



ZTEC™ G Series Filter Cartridges

Absolute Rated Polyethersulfone Membrane Pleated Filter Cartridges

Product Specifications

Media: Asymmetric Polyethersulfone Membrane

Inner core, end caps, cage: Polypropylene

Support layers: Spunbonded Polypropylene

Gaskets/O-Rings:

Buna-N, EPDM, Silicone, Teflon Encapsulated
Viton (O-Rings only), Viton

Micron ratings: 0.1, 0.2, 0.45, 0.65 μm

Dimensions

Nominal lengths:

9.75" 10" 20" 30" 40"
24.8 25.4 50.8 76.2 101.6 cm

Outside diameter: 2.7" (6.9 cm)

Inside diameter: 1.0" (2.54 cm)

Surface area: 7.0 ft² (0.65 m²) per 10" element

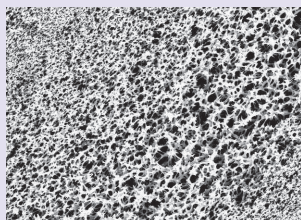
Operating Parameters

Maximum sustained operating temperature:
176°F (80°C) at 20 psid (1.38 bar)

Maximum differential pressure:
80 psid @ 70°F (4.14 bar @ 21°C)
40 psid @ 160°F (2.8 bar @ 71°C)

Maximum reverse differential pressure:
40 psid @ 70°F (2.8 bar @ 21°C)

Recommended change-out pressure:
35 psid (2.4 bar)



This pleated, disposable filter element is constructed of absolute rated, hydrophilic, asymmetric polyethersulfone membrane with extended filter area to allow for a high system flow rate.

FEATURES & BENEFITS

- 7.0 ft² (0.65 m²) of membrane surface area per 10" element — High throughput, longer on-line service reduces costly maintenance time
- Absolute rated membrane from 0.1 to 0.65 μm
- Manufactured in an ISO Class 7 cleanroom environment
- 100% flushed with 18 M Ω -cm DI water and gross integrity tested
- Fixed pore construction eliminates dirt unloading as differential pressure increases
- Low extractables

CERTIFICATIONS

- USP Class VI: Meets USP Class VI Biological Test for Plastics
- FDA Listed Materials: All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, 177.1520, and 177.2440 as applicable for food and beverage contact.
- European Directive for Food Contact: European Regulation No. 1935/2004 and European Regulation 10/2011: Tested for migration behavior and is suitable for contact with all kinds of foodstuffs with minimal rinse-up. Data available upon request.

TYPICAL APPLICATIONS

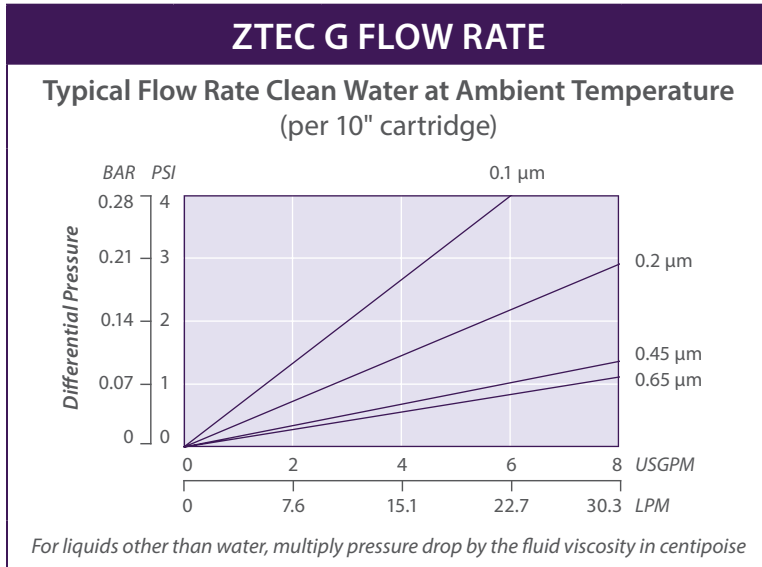
- Food and Beverage
- Filtration of acids and bases
- Cosmetics
- Inks
- Chemicals
- Ultra pure water
- Aqueous solutions

PERFORMANCE SPECIFICATIONS

- Hot DI Water: Filter cartridge will withstand temperatures of 185°F (85°C) for up to 30 consecutive minutes.
- Cleaning/Sanitization: Compatible with most common chemical cleaning, sanitizing and sterilizing agents and with pH range from 1–14. Consult factory for specific compatibility information.
- Steam/Autoclave: Cartridges may be steamed or autoclaved for at least 50 thirty-minute cycles @ 275°F (135°C).

ZTEC G NOMENCLATURE INFORMATION							
Filter Type	Retention Rating (microns)		Nominal Length (inches)		End Configuration		Gasket or O-Ring
ZTEC G Series	0.1	0.45	-5	-20	P	Double Open End	B Buna-N
		0.2	0.65	-9.75*	-30	P2	226/Flat Single Open End
			-10	-40	P3	222/Flat Single Open End	S Silicone
					P7	226/Fin Single Open End	T Teflon encap. Viton (O-Rings only)
					P8	222/Fin Single Open End	V Viton
				AM	Single Open End, Internal O-Ring		
				NPC	Double Open End, Internal O-Ring		
Example: ZTEC G 0.1-10P7S							
ZTEC G	0.1		-10		P7		S

*Available only for DOE (P) configuration



FOR MORE INFORMATION

Customer Service/Technical Support: 1-888-353-0303
 Europe (UK): +44-1424-777791 | China: +86-21-5238-6576
 Asia: +65-9635-7690

GTX-258 10-16



DISTRIBUTED BY

All information and recommendations appearing in this bulletin concerning the use of products described herein are based on tests believe to be reliable. However, It is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Graver Technologies as to the effects of such use or the results to be obtained. Graver Technologies assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. ZTEC is a trademark of Graver Technologies, LLC.



Graver Technologies | 200 Lake Drive, Glasgow, DE 19702 | 302-731-1700 | 800-249-1990
 Fax: 1-302-369-0938 | info@gravertech.com | www.gravertech.com

A member of The Marmon Group—A Berkshire Hathaway Company