

# OIL-XORB Multi-Cartridge Filters

The OIL-XORB multi-cartridge filters are used to remove oils and other hydrocarbons, including **EMULSIFIED OILS**, from water in a single pass. They can be loaded with our standard oil & grease cartridges, or with our emulsion busting units. They can stand alone; however, it is recommended that they be installed in a series arrangement with either another cartridge unit, or with our OX-P2 bag filter unit.



## Solving The Problem

Ships crews have been dealing with the problem of bilge water discharge for years. Most Chief Engineers we've spoken with readily admit that most OWS's (Oil Water Separators) do not consistently perform well enough to maintain a discharge concentration of 15 PPM or less. When heavy or emulsified oils are encountered by the OWS most are typically unable to remove these to below the 15 PPM requirement.

With evermore strict enforcement of the current laws, crewmembers and company executives are putting themselves in jeopardy every time they send water over the side of a vessel. Without OIL-XORB they are forced to keep the water onboard until such time as they can send it ashore, which can be expensive.

With the OIL-XORB system these problems are solved. By simply installing our OIL-XORB system on the discharge of the OWS you can consistently and easily meet the 15 PPM requirement.

### Stop All Oil Overboard!

**But why just meet the 15 PPM limit?** Show your commitment as an environmentally sensitive company and install OIL-XORB.

### Real World Performance

For more than 18 months a vessel with a major oil carrier out of Alaska has been unable to consistently discharge their bilge water over the side. They spent approximately \$25,000 on a new separator and tests still showed more than 40 PPM of oil out of the *new* unit. After installing the OIL-XORB system they consistently see 0-1 PPM<sup>1</sup> indicated on the overboard monitor. And the typical cost? Approximately 2.5 cents per gallon<sup>2</sup>.

## Uses:

OWS Effluent Polishing  
Bilge Water Discharge  
Deck Runoff  
Ballast Water

## Specifications:

Housings: 4 to 52 Cartridges  
Material: 304 & 316 SS  
Closure: Belly Band Clamp  
Connections: 2" NPT, 3, 4 and 6" Flanged  
Pressure Rating: 150 PSI  
Max Flow: 60 to 780 GPM<sup>3</sup>  
Filter Media: 30" x 2 5/8" Polymer Infused Spun Bound Polypropylene  
Cartridge Blends: Standard Oil & Grease, or Emulsion Busting

<sup>3</sup> When using the emulsion busting cartridge it is recommended to reduce the flow through the filter to 25% of rated. This is to increase contact time, which will more thoroughly bust the emulsion. Full flow rate is still possible, but reduced efficiency is possible.

- <sup>1</sup> Until the filter media becomes saturated with hydrocarbons.
- <sup>2</sup> Used in conjunction with the OX-P2 bag filter and dependent upon the amount of hydrocarbon being sent to the filters.



### Vigilant Marine Systems, LLC

170 N. Maple Street • Suite 104 • Corona, CA 92880

Tel: + 1 951-808-9940 • Fax: + 1 951-808-8530

email: [info@vigilantmarine.com](mailto:info@vigilantmarine.com) • [www.vigilantmarine.com](http://www.vigilantmarine.com)