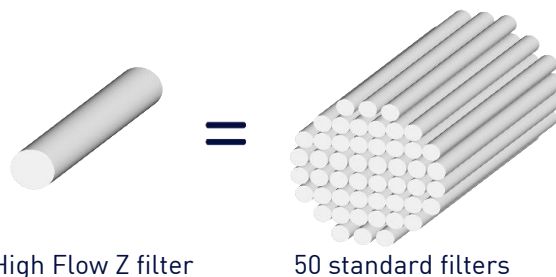


# Absolute High Flow Z\*

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
- True 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 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**

<b>Ratings</b>	15, 25, 40, 70 microns (absolute)	
<b>Inner Diameter</b>	40 in length	1.6 in (4.1 cm)
	60 in length	3.1 in (7.9 cm)
<b>Outer Diameter</b>	6.5 in (16.5 cm)	
<b>Lengths</b>	40 in (101.6 cm)	
	60 in (152.4 cm)	
<b>Materials of Construction</b>		
	Filter Media	Polypropylene
	Adapters	Polypropylene
	Elastomer	EPDM, Silicone
<b>Performance Conditions</b>		
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)	

Find a contact near you by visiting [www.suezwatertechnologies.com](http://www.suezwatertechnologies.com) and clicking on "Contact Us."

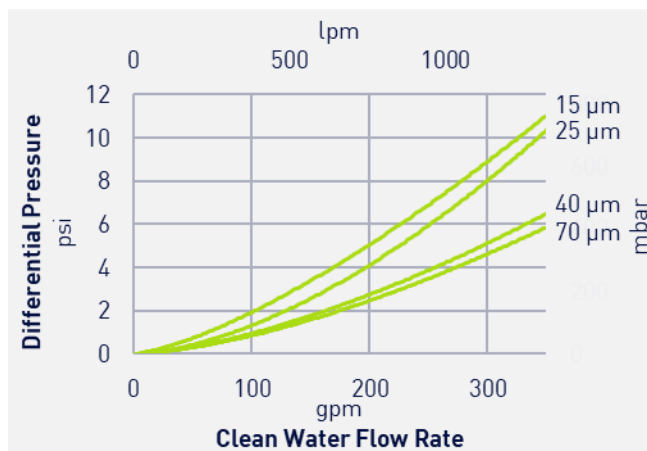
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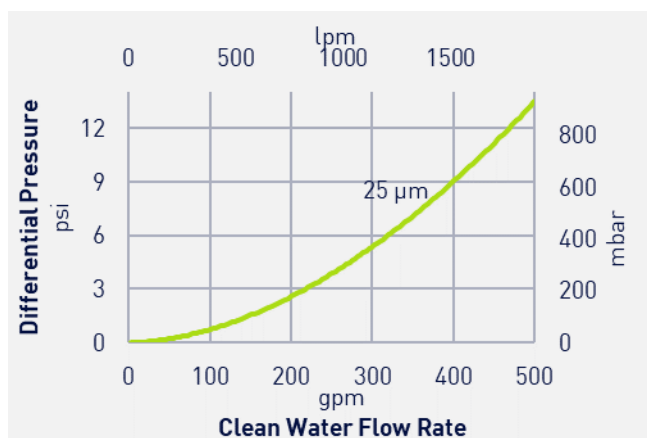
## efficiency information

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

Micron Rating	Removal rating ( $\mu\text{m}$ ) at various efficiencies		
	90.0%	99.0%	99.9%
15 $\mu\text{m}$	10.2	13.7	15.0
25 $\mu\text{m}$	17.9	23.5	25.0
40 $\mu\text{m}$	26.1	36.8	40.0
70 $\mu\text{m}$	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

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:** HF.Za 15-60-FTE



**Table 3: Ordering information**

	1	2	3	4	5
Type	Micron Rating (absolute)	Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
HF.Za	15 = 15 µm 25 = 25 µm 40 = 40 µm 70 = 70 µm	40 in (101.6 cm) 60 in (152.4 cm)	F = 226 O-Ring (40 in only) T = 338 O-Ring (60 in only) 	S = Closed End with ergonomically designed handle 	B = Buna E = EPDM S = Silicone V = Viton (1)

(1) Viton is a registered mark of DuPont

