



SkimOIL, Inc  
103 W. Weaver Street  
Carrboro, NC 27510  
(314) 579-9755  
Fax: (314) 558-9253  
www.skimoil.com

Marine and Industrial Solutions Since 1995

EMAIL: [contact@skimoil.com](mailto:contact@skimoil.com)

## **BRUTE MARINE OILY WATER SEPARATORS**

Marine and Industrial Oil Water Separators

**USCG/ABS/BV Certified to meet latest IMO/MEPC 107 (49) requirements**

BRUTE Marine Oil Water Separators (OWS) are rugged, tough, well built and easy-to-operate systems for separating oil from bilge water. The self monitoring BRUTE marine oily bilge water separators are shipped complete as systems with motor, pump, piping, valves, oil content monitor and controls and are ready to be easily installed and operated without delay.



Simple efficient design and high quality components make for easy, intuitive operation and reliability. Built to your specifications and requirements the BRUTE OWS is used across the world on ships, boats, oil platforms and rigs consistently outperforming international maritime discharge limits of <15 PPM oil.

We'll build it up the way you want it. We'll deliver on time and on spec. ASK US

The BRUTE oily water separators are the holy grail of bilge water treatment. All vessels over 400 Gross Tons (GT) are required to have one on board, and the regulations are filtering down now to the smaller boats. New and tighter regulations and controls are coming to the waters near you. An OWS is a mechanical device that uses the difference in gravity between oil and water to separate them from one another. These are USCG approved and certified to meet all the latest/greatest Int'l regulations governing oily water discharge. IMO/MEPC 107(49) is a very strict set of rules governing the handling and disposal of oily water.

**BRUTE Tough! Quality built in the USA. ISO 9001 Certified!**



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Specifications	2.2 GPM	5 GPM	11 GPM	25 GPM	45 GPM
Height (inch/cm)	50 (127)	56 (142)	69 (175)	72 (183)	75 (191)
Width (inch/cm)	27 (69)	28 (71)	36 (91)	41 (104)	54 (137)
Depth (inch/cm)	40 (102)	49 (124)	56 (142)	78 (198)	99 (252)
Dry Weight (lbs./kilogram)	450 (204)	725 (329)	1250 (568)	2610 (1184)	3550 (1610)
Wet Weight (lbs./kilogram)	630 (286)	1165 (528)	2220 (1007)	4950 (2245)	7870 (3570)
Capacity gpm/ M <sup>3</sup> /hr	2.2(0.5)	5 (1.1)	11(2.5)	25(5.7)	45(10.2)
Pipe connections In/Out	¾" – ¾"	1" – ¾"	1 ½" – 1"	1 ½" - 1 ½"	2" – 1 ½"

### ALL UNITS

Specifications	Value	Advantage
IMO MEPC Compliance	107(49)	Meets Latest Requirement
Expected Oil in Discharge Water(independent tests)	Less than 3.2 PPM	Far exceeds the required 15ppm Great for the environment
Emulsion Removal Method	High Capacity Filtration	Simpler/more trouble free than membranes
Expected Filtration Media Life	1 year	Extra long lasting without bypassing
Water Discharge Pressure	90Ft of Head	Designed for any situation
Oil Discharge Pressure	Makeup Water Pressure	Determined by makeup water
Oil Discharge Valve	Standard Check Valve	Optional MOV where Negative Head
Control System Type	Solid Circuit	Increased reliability – No PLC trouble
Control System Interface	6 dry contacts	Easy to interface with ship controls
Test PSIG	45	Quality Construction
Operating Temp Range	1-55 C	Generally not affected by temperature
Max Free Oil Concentration	35%	Large temporary slugs of oil up to 100%
Oil in Water Discharge with TPH	<15 ppm	Can be set to 1-15ppm
Single Phase Power Options	110/120vac 220vac	Any power option 1 phase
Three Phase Power Options	210/220vac 380/415vac 460/480vac 575/600vac	3 phase options to 600VAC
Frequency	50 or 60 Hz	Either frequency no problem
Max Amperage	3.3-7.7 amps	Recommend 15 amp circuit
Max Turbidity for Accurate TPH Reading	35 NTU standard	High Turbidity Options Available
Design Negative Inlet Head (Ft/M)	12 ft./ 3 M	High Lift 5 Meter Option Available
Level Sensor	Conductance	Highly Reliable- Trouble Free
Pump	Centrifugal w SS Housing	Highly Reliable - No emulsions created pump on the discharge side of separator
Coalescing Media	Polypropylene / HDPE	Excellent Coalescing - Very Efficient
Vessel Metallurgy	Carbon Steel	Marine Coated
Coating Specification	Epoxy/Urethane	Highest Quality Coating
Skid / Drip Pan	Standard without skid	Skid or Drip Pan Optional
Piping and Manual Valves	Bronze / Red Brass	Excellent

**NOTES:** 1- Custom designs are available to vary specifications including hazardous area options  
 2- Combinations of specs may have pricing implications



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