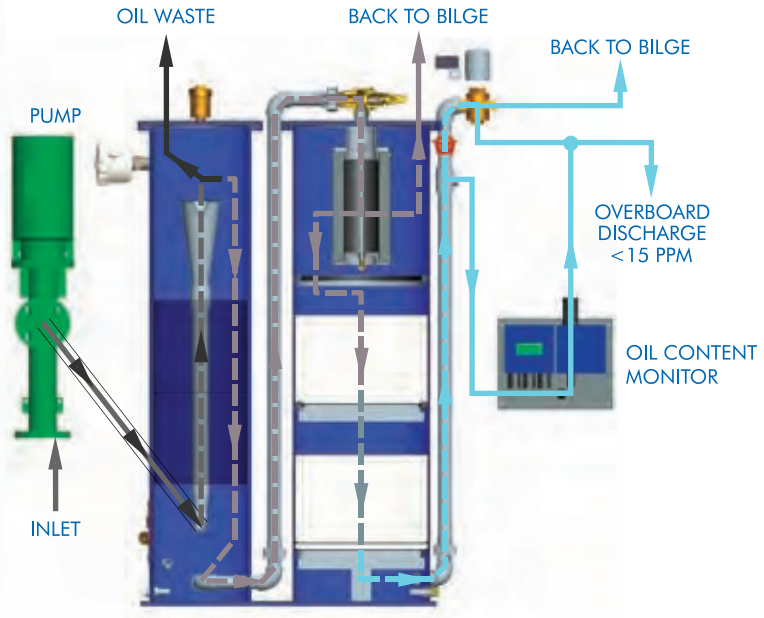
Oily Water Separator CS500 Lite

The Victor MiniSep™ - CS Lite Series is the latest addition to our range of Oily Water Separators (OWS). Specifically engineered to be lightweight for use on vessels where the weight of a standard OWS would be an issue i.e. fast attack craft.

This model, constructed from 5083 grade Aluminium, offers a 30% weight saving over the standard CS model and is designed to fit the smallest of engine rooms while still maintaining reliable and cost-effective operation for shipboard engineers.

The CS Lite can also be supplied with a range of certification and process options whereby our in-house engineering and testing facilities can advise customers on the appropriate solution for their particular requirements.

Separation Process



Using Victor Marine's 80 years of experience in providing solutions to bilge water treatment, the company has incorporated the latest technology to ensure that the oily water separator complies with IMO regulation MEPC 107(49) introduced in January 2005 and can maintain water overboard discharge at under 5ppm oil content, as proven during the IMO tests completed by Bureau Veritas.

To achieve this high quality separation, Victor Marine's CS Lite Series uses a three-stage separation process. This involves a hydrophobic high viscosity oil removal system (Hi-VOR system), an oleophilic coalescing filter element and an adsorption granular media polishing unit (AGM filtration). The AGM granular media has been refined and engineered to adsorb over 60% of its weight in oil contaminants (compared to approximately 15% in activated carbon), which increases the life of the consumables, minimising costs and maximising uptime.

A 15ppm oil content monitor, complete with diverter valve set is provided to ensure the quality of water meets the IMO regulations and avoids any illegal discharges overboard.

Without any high speed moving parts, delicate membranes and hazardous chemicals or cleaning cycles, the CS Lite Series is both easy to install and operate for both shipyards and ship operators.

Victor Marine maintains a worldwide network of agents providing customers with comprehensive after-sales services, for example, advice on installations, commissioning, technical support, servicing and spares.

