

# WellPro.Z\*

## 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**

<b>Ratings</b>	1, 5, 10, 20 microns (nominal)	
<b>Inner Diameter (nominal)</b>	1 in (2.5 cm)	
<b>Outer Diameter</b>	2.5 in (6.4 cm)	
<b>Lengths</b>	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>	
<b>Materials of Construction</b>	Filter Media	Polypropylene
	Adapters	Polypropylene
	Elastomer	Buna, EPDM, Silicone, Viton (1)
<b>Performance Conditions</b>	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

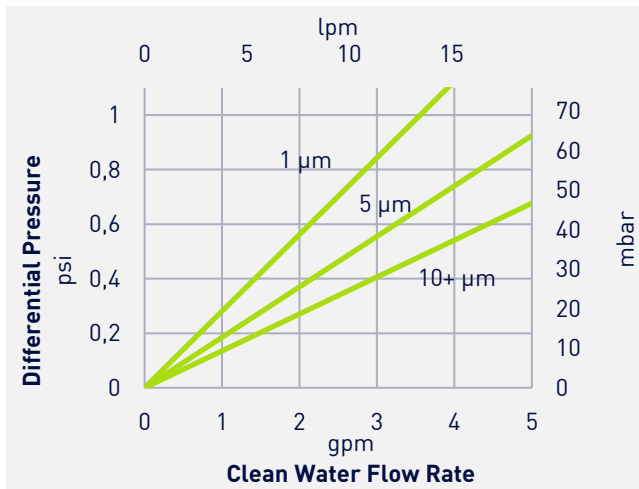
**Table 2: Removal efficiency based on a modified ASTM 795 test procedure**

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			

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**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.

### 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

SUEZ 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 SUEZ 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



**Table 3: Ordering information**

	1	2	3	4	5
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 E = EPDM S = Silicone V = Viton <sup>(1)</sup>
	05 = 5 µm	20 in (50.8 cm)	 X = Standard Plain End (no gasket)	 K = Self Seal Spring	
	10 = 10 µm	29 in (74.3 cm)		 S = Solid End	
	20 = 20 µm	30 in (76.2 cm) 40 in (101.6 cm) <i>Longer lengths up to 70 in may be available upon request</i>		 X = Standard Plain End (no gasket)	

(1) Viton is a registered mark 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.

