

WellPro.Z*

FACT SHEET

Z.Plex* technology depth filter for well injection



Features and Benefits

- Engineered specifically for well water injection, produced water disposal, and other oil and gas applications
- Excellent temperature and oil resistance
- Superior protection of equipment components
- Optimized exterior decreases premature loading
- Provides lower total cost of filtration operations

Applications

- Oil and gas
- Well injection
- Produced water filtration
- Water flood and enhanced oil recovery
- Brine filtration
- Sea water filtration

Specifications

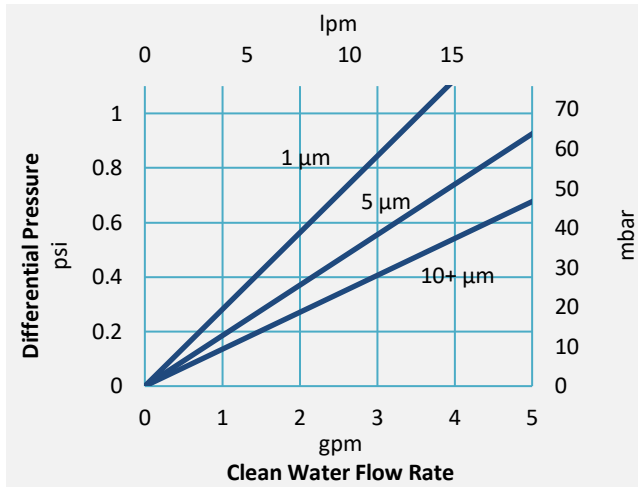
Table 1: Specifications and performance information

Ratings	1, 5, 10, 20 microns (nominal)	
Inner Diameter (nominal)	1 in (2.5 cm)	
Outer Diameter	2.5 in (6.4 cm)	
Lengths	19 1/2 in (49.5 cm)	30 in (76.2 cm)
	20 in (50.8 cm)	40 in (101.6 cm)
	29 in (74.3 cm)	
<i>Longer lengths up to 70 in may be available upon request</i>		
Materials of Construction	Filter Media	Polypropylene
	Adapters	Polypropylene
	Elastomer	Buna, EPDM, Silicone, Viton (1)
Performance Conditions	Maximum pressure drop:	
	85 psid (5.9 bar) @ 80°F (27°C)	
	50 psid (3.4 bar) @ 130°F (54°C)	
	35 psid (2.1 bar) @ 160°F (71°C)	
	Recommended change-out pressure drop:	
	35 psid (2.4 bar) @ 77°F (25°C)	

Efficiency Information

Table 2: Removal efficiency based on a modified ASTM 95 test 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 efficiency (2)</i>		
5 µm			
10 µm			
20 µm			







Graph 1: WellPro clean water flow rate based on a 10 in length filter

Quality

WellPro filters are manufactured under a quality management system that has been certified to meet ISO 9001 standards. Each filter is assigned a lot code to ensure traceability of the data and materials used in the manufacturing process.

Table 3: Ordering information

Type	Micron Rating (nominal)	Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
WP.Zs	01 = 1 µm	19 1/2 in (49.5 cm)	 E = 222 O-Ring	 H = Fin	B = Buna
	05 = 5 µm	20 in (50.8 cm)	 X = Standard Plain End (no gasket)	 K = Self Seal Spring	E = EPDM
	10 = 10 µm	29 in (74.3 cm)		 S = Solid End	S = Silicone
	20 = 20 µm	30 in (76.2 cm)		 X = Standard Plain End (no gasket)	V = Viton (1)
	40 in (101.6 cm) <i>Longer lengths up to 70 in may be available upon request</i>				

(1) Viton (trademark of The Chemours Company)

(2) 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.

Certifications

- EU Plastics Regulation No. 10/2011 food contact requirements
- Article 3 of the EU Framework Regulation No. 1935/2004/EC safety requirements
- EU Plastics Regulation No. 10/2011 (may be used as intended in all compliant EU Member states)
- USP class VI-121°C Plastics criteria
- NSF 61 criteria
- ISO 9001 criteria

Veolia filter cartridges 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. Columns 3, 4, and 5 are optional depending on the desired configuration.

Example: WP.Zs 01-20-ESS

