Graver Technologies

FILTRATION | SEPARATION | PURIFICATION

ZTEC™ G Series Filter Cartridges

Absolute Rated Polyethersulfone Membrane Pleated Filter Cartridges

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.

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), Teflon (gaskets), 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 ft^2 (0.65 m^2) per 10" element

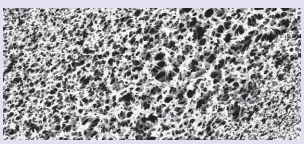
Operating Parameters

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

Maximum differential pressure: 80 psid @ 70°F (5.5 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)



FEATURES & BENEFITS

- 7.0 ft^2 (0.65 m^2) 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 MΩ -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).

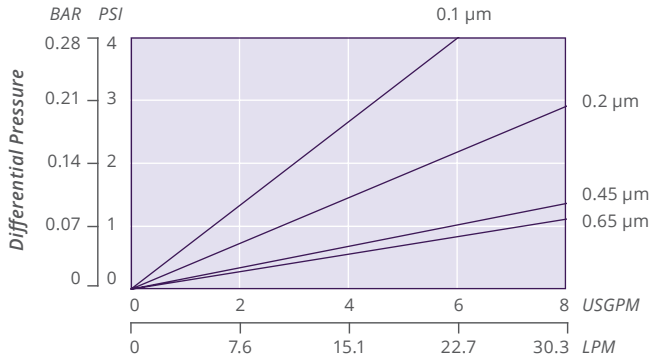
ZTEC G NOMENCLATURE INFORMATION

Filter Type	Retention Rating (microns)	Nominal Length (inches)	End Configuration	Gasket or O-Ring
ZTEC G Series	0.1 0.45 0.2 0.65	–5 –20 –9.75* –30 –10 –40	P Double Open End P2 226/Flat Single Open End P3 222/Flat Single Open End P7 226/Fin Single Open End P8 222/Fin Single Open End P28 222 w/3 tabs/Fin Single Open End AM Single Open End, Internal O-Ring NPC Double Open End, Internal O-Ring	B Buna-N E EPDM S Silicone T Teflon encap. Viton (O-Rings only) T Teflon (gaskets) V Viton
Example: ZTEC G 0.1–10P7S				
ZTEC G	0.1	–10	P7	S

*Available only for DOE (P) configuration

ZTEC G FLOW RATE

Typical Flow Rate Clean Water at Ambient Temperature
(per 10" cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

FOR MORE INFORMATION GTX-253 9-24

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DISTRIBUTED BY

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