Water Technologies & Solutions
fact sheet

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 geologic strata
- 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

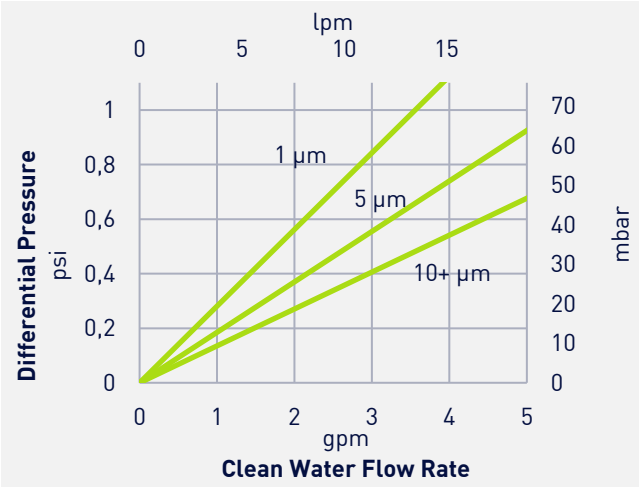
Ratings	1, 5, 10, 20 microns (nominal)
Inner Diameter (nominal)	1 in (2.5 cm)
Outer Diameter	2.5 in (6.4 cm)
Lengths	
19 1/2 in (49.5 cm)	30 in (76.2 cm)
20 in (50.8 cm)	40 in (101.6 cm)
29 in (74.3 cm)	
Longer lengths up to 70 in may be available upon request	
Materials of Construction	
Filter Media	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 795 test procedure

	Removal rating (µm) at various efficiencies		
Micron Rating	**90.0%**	**99.0%**	**99.9%**
1 µm			
5 µm	*Efficiency of nominal filters varies by application. See note for information on nominal filter efficiency (2)*		
10 µm			
20 µm			

Find a contact near you by visiting www.suezwatertechnologies.com and clicking on "Contact Us."



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
- 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

WP.Zs	1	-	2	-	3	4	5

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 05 = 5 µm 10 = 10 µm 20 = 20 µm	19 1/2 in (49.5 cm) 20 in (50.8 cm) 29 in (74.3 cm) 30 in (76.2 cm) 40 in (101.6 cm) *Longer lengths up to 70 in may be available upon request*	 E = 222 O-Ring  X = Standard Plain End (no gasket)	 H = Fin  K = Self Seal Spring  S = Solid End  X = Standard Plain End (no gasket)	B = Buna E = EPDM S = Silicone V = Viton[1]

[1] Viton is a registered mark of DuPont

[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.

ISO 9001 registered