

The Eliminator™

Nano Filtration

Sub-Micron Electropositive Cartridges

The Eliminator™ cartridge is a cost effective and economical solution to remove electronegative sub-micron particles.

These pleated cartridges have a high surface area and can provide removal of 99.9% of 0.2 micron particles. While other nano filter technology has a very low flow capability, The Eliminator™ cartridge can flow up to 10 gpm per 10" cartridge with very low initial pressure drop.

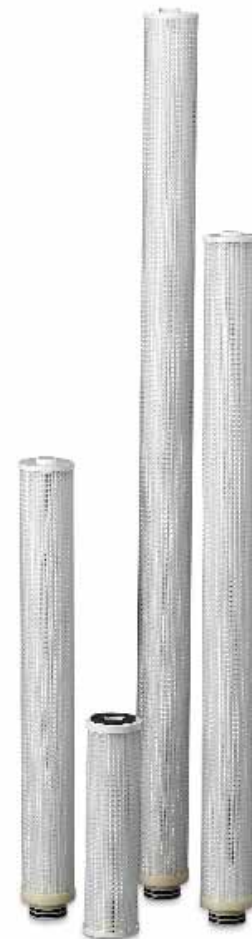
The media can remove negatively charged particles, such as bacteria, organics, WSO's, copper, iron, lead, tin and more. Developed for the purification of drinking water, the media does have application in the wastewater industry if applied correctly.

Benefits and Features

- Meet governmental regulations
- Lower operating costs
- Lower consumable costs
- Reduced maintenance due to fouling
- Increased machine and tool life
- Increased life span of valuable fluids
- Can be incinerated
- Capable of removing most of the toughest emulsions
- Radial flow design increase flow with minimal pressure drop
- Tough design withstands harsh environments
- Industry standard sizes and end caps available
- Operating temperature to 65°C
- Withstands high Dp up to 5 bar
- Typically removes better than 99% in a single pass

Applications

- Turbidity reduction
- Post oil/water separator polishing
- Oil field produced water
- Wastewater treatment
- Process water
- Membrane pretreatment



Specifications

Materials of Construction

- Absorbent: Micro Glass & Proprietary Medias
- Support Construction: 100% Polypropylene
- Seal Material: Buna-N

Cartridge Dimensions (nominal)

OD: 2.75" 4.50" 6.50"

Lengths:

- | | | |
|----------|----------|---------|
| • 9.875" | • 9.875" | • 27.5" |
| • 20.0" | • 20.0" | • 31.0" |
| • 30.0" | | |
| • 40.0" | | |

Maximum Recommended Operating Conditions

- Temperature: 150°F (65°C)
- Pressure D/P: 60 psid (4 bar)
- Flow Rate:
 - 2.75" OD: 10 gpm per 10"
 - 4.50" OD: 20 gpm per 10"
 - 6.50" OD: 25 gpm (recommended flow < 10% of maximum)
- Change Out Pressure Drop: 35 psid (2.4 bar)

Recommended pH Range

- pH 5 - 10

Ordering Information

ELM

Series

The Eliminator™



Diameter

2 = 2.75"
4 = 4.50"
6 = 6.50"



Length

10 = 9.875"
20 = 20.00"
27 = 27.50"
30 = 30.00"
40 = 40.00"

A

Core

A = Standard



End Cap

1 = Double Open Ended
2 = Single Open Ended (222 O-ring / Flat Top)
3 = Single Open Ended (226 O-ring / Handle Top)

Example:

ELM-2-10-A-1 = The Eliminator™ - 2.75" OD – 9.875" Long – Standard Core – Double Open Ended Caps



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WARNING! It is the responsibility of the end user to use this product as intended and to dispose of the used product in accordance with all governmental regulations.