

R Series OE Oil/Water Separation Cartridge

Oil Eliminator cartridges utilize media that can economically reduce hydrocarbon contamination in aqueous solutions. Our radial flow designs provide the largest possible surface area, reducing the media bed depth. The OE Series is capable of removing very high concentrations of free oil, dispersed oil, as well as surfactant based emulsions, and dissolved hydrocarbons to non-detectable levels.

These cartridges can be used as stand-alone oil water separators, or to enhance or protect other systems.

3 Styles

The Oil Eliminator OE™

Our top performing OE cartridge capable of breaking the IMO 107(49) surfactant based emulsion in a single pass. The special patented non swelling organic clay allows the cartridge to be filled with 100% active oil absorbing media, providing greater oil holding capacity.

The ECO™

The ECO is our GREEN cartridge, made using a uniquely processed post consumer recycled media. The ECO has the ability to remove soluble oils from water in a single pass. It can be used alone or following our standard Oil Eliminator™ cartridge to bring the effluent down to non-detect levels. US patent pending
No. 13/051,872

The Oil Eliminator NF™

The OENF cartridge uses a combination of adsorbing media and nano-technology to remove high concentrations of free and oil emulsions. This high area, pleated cartridges can provide particle removal of 0.2 u @ 99.9% efficiency. The OENF's adsorptive characteristics remove negatively charged particles such as bacteria, organic contaminants, heavy metals such as copper, iron, lead, and tin. US patent pending
No. 12/582,684



Specifications

Materials of Construction:

Absorbent: Polypropylene & Proprietary Medias
Support Construction: 100% Polypropylene

Seal Material: Buna-N

Maximum Recommended Operating Conditions:

Temperature: 150°F (65°C)

Pressure D/P: 75 psid (5 bar)

Maximum Flow Rate:

Series 250: 1 gpm per 10"

Series 450: 5 gpm per 10"

Series 650: 20 gpm
(recommended flow < 50% of max.)

Change Out Pressure Drop: 35 psid (2.4 bar)

Approximate Oil Capacity Removal (10" Length):

OE 250 160-200 ml

OE 450 500 ml

OE 650 3 l

How To Order

Build an ordering code as shown in the example

Features

- Meet governmental regulations
- Reduced maintenance due to fouling
- Can be incinerated
- Minimal pressure drop
- Withstands harsh environments
- Industry standard sizes and end caps
- Operating temperature to 65°C
- Withstands high Dp up to 5 bar
- Typically removes better than 99% in a single pass

Applications

- Commercial bilge and ballast water
- Post oil/water separator polishing
- Oil field produced water
- Pipeline maintenance activities
- Hydraulic tramp oil removal
- Parts washing and plating baths
- Compressor condensates
- Boiler blow down
- Membrane pretreatment
- GAC pretreatment
- Pump sump discharge

SERIES 250



Example: 250-OE-2-10-A-1

SERIES 250

- The Oil Eliminator = **OE**
- The Oil Eliminator ECO = **ECO**
- The Oil Eliminator NPM = **NF**

Diameter

- 2.75" = **2**
- 9.875" = **10**
- 20.0" = **20**
- 30.0" = **30**
- 40.0" = **40**

Length

End Cap

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

Core

- A** = Standard
- S** = Special

SERIES 450



Example: 450-OE-2-10-A-1

SERIES 450

- The Oil Eliminator = **OE**
- The Oil Eliminator ECO = **ECO**
- The Oil Eliminator NPM = **NF**

Diameter

- 4.50" = **4**
- 9.875" = **10**
- 20.0" = **20**

Length

End Cap

- 1** = Double Open Ended

Core

- A** = Standard

SERIES 650



Example: 650-OE-2-10-A-1

SERIES 650

- The Oil Eliminator = **OE**
- The Oil Eliminator ECO = **ECO**
- The Oil Eliminator NPM = **NF**

Diameter

- 6.50" = **6**
- 27.50" = **27**
- 31.0" = **30**

Length

End Cap

- 3** = Single Open Ended (226 O-ring / Handle Top)

Core

- A** = Standard