

Z.Plex* Filterplex.Z Depth Filter

FACT SHEET

WATER TECHNOLOGIES



For Exceptional Value in General Applications



Features and Benefits

- Ideal for municipal water prefiltration and highly suitable for general applications
- Graded density traps particles throughout
- Lower initial pressure drop than conventional depth filters
- Filter composition contains no resin binders, lubricants, antistatic or release agents

Applications

- Municipal water systems pre-filtration
- General industrial use
- Ground or surface water prefiltration
- Potable water filtration
- Commercial and residential filtration
- Chemical filtration

Specifications

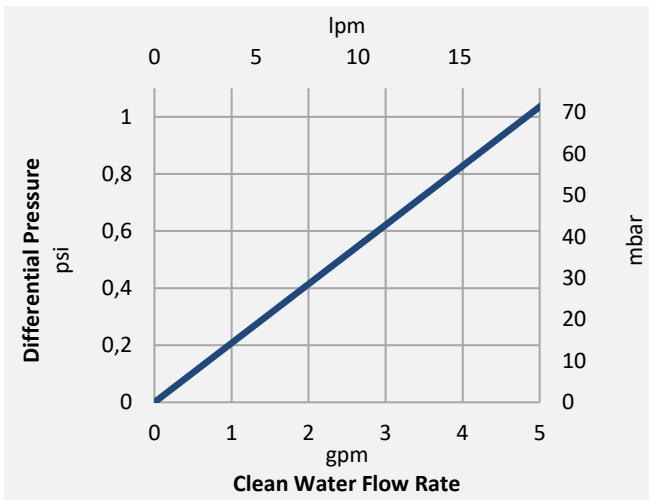
Table 1: Specifications and performance information

Ratings	1, 5 microns (nominal)
Inner Diameter (nominal)	1 in (2.5 cm)
Outer Diameter	2.46 in (6.2 cm)
Lengths	See Table 3: ordering information
Materials of Construction	
Filter Media	Polypropylene
Spring Adapter option	Polypropylene
Performance Conditions	
Flow:	Exterior to interior
Maximum pressure drop:	35 psid (2.4 bar) @ 77°F (25°C)
Recommended change-out pressure drop:	20 psid (1.4 bar) @ 77°F (25°C)

Efficiency Information

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

Micron Rating	Removal Rating (µm) at Various Efficiencies		
	90.0%	99.0%	99.9%
1 µm	<i>Efficiency of nominal filters varies by application. See note for information on nominal filter efficiency¹</i>		
5 µm			



Graph 1: Z.Plex Filterplex.Z Depth Filter clean water flow rate based on a 10 in length filter. One line for both micron ratings.

Quality

Veolia's Filterplex.Z filters are manufactured under a quality management system. Each filter case has a packaging code that enables tracing of the filters to a production date and shift.

Filter Media Certifications

- U.S. FDA 21 CFR 177.1520
- EU Framework Regulation No. 1935/2004/EC
- EU Plastics Regulation No. 10/2011
- USP class VI-121°C Plastics criteria
- NSF 61 certification
- ISO 9001:2015 certified processes

Veolia depth cartridge filters 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 Veolia representative for more information.

Ordering Information

Replace the numbers with your desired values from each column. Omit columns 3 and 4 if code is XX.

Example: FP.Zs01-40-XK-PW or FP.Zs05-500MM-B

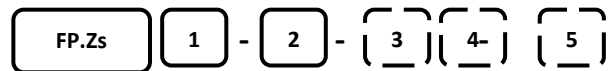


Table 3: Ordering information

	1	2	3	4	5
Type	Micron Rating (nominal)	Cartridge Length	End #1 Adapter	End #2 Adapter	Packaging
FP.Zs	01 = 1 µm 05 = 5 µm	10 in (25.4 cm) 20 in (50.8 cm) 30 in (76.2 cm) 40 in (101.6 cm) 50 in (127 cm) 500MM millimeter 750MM millimeter 1000MM millimeter	X = Standard Open End (no gasket)	K = Self Seal Spring X = Standard Open End (no gasket)	B = Bulk PW = Paper Wrap (not available in 10 or 50in)

¹ Absolute-rated filters have been designed and tested to reject at least 99% of particles of the listed micron size. Nominal-rated filters have a wider distribution of pore sizes and therefore a wider distribution of rejected particle sizes. The nominal rating is primarily used to compare efficiencies across a filter family and between filter manufacturers. Efficiency is dependent on particle shape, size, composition, application, and testing protocol.