® (Only on 222 or 226 O-Ring Styles)				
				V	Viton®				

END CAP STYLES



DO Double Open End



SC 226 O-ring with Closed End



SF 226 O-ring with Fin



TC 222 O-ring with Closed End



TF 222 O-ring with Fin



TX 222 O-ring with Flex Fin



SCAN QR CODE FOR ADDITIONAL PRODUCT INFORMATION INCLUDING AVAILABLE PART NUMBERS

For technical questions contact ipf.technical@support.parker.com or call 940-325-2575

To order, contact a support representative at ipf.support@support.parker.com or call 940-325-2575

Purchasing details: Request a quote at ipf.quotes@support.parker.com

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