

FILTRATION OF DO/MGO



GREENOIL
STANDARD®

PERFORMANCE TO RELY ON

Today, an engine requires optimal cleanliness levels. With efficient particle filtration and water separation the GreenOil solution improves the vessel's fuel oil to the best possible quality. Thereby, protecting the fuel injection system from unnecessary breakdowns as well as ensuring ideal, safe and reliable operations. Not only does our solution fulfill engine manufacturer's specifications, but it comes with several green advantages, such as low power consumption, no oil spill nor sludge production. The cost efficient solution even has an average payback time of less than a year in most cases.

Our C-series systems can be placed in the fuel transfer system between the settling/bottom tank and the service/day tank or alternatively as an offline system in either tank used to recirculate oil. A GreenOil system can be offered either as a retrofit and a new build. The unit removes particles and water from oil and comprises of a pump and motor unit, a GreenOil filter and a built-in water separator. This results in clean oil ready for use. Even suitable for those applications with a sensitive fuel or high pressure system.

Clean Oil
Ready for Use

OUR FILTERS MAKES THE DIFFERENCE

The secret to quality oil filtration is sheep wool. The natural material is compressed into wheels of wool in different densities, these are then placed into a filter cannister, in which the oil is pressed through, thus filtrating the oil. The combination of wheels of different densities enables us to give you the best filtration for your vessel, so your oil is always clean and dry.

GreenOil filters are made from surplus wool, giving you a more sustainable option in your filtration solutions. Additionally due to the low energy consumption the GreenOil solution remains the most cost effective cleaning solution.

Advantages

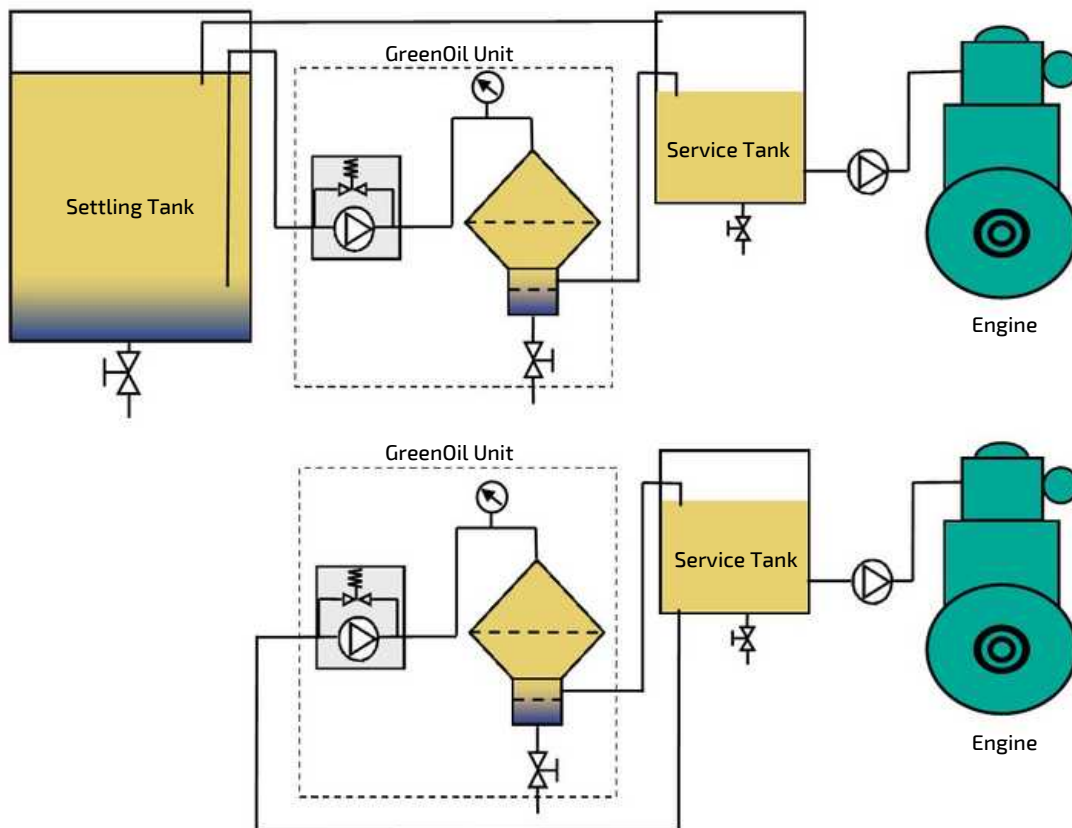
- Fully replace purifier/separator.
- Effortless and quick filter exchange without oil spill.
- No tools required for filter replacement.
- No physical contact with oil when replacing filter insert.
- Small footprint and improved oil quality
- Low operational costs



