

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

Typical Application

Chemicals	Oil and gas
Pharmaceuticals	Food and Beverage

Materials of Construction

100% polypropylene construction (filter, end caps and core)

Micron Ratings and Dimensions

- Micron ratings 0.5, 1.0, 3.0, and 5.0 micron
- Nominal O.D. 2.60"
- Nominal I.D. 1.10"

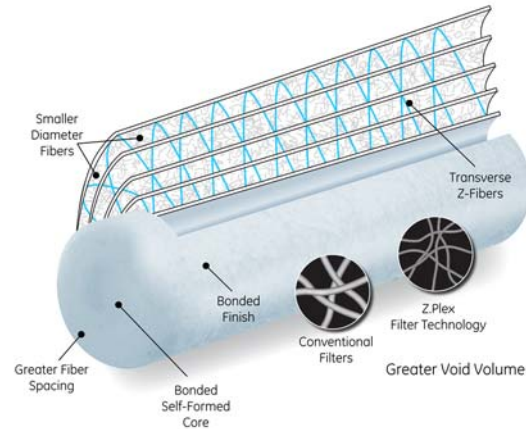


Figure 1: Patented Z.Plex Filter Technology
Patent Numbers: 6,916,395, 6,938,781, 6,986,427

Additional Information

Absolute.Za cartridge filters are made from thermally bonded fibers of polypropylene. GE 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.

GE 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 GE representative for more information.

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

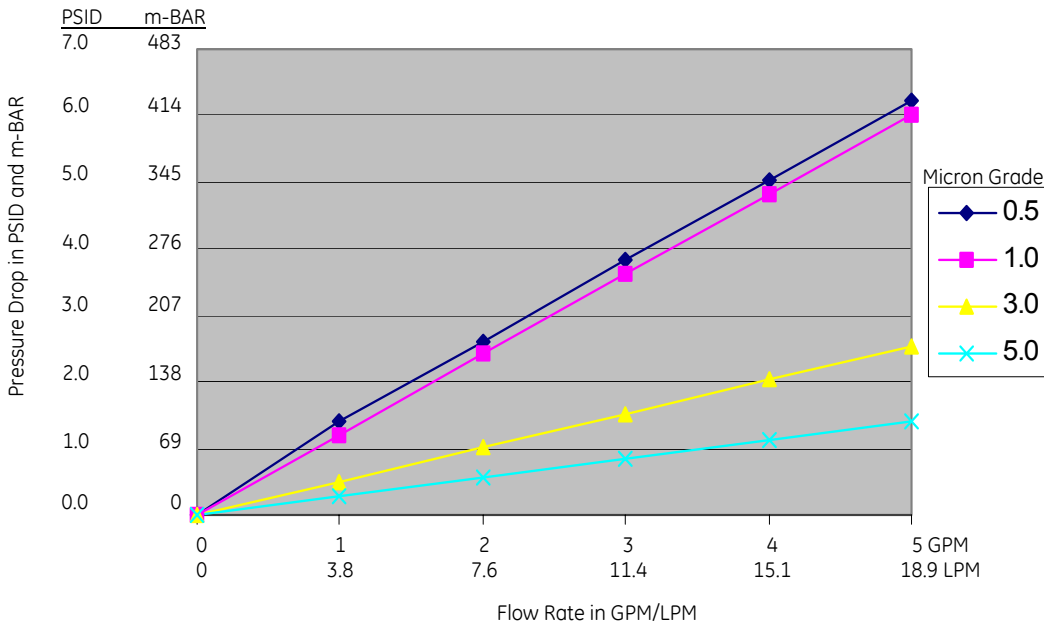


Abs.Za Performance Data

Micron Rating	Removal Rating (μm) at Various Efficiencies	
	90.0%	99.9%
0.05	>0.5)	< 1
1.0	>0.5	1
3.0	1.20	3
5.0	1.80	5

NOTE: Removal efficiencies are reported for a given particle size. An efficiency of 99.9% at 3 microns means that the filter removes 99.9% of the particles that are 3 microns in size.

Flow Performance in Clean Water



Ordering 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**.

Type	Absolute Micron Rating	Cartridge Length with Gaskets inch (cm)	End #1 Adapter	End #2 Adapter	Elastomer Material
Abs.Za	95 = 0.5 μm	9 7/8 (25.1)	A = Open End Gasket	A = Open End w/Gasket	B = Buna-N
	01 = 1.0 μm	19 1/2 (49.5)	E = 222 O-Ring	K = Self Seal Spring	E = EPDM
I.D. = 1.10"	03 = 3.0 μm	20 (50.8)	F = 226 O-Ring	H = Fin	S = Silicone
O.D. = 2.60"	05 = 5.0 μm	29 1/4 (74.3)		S = Solid End	V = Viton ¹
		30 (76.2)			
		40 (101.6)			

¹Viton is a trademark of DuPont Dow Elastomers