

Absolute.Za*

FACT SHEET

Z.Plex* technology depth filter for absolute filtration

Features and Benefits



- Absolute filtration optimized melt-blown filter
- Longer life and lower pressure drops than comparable pleated filters
- Fast rinse-up in high purity applications
- Consistent, reproducible performance and filtration quality
- High-strength polypropylene core
- Melt-bonded filter exterior ensures no media migration

Applications

- Chemical process
- Hydrocarbon processing
- Pharmaceuticals
- Semiconductor
- Food and beverage

Specifications

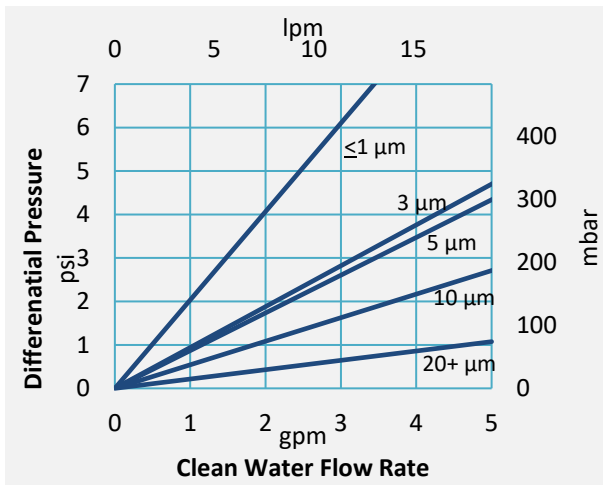
Table 1: Specifications and performance information

Ratings	0.5, 1, 3, 5, 10, 20, 30 microns (absolute)	
Inner Diameter	1.1 in (2.5 cm)	
Outer Diameter	2.5 in (6.4 cm)	
Lengths		
9 7/8 in (25.1 cm)	29 1/2 in (74.9 cm)	
19 1/2 in (49.5 cm)	30 in (76.2 cm)	
20 in (50.8 cm)	40 in (101.6 cm)	
29 1/4 in (74.3 cm)		
Materials of Construction		
Filter Media	Polypropylene	
Adapters	Polypropylene	
Elastomer	Buna, EPDM, Silicone, Viton (1)	
Performance Conditions		
Maximum pressure drop:		
60 psid (4.1 bar) @ 86°F (30°C)		
25 psid (1.7 bar) @ 150°F (66°C)		
15 psid (1.0 bar) @ 180°F (82°C)		
Recommended change-out pressure drop:		
35 psid (2.4 bar) @ 77°F (25°C)		

Efficiency Information

Table 2: Removal efficiency based on a modified ASTM 795 test procedure

Micron Rating	Removal rating (µm) at various efficiencies		
	90.0%	99.0%	99.9%
0.5 µm	0.3	0.5	1.0
1 µm	0.6	0.8	1.0
3 µm	1.0	2.4	3.6
5 µm	1.5	2.6	4.2
10 µm	4.3	4.9	8.5
20 µm	11.6	14.6	18.7
30 µm	13.8	19.0	23.4



Graph 1: Absolute.Za clean water flow rate based on a 10 in length filter

Quality

Absolute.Za filters are manufactured under a quality management system that has been certified to meet ISO 9001 standards. Each filter is assigned a lot code to ensure traceability of the data and materials used in the manufacturing process.

Table 3: Ordering Information

Type	Micron Rating (absolute)	Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
Abs.Za	95 = 0.5 μm 01 = 1 μm 03 = 3 μm 05 = 5 μm 10 = 10 μm 20 = 20 μm 30 = 30 μm	9 ⁷ / ₈ in. (25.1 cm) 19 ¹ / ₂ in. (49.5 cm) 20 in. (50.8 cm) 29 ¹ / ₄ (74.3 cm) 29 ¹ / ₂ in. (74.9 cm) 30 in. (76.2 cm) 40 in (101.6 cm) <i>Longer lengths up to 70 in may be available upon request</i>	 A = Open end w/gasket E = 222 O-Ring F = 226 O-Ring Y = Thermally bonded gasket	 A = Open end w/gasket H = Fin K = Self Seal Spring S = Solid End Y = Thermally bonded gasket	B = Buna E = EPDM P = Santoprene (2) (flat gasket only) S = Silicone V = Viton (1)

(1) Viton (Trademark of The Chemours Company)
(2) Santoprene (licensed to Advanced Elastomer Systems, L.P.)

Certifications

- U.S. FDA 21CFR 177.1520 food contact requirements
- Article 3 of the EU Framework Regulation No. 1935/2004/EC safety requirements
- EU Plastics Regulation No. 10/2011 (may be used as intended in all compliant EU Member states)
- USP class VI-121°C Plastics criteria
- NSF 61 criteria
- ISO 9001 criteria

Veolia filter cartridges are designed and manufactured for resistance to a wide range of chemical solutions. Conditions will vary with each application and users should carefully verify chemical compatibility. Please contact your Veolia representative for more information.

Ordering Information

Replace the numbers with your desired values from each column. Columns 3, 4, and 5 are optional depending on the desired configuration.

Example: Abs.Za 01-40-EHE



Veolia Water Technologies
Please contact us via:
www.veoliawatertechnologies.com