CS Lite Series

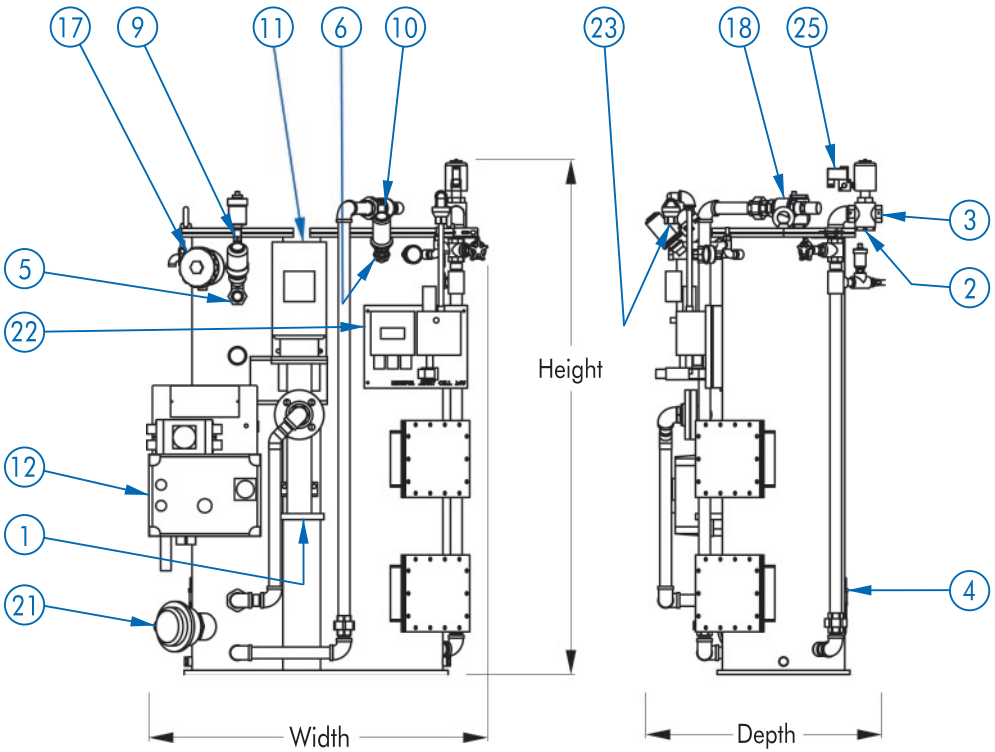
Victor MiniSep™ - Oily Water Separator (Aluminium)

victor marine

CS Lite Series Data

Model No.	Capacity		Dimensions (mm)				Weight (Kg)		Current Draw (Amps)	Primary Fluid Connections				Air Connections
	m³/day	US gal/hr	Width	Depth	Height	Access Area	Dry	Wet		Inlet Suction	Overboard Discharge	Back to Bilge	Recovered oil	
CS250	6	66	974	683	1474	1700	170	270	1.62	32mm PN16 Flange	1" bsp	1" bsp	1" bsp	1/4" bsp
CS500	12	132	974	683	1474	1700	170	270	1.62	32mm PN16 Flange	1" bsp	1" bsp	1" bsp	1/4" bsp

NOTE: A heater requires an additional 2.5 amps current draw.



1. INLET SUCTION CONNECTION
2. OVERBOARD DISCHARGE CONNECTION
3. BACK TO BILGE CONNECTION
4. PRESSURE RELIEF VALVE CONNECTION
5. RECOVERED OIL CONNECTION
6. BACK TO BILGE OILY WATER CONNECTION
9. AIR CONNECTION
10. AIR CONNECTION
11. SUCTION PUMP
12. DOL STARTER (ELECTRICAL CONNECTION)
17. OIL DETECTION PROBE
18. WATER VALVE
21. HEATER (OPTIONAL)
22. OIL CONTENT MONITOR
23. MONITOR SAMPLE CONNECTION
25. AIR CONNECTION

Operating Temperature

Minimum:	10°C (50°F)
Optimum:	30°C (86°F)
Maximum:	55°C (131°F)

Operating Pressure

Normal:	1.38 bar (20psi)
Maximum:	3.45 bar (50psi)

Air Supply

Required Pressure:	5-7 bar (75-100psi)

Pump Performance

Maximum Suction:	6 metres (20ft)
Maximum Discharge:	30 metres (98ft)

IMO Tested Parameters

Maximum Oil Flow:	100%
Maximum Oil Density:	0.989 s.g. @ 15°C
Maximum Oil Viscosity:	RMG 35
Maximum Emulsions:	3000 ppm

Type Approval & Certification

IMO MEPC 107(49):	BV, CCS & USCG

0062/YY

BUREAU VERITAS

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