

Absolute.Za* DWI Depth Filter

FACT SHEET

Absolute rated depth cartridge regulation 31 listed for potable water use in the UK

Features and Benefits

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

The Absolute.Za DWI 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 Applications

- Potable water treatment: chlorinated and non-chlorinated water.
- Equipment protection, incl. reverse osmosis prefiltration
- Final point of use filtration

General Properties

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

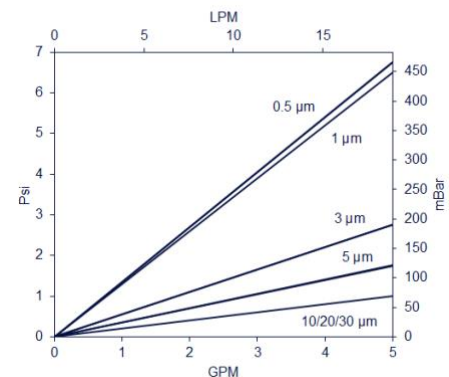


Fig. 1: Flow performance on clean water based on a nominal 10in filter

Table 1: Materials

Core	Polypropylene
Media	Polypropylene
Adapters	Polypropylene

Table 2: Dimensions

Nom. Outside Diameter	2.5in (64 mm)
Nom. Inside Diameter	1.1in (25 mm)

Table 3: Operational Limits

Max. 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)
Max. recommended change-out pressure	35 psid (2.41 bar)

Regulations

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

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

Absolute.Za DWI filters meet the safety requirements of Article 3 of the EU framework regulation No. 1935/2004/EC. They 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 DWI has been approved under Regulation 31 of the Water Supply (Water Quality) Regulations 2016. It has passed the UK Water Bylaws / WRAS 'Full Test of Effect on Water Quality (BS6920:Part 1) – Cold Water Use' and has been added to the List of Approved Products produced by the Drinking Water Inspectorate (UK) on behalf of the UK Authorities.

Filtration Efficiency

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	1.2	3
5	1.8	5
10	7.5	10
20	14	20
30	26	30

Additional Information

To order Absolute.Za DWI, select designations from all applicable columns. Your Product Order Number will look like this: **Abs.Za 01-40 EHE DWI**.

Table 5: Ordering Information

Type	Absolute micron rating	Nominal cartridge length inch (mm)	End #1 adapter	End #2 adapter	Elastomer Material	
Abs.Za	95 = 0.5 µm	9 7/8 (251)	A = Open end w/gasket	A = Open end w/gasket	E = EPDM	DWI
	01 = 1 µm	19 ½ (495)	E = 222 O-Ring	H = Fin		
	03 = 3 µm	20 (508)	M = 224 O-Ring	S = Solid End		
	05 = 5 µm	29¼ (743)	F = 226 O-Ring			
	10 = 10 µm	29 ½ (749)				
	20 = 20 µm	30 (762)				
	30 = 30 µm	40 (1016)				

