

# 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"

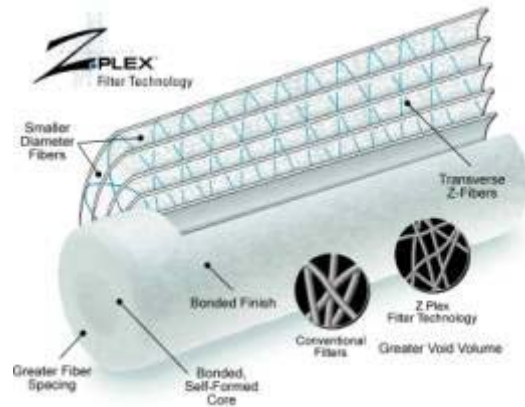


Figure 1: Patented Z.Plex Filter Technology  
Patent Numbers: 6,916,395, 6,938,781, 6,986,427

### 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.



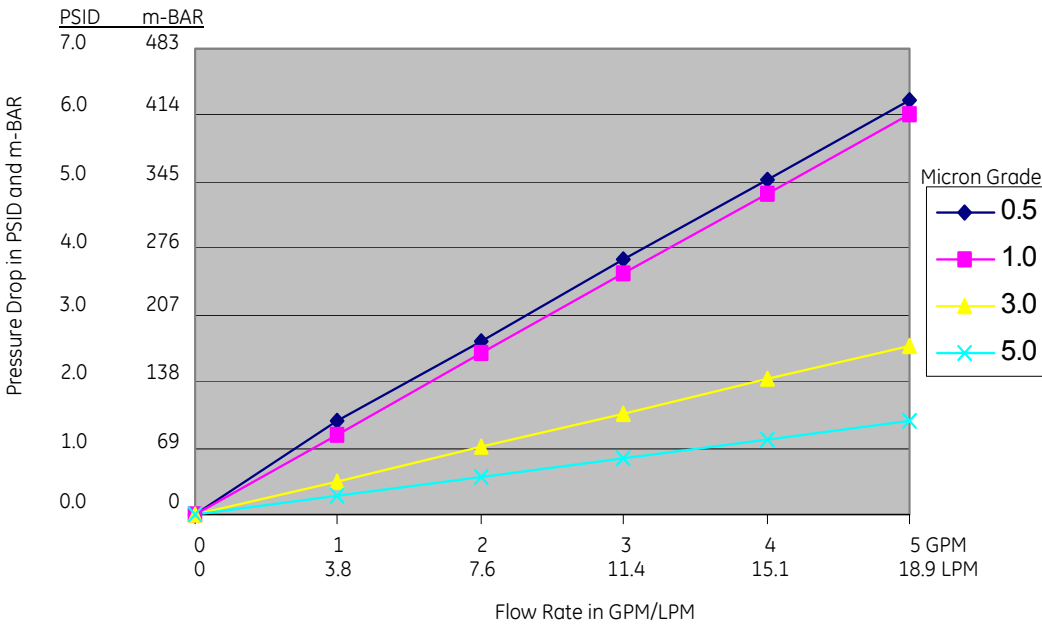
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## Performance Data

Type	Micron Rating	Removal Rating (µm) at Various Efficiencies	
		90.0%	99.9%
Abs.Za	0.5	> 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	Micron Rating µm	Cartridge Length with Gaskets (cm)	End 1 Adapter	End 2 Adapter	Gasket Material
Abs.Za	95 = 0.5	9 7/8 (25.1)	A = Open end w/gasket	A = Open end w/gasket	S = Silicone
	01 = 1.0	19 1/2 (49.5)	E = 222 O-Ring	K = Self Seal Spring	E = EPDM
I.D. = 1.10"	03 = 3.0	20 (50.8)	F = 226 O-Ring	H = Fin	B = Buna
	05 = 5.0	29 1/4 (74.3)		S = Solid End	V = Viton <sup>1</sup>
O.D. = 2.60"		30 (76.2)			
		40 (101.6)			

<sup>1</sup>Viton is a trademark of DuPont Dow Elastomers.