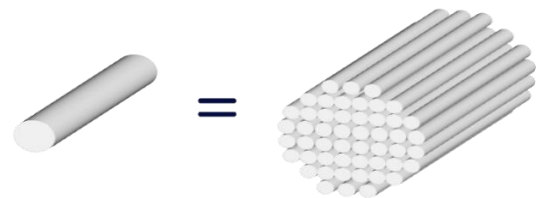


Nominal High Flow Z*

FACT SHEET

Z.Plex* technology depth filter for increased flow filtration



1 High Flow Z filter

50 standard filters

Figure 1: A single 40-inch High Flow Z filter has the dirt holding capacity of 50 standard 40-inch length depth cartridge filters.

Features and Benefits

- Large diameter for high volume filtration
- Polypropylene melt-blown depth media filter design
 - Graded density retains particles throughout the full diameter of the filter
 - Enhanced dirt-holding capacity yields quicker upset recovery and less surface binding
 - Outperforms pleated filters
- Easier and less frequent change-outs than conventional standard 2.5 in. outer diameter depth filters
- Lower total cost of filtration operations
- Superior SDI reduction

Applications

- Amine filtration
- Well injection
- Produced water filtration
- Waterflood
- Enhanced oil recovery

Specifications

Table 1: Specifications and performance information

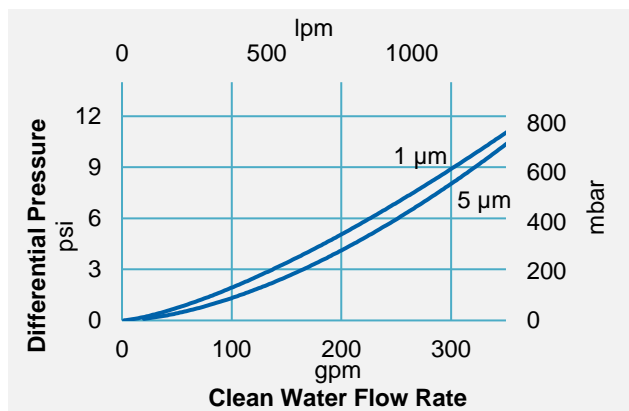
Nominal Micron Ratings	1, 5 microns	
Lengths	40 in (101.6 cm)	
	60 in (152.4 cm)	
Inner Diameter	40 in length	1.6 in (4.1 cm)
	60 in length	3.1 in (7.9 cm)
Outer Diameter	6.5 in (16.5 cm)	
Materials of Construction		
	Filter Media	Polypropylene
	Adapters	Polypropylene
	Elastomer	EPDM
Performance Conditions		
Maximum pressure drop:		
	50 psid (3.4 bar) @ 77°F (25°C)	
	35 psid (2.4 bar) @ 160°F (71°C)	
Recommended change-out pressure drop:		
	35 psid (2.4 bar) @ 77°F (25°C)	

Efficiency Information

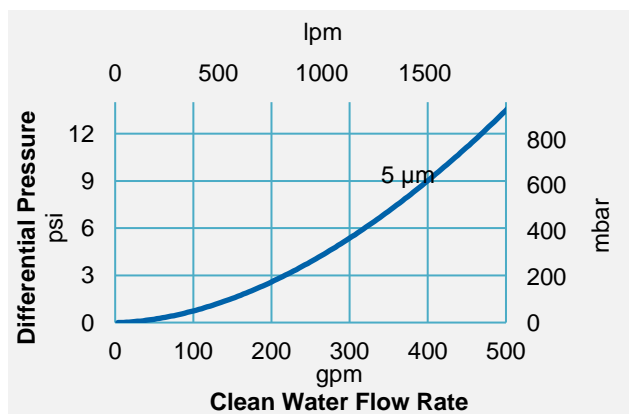
Table 2: Removal efficiency based on a modified ASTM 795 test procedure

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 efficiency¹</i>		
5 μm			

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 or 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.



Graph 1: High Flow Z clean water flow rate based on a 40 in length filter



Graph 2: High Flow Z clean water flow rate based on a 60 in length filter

Quality

High Flow Z 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.

Compliance

- US FDA 21 CFR compliant materials
- 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).
- Meets USP Class VI-121 C plastics criteria.
- NSF 61 certified
- ACS certified (Attestation de Conformité Sanitaire). (EPDM o-rings only).
- ISO 9001:2015 certified processes

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

Table 3: Part Numbers

Length	Nominal Micron	Part number	Description
40"	1	3146356	HF.ZS 01-40-FSE
	5	3146358	HF.ZS 05-40-FSE
60"	1	3156436	HF.ZS 01-60-TSE
	5	3156621	HF.ZS 05-60-TSE

Table 4: Description key

End #1 Adapter	End #2 Adapter	Elastomer Material
F = 226 O-Ring	S = Closed end with ergonomic handle	E = EPDM
T = 338 O-Ring		

Table 5: Elastomer Kits

Filter Adaptor	Material	Part number	Quantity
40" (226)	Buna	3195517	80 ³
40" (226)	Silicone	3195811	80 ³
40" (226)	Viton ²	3195812	80 ³
60" (338)	Buna	3195815	25
60" (338)	Silicone	3195814	25
60" (338)	Viton ²	3195816	25

² Viton is a registered mark of The Chemours Company.

³ Two (2) required on 226 adapters for each filter

