Water Technologies & Solutions
fact sheet

Absolute.Za*

absolute rated depth cartridge filter with Z.Plex* filter technology

features and benefits

Absolute.Za (Abs.Za) is manufactured using patented Z.Plex filter technology and is engineered specifically for absolute filtration. (See Figure 1.) The patented filter matrix of the Absolute.Za provides unmatched performance in these applications.

The Absolute.Za filter composition incorporates small diameter fibers and an innovative 3-dimensional fiber matrix. The filter matrix maintains structural integrity while greatly increasing the filter's particle holding capacity and reducing pressure drop. This unique construction allows for absolute filtration and long life.

- Optimized performance for absolute filtration.
- Superior particle holding capacity
- Long filter life
- Low pressure drop
- Melt-bonded exterior ensures no media migration
- High strength polypropylene core
- NSF 61 certified, FDA compliant

typical applications

- Chemicals
- Food and Beverage
- Oil and gas
- Pharmaceuticals

general properties

Absolute.Za filters are made of polypropylene construction. Tables 1, 2, 3 and 4 provide information on dimensions and flow performance.

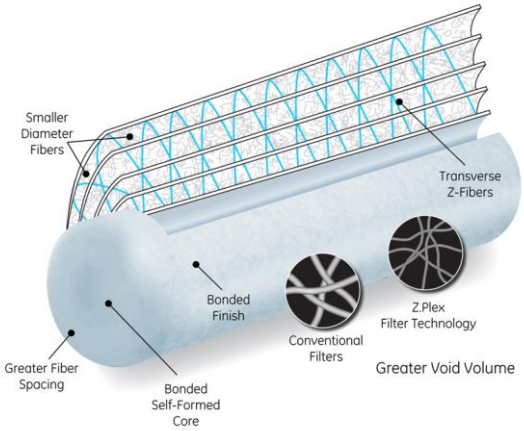

Fig 1: Patented Z.Plex Filter Technology

Table 1: Materials of Construction

Core	Polypropylene
Media	Polypropylene
Adapters	Polypropylene

Table 2: Dimensions

Nominal Outside Diameter	2.5in (6.4 cm)
Nominal Inside Diameter	1.1in (2.5 cm)

Table 3: Operational Limits

Maximum forward differential pressure	15 psid (1.03 bar) at 180°F (82°C) 25 psid (2.07 bar) at 150°F (66°C) 60 psid (4.14 bar) at 86°F (30°C)
Maximum recommended change-out pressure	35 psid (2.41 bar)

Find a contact near you by visiting www.suezwatertechnologies.com and clicking on "Contact Us."

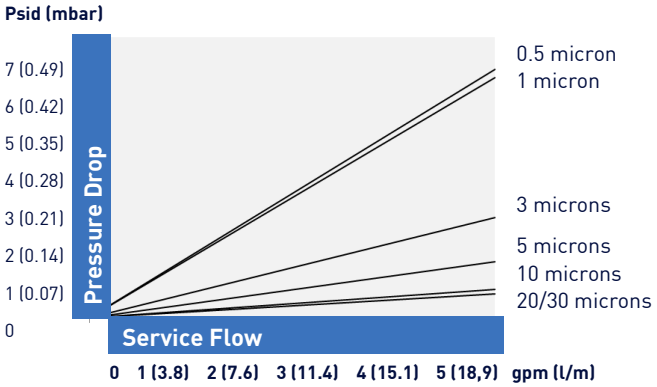

Fig. 2: Flow performance on clean water based on a 10in filter

Table 4: Retention rates

Micron rating	For General Applications Removal Rating (µm) at Various Efficiencies	
	90.0%	**99.9%**
0.5	> 0.5	< 1
1	> 0.5	1
3	1.20	3
5	1.80	5
10	7.5	10
20	14	20
30	26	30

additional information

Absolute.Za cartridge filters are made from thermally bonded fibers of polypropylene. SUEZ certifies that it uses no resin-binders, lubricants, anti-static or release agents or other additives in the manufacture of these cartridges, and that the resin used for manufacturing the filter media meets the food contact requirements of U.S. FDA 21CFR regulations.

Absolute.Za filters meet the test criteria for USP class VI-121°C Plastics.

Absolute.Za filters meet the safety requirements of Article 3 of the EU framework regulation No. 1935/2004/EC and may be used as intended in all of the EU member states in full compliance with the EU Plastics Regulation No.10/2011.

The Absolute.Za element is tested and certified by NSF International against NSF/ANSI Standard 61 for material requirements only.

SUEZ filter cartridges are 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.

If you are ordering Absolute.Za filters with standard ends and a silicone gasket, then your Product Order Number will look like this: **Abs.Za 01-40 AAS**. If you are ordering Absolute.Za with end adapters, select designations from all applicable columns. Your Product Order Number will look like this: **Abs.Za 01-40 EHE**.

Table 5: Ordering Information

Type	Absolute Micron Rating	Nominal cartridge Length inch (cm)	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 (25.1) 19 ½ (49.5) 20 (50.8) 29¼ (74.3) 29 ½ (74.9) 30 (76.2) 40 (101.6)	A = Open end w/gasket E = 222 O-Ring F = 226 O-Ring Y = Thermally bonded gasket	A = Open end w/gasket K = Self Seal Spring H = Fin S = Solid End Y = Thermally bonded gasket	S = Silicone E = EPDM B = Buna V = Viton[1] P = Santoprene[2] (available only with YY End Adapters)

[1]Viton is a registered trademark of DuPont; [2]Santoprene is a registered trademark of ExxonMobil Chemical.

ISO 9001 registered