

# The Oil Eliminator®

When it has to be  
oil free™



[www.vigilantenvironmental.com](http://www.vigilantenvironmental.com)

## THE OIL ELIMINATOR® SERIES 450



### World Leading Hydrocarbon Removal Cartridges

#### Unmatched Performance In A Patented Design

- Arguably the best choice on the market to remove or reduce hydrocarbon contamination from water.
- Filled with our various blends of media.
- Radial flow design provides the largest possible surface area, while also reducing the media bed depth, which reduces back-pressure and unused media.
- Low maintenance design.
- Low consumable costs due to high capacity.
- Removes up to 4 times the amount of competing cartridges, and with a higher reduction of tough emulsions.
- Used by multiple Oil Water Separator manufacturers to meet the IMO 107/49 regulation, with certification to less than 5 ppm by some.
- Removes oil, grease, oil emulsions, water soluble oils and hydrocarbons, BTEX range and more in a single pass.
- Use to reduce discharge to near non-detectable limits.
- Unique design; the shell removes the heavier oils to protect the internal media from being coated and blinded off.
- Use as a stand-alone oil water separator, or to enhance the discharge quality from an existing oil water separator system.
- Cartridges available in lengths from 10" to 40".
- Cartridges available in multiple end cap configurations.

## Product Specifications

### *Materials of Construction:*

- Shell Media: Polypropylene
- End Caps: Polypropylene
- Core: Polypropylene
- Gaskets/O-rings: Buna-N, Viton, Silicone

### *Dimensions:*

- Outside Diameter: DOE Type: 4.50" (114mm) / 226 Type: 4.80" (122mm)
- Inside Diameter: 0.990" (25.2mm)
- Lengths: 9.9375" to 40" (252mm to 1016mm)

### *Available In:*

- OE
- ECO
- OE/ECO
- ECO PLUS
- WSO
- OE/NF
- ECO/NF
- Custom Blends

## Performance Specifications

### *Maximum Differential Pressure:*

- 50 psid (3.45 bar) @ 70° F (20° C)
- 25 psid (1.72 bar) @ 175° F (80° C)

### *Recommended Change Out Differential Pressure:*

- 35 psid (2.4 bar) @ 70° F (20° C)
- 15 psid (1 bar) @ 175° F (80° C)

### *Recommended Flow Rate Per 10" Length:*

- 2.0 GPM (7.5 LPM) Initial D/P Less Than 1.0 PSI (0.08 bar)\*  
\* Can handle higher flow rates, but will have lower performance.

## Ordering Information

OE-4	-35	-A	-3		Note
Product Name And Series	Cartridge Length	Core	End Style	O-ring Type	
OE ECO OE/ECO ECO PLUS WSO OE/NF ECO/NF	10 = 10" 20 = 20" 30 = 30" 40 = 40"	A = Standard P = Premium	1 = DOE Double Open Ended  3 = 226 O-rings, Grab Handle Top	Blank = Buna-N  V = Viton  S = Silicone	DOE Type Only Available In Buna-N