

BOSS SEPARATORS



Authorized Distributor:
Pacific Marine & Industrial
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IMO Certified Oil Water Separator



Five Standard Sizes Available

- **MODEL 2.2T/107:** 2.2 gpm (0.5m3/hr)
(For Ships 400-1600 GT)
- **MODEL 5T/107:** 5 gpm (1.1 m3/hr)
(For Ships 1600-4000 GT)
- **MODEL 11T/107:** 11 gpm (2.5 m3/hr)
(For Ships 4000-15000 GT)
- **MODEL 25T/107:** 25 gpm (5.7 m3/hr)
(For Ships 15000 GT+ & rigs)
- **MODEL 45T/107:** 45 gpm (10.2 m3/hr)
(For Rigs and Larger Ships)

Works Simply
and
Simply Works !

Stay in Compliance and Avoid Fines !

BOSS OWS

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Oil Water Separators - Specification Sheet 107(49)

Specifications	2.2 GPM	5 GPM	11 GPM	25 GPM	45 GPM
Height (inch/cm)	56 (142)	58 (147)	77 (195)	80 (203)	85 (216)
Width (inch/cm)	27 (69)	32(81)	37 (94)	47 (119)	56 (142)
Depth (inch/cm)	42 (106)	48 (121)	58 (147)	78 (198)	101 (257)
Dry Weight (lbs./kilogram)	480 (218)	775 (351)	1275 (578)	2475 (1123)	3875 (1758)
Wet Weight (lbs./kilogram)	660 (299)	1200 (544)	2225 (1009)	4695 (2130)	8580 (3892)
Capacity gpm/ M ³ /hr	2.2(0.5)	5 (1.1)	11(2.5)	25(5.7)	45(10.2)
Pipe connections In/Out	¾" – ½"	1" – ¾"	1" – ¾"	1 ½" – 1 ½"	2" – 1 ½"
Standard dimensions can vary with options chosen					

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 by independent test	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 Positive 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	1-50 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	Custom voltage options
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)	16 ft./ 5 M	Greater than 5 meter lift, consult factory
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	Stainless Steel	Excellent

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

Contact Information:



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