FITTING THE C-SERIES SYSTEM TO YOUR VESSEL

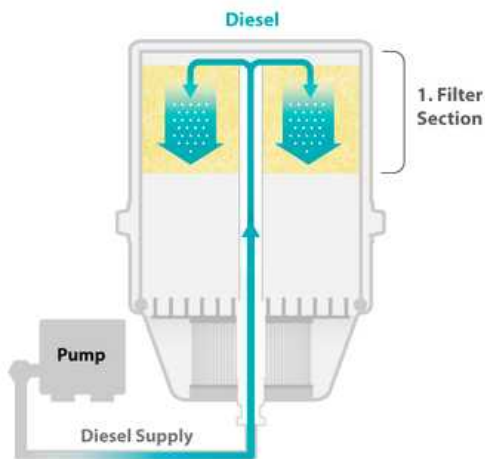


Pictured is the WP1-C2-2000 unit

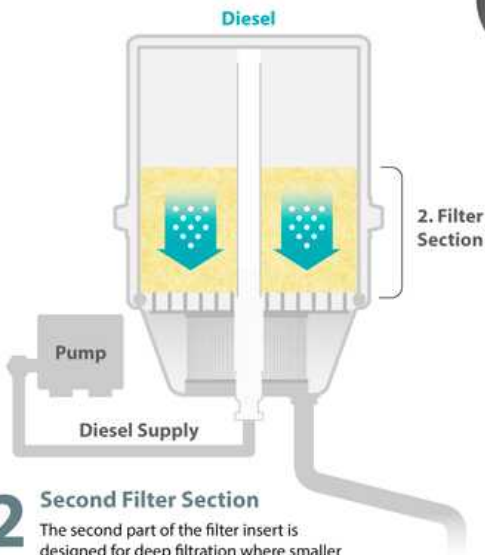


TECHNICAL DATA FOR MARINE DIESEL AND GAS OIL SYSTEMS

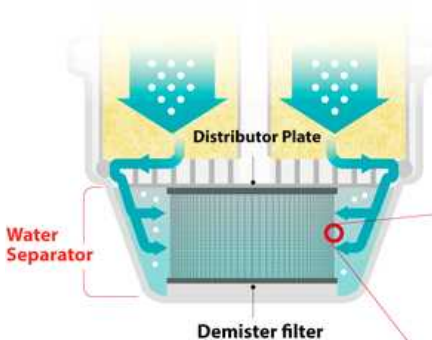
Technical Data	WP1-C1-125	WP1-C1-250	WP1-C2-500	WP1-C2-1000	WP1-C2-1500	WP1-C2-2000
Filtered Oil Flow (l/h)	125-150	250-300	500-600	1000-1200	1300-1560	2000-2400
Viscosity (cSt)	0-25	0-25	0-25	0-25	0-25	0-25
Power Supply (VAC-Hz)	1x230, 3x400/440 or 3x690- 50/60	1x230, 3x400/440 or 3x690- 50/60	1x230, 3x400/440 or 3x690- 50/60	1x230, 3x400/440 or 3x690- 50/60	3x440/440 or 3X690- 50/60	3x440/440 or 3X690- 50/60
Max. Power Consumption (W)	250	250	550	550	550	750
Dimensions H x W x D (mm)	440x425x 280	440x425x 280	775x635x 435	775x820x 435	775X1105X 435	605x1590x 640
Weight (kg)	26	26	47	78	85	92
Materials	AISI 304 Stainless	AISI 304 Stainless	AISI 304 Stainless	AISI 304 Stainless	AISI 304 Stainless	AISI 304 Stainless
Filter Cannister (liter)	1x8	1x8	1x8	2x8	3X8	4x8
Pressure and water alarm	Option - pressure only	Option - pressure only	Option	Option	Option	Option



- 1 First Filter Section**
The first part of the filter insert is designed to retain sludge and large particles. This section has a high dirt holding capacity and increases the lifetime and efficiency of the filter.



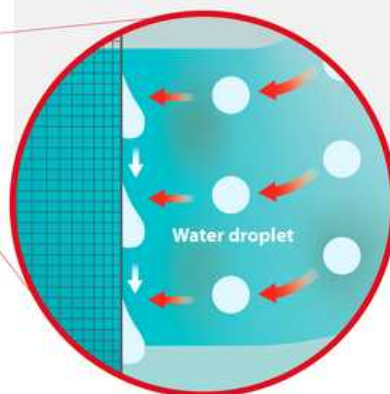
- 2 Second Filter Section**
The second part of the filter insert is designed for deep filtration where smaller particles are retained ensuring the best oil quality. Furthermore, this filter section coalesces the small water droplets which bind together creating sufficient density for treatment.



- 3 Water Separation**
The unique water separator is designed to demist any water contamination. The demister traps the water droplets permitting oil to pass and the water is then rejected to the water collection tank.

Water Separation Principle

Apart from oil pressure the principle operates without energy needs. The demister treats coalesced water droplets, then settles in the system's collecting tank and water is eventually drained and removed from the system.



- 4 Clean Oil Outlet**
Clean and water-free oil leaves the separation chamber at the oil outlet. State of the art technology ensures high quality treatment of oil performance. Practical results show cleanliness levels down to ISO 15/14/12 and water below 100 ppm.

TRIED AND TESTED BY THOSE WHO KNOW

"We are quite satisfied with the filters. We checked and we saw that the DO tank is clean, better than before, which means the filter is performing very good."

Technical Manager, Scot Tanker

"We decided to go for a filter solution from GreenOil because of simplicity, operational reliability and ease of use." "

Technical Manager, Wasaline





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