

Absolute High Flow Z*

FACT SHEET

Z.Plex* technology depth filter for absolute increased flow filtration

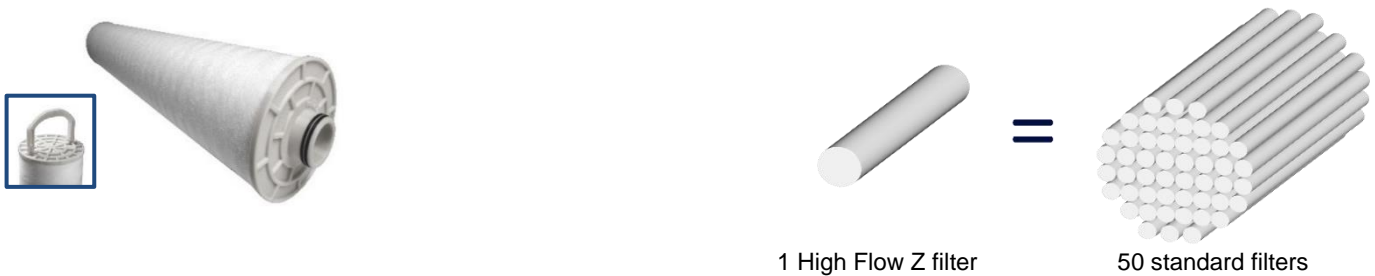


Figure 1: A single 40-inch High Flow Z filter has the dirt holding capacity of 50 standard 40-inch length depth cartridge filters.

Features and Benefits

- Absolute filtration in a large diameter filter format
- 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 most pleated filters
- Easier and less frequent change-outs than conventional standard 2.500 depth filters
- Consistent, reproducible performance and filtration quality
- Lower total cost of filtration operations
- Superior SDI reduction

Applications

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

Specifications

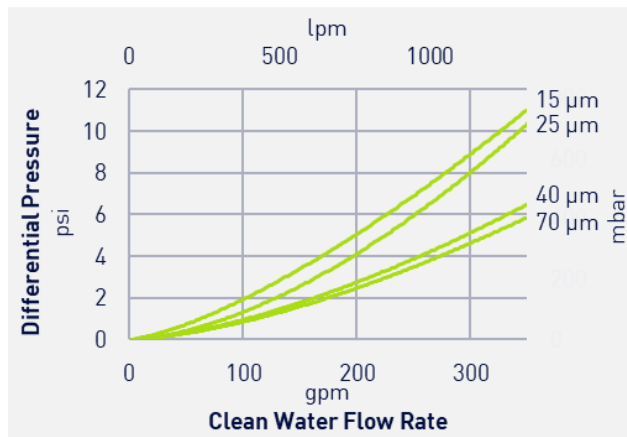
Table 1: Specifications and performance information

Ratings	15, 25, 40, 70 microns (absolute)
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)
Lengths	40 in (101.6 cm) 60 in (152.4 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)

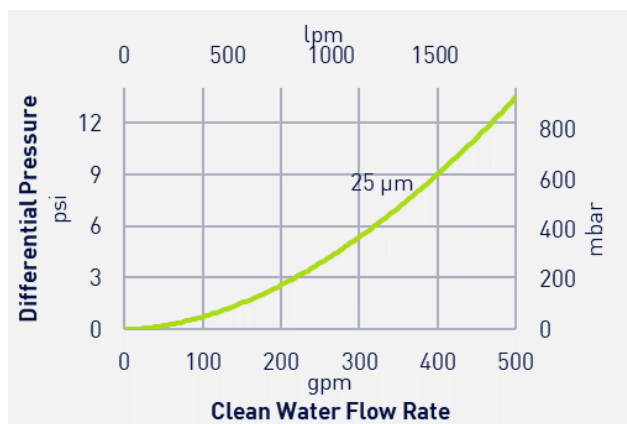
Efficiency Information

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

Micron Rating	Removal Rating (µm) at Various Efficiencies		
	90.0%	99.0%	99.9%
15 µm	10.2	13.7	15.0
25 µm	17.9	23.5	25.0
40 µm	26.1	36.8	40.0
70 µm	36.8	55.7	65.0



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.

Certifications

- U.S. FDA 21CFR 177.1520 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

Table 3: Part numbers

Length	Absolute Micron	Part Number	Description
40"	15	3146310	HF.Za 15-40-FSE
	25	3138124	HF.Za 25-40-FSE
	40	3146282	HF.Za 40-40-FSE
	70	3137940	HF.Za 70-40-FSE
60"	15	3155830	HF.Za 15-60-TSE
	25	3155716	HF.Za 25-60-TSE
	40	3155739	HF.Za 40-60-TSE
	70	3155852	HF.Za 70-60-TSE

Table 4: Description key

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

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

