

OIL-XORB Single Cartridge Filters

The OIL-XORB single 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 cartridge, or with our emulsion busting cartridge. They can stand alone; however, it is recommended that they be installed in a series arrangement with another cartridge unit. These units are small, compact and more economical than our multi-cartridge units. They are well suited for smaller vessels.



Uses:

OWS Effluent Polishing
Bilge Water Discharge
Deck Runoff
Ballast Water

Specifications:

Housing:	Single Cartridge
Material:	Polypropylene
Closure:	Screw Nut
Connections:	1" NPT
Pressure Rating:	100 PSI
Max Flow:	10" Unit 20 GPM, 20" Unit 40 GPM ³
Filter Media:	10" or 20" x 4.5" Polymer Infused Spun Bound Polypropylene
Cartridge Blends:	Standard Oil & Grease, or Emulsion Busting

³ 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 likely.

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 had 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 PPM¹ indicated on the overboard monitor. And the typical cost? Approximately 2.5 cents per gallon².

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



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