

# Absolute.Za\*

## Z.Plex\* technology depth filter for absolute filtration



### features and benefits

- Absolute filtration optimized design
- 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**

<b>Ratings</b>	0.5, 1, 3, 5, 10, 20, 30 microns (absolute)	
<b>Inner Diameter</b>	1.1 in (2.5 cm)	
<b>Outer Diameter</b>	2.5 in (6.4 cm)	
<b>Lengths</b>		
	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)	
<b>Materials of Construction</b>		
Filter Media	Polypropylene	
Adapters	Polypropylene	
Elastomer	Buna, EPDM, Silicone, Viton (1)	
<b>Performance Conditions</b>		
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

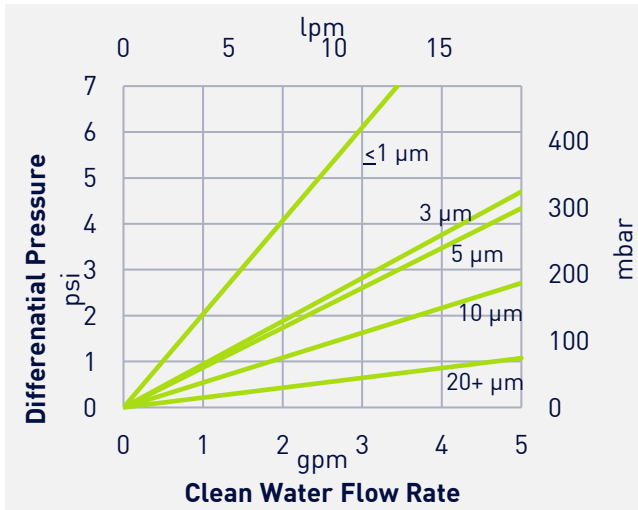
**Table 2: Removal efficiency based on a modified ASTM 795 test procedure**

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

Find a contact near you by visiting [www.suezwatertechnologies.com](http://www.suezwatertechnologies.com) and clicking on "Contact Us."

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**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.

### 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

SUEZ 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 SUEZ 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



**Table 3: Ordering information**

	1	2	3	4	5
Type	Micron Rating (absolute)	Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
Abs.Za	95 = 0.5 $\mu\text{m}$ 01 = 1 $\mu\text{m}$ 03 = 3 $\mu\text{m}$ 05 = 5 $\mu\text{m}$ 10 = 10 $\mu\text{m}$ 20 = 20 $\mu\text{m}$ 30 = 30 $\mu\text{m}$	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 <sup>(2)</sup> (flat gasket only) S = Silicone V = Viton <sup>(1)</sup>

(1) Viton is a registered mark of DuPont

(2) Santoprene is licensed to Advanced Elastomer Systems, L.P.

