## **BOSS Oily Water Separators**

CERTIFIED to latest IMO MEPC 107(49)



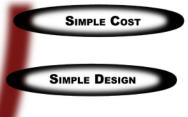
## **STANDARD 107 MODELS**

For Ships 4000-15000GT BOSS 11T/107(2.5 m3/hr)



For Ships 15000GT+ BOSS 25T/107(5.7 m3/hr) For Ships 1600-4000GT BOSS 5T/107(1.1 m3/hr) For Ships 400-1600GT BOSS 2.2T/107 (0.5 m3/hr)





SIMPLE INSTALLATION

SIMPLE OPERATION

SIMPLE MAINTENANCE

SIMPLE RELIABILITY

SIMPLE EFFICIENCY

SIMPLE FILTRATION

For Rigs & Large Ships BOSS 45T/107(10.2 m3/hr)

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## **BOSS** Oil Water Separators - Specification Sheet 107(49)

Specifications	2.2 GPM	5 GPM	11 GPM	25 GPM	45 GPM
Height (inch/cm)	57 (144)	59 (150)	77 (195)	78 (198)	85 (216)
Width (inch/cm)	27 (69)	31(79)	39 (99)	48 (122)	54 (137)
Depth (inch/cm)	40 (102)	48 (121)	58 (147)	80 (203)	100 (254)
Dry Weight (lbs./kilogram)	470 (213)	775 (351)	1325 (601)	2610 (1184)	3650 (1655)
Wet Weight (lbs./kilogram)	680 (308)	1265 (574)	2350 (1065)	4950 (2245)	7990 (3624)
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	$\frac{3}{4}'' - \frac{3}{4}''$	$1'' - \frac{3}{4}''$	$1 \frac{1}{2}" - 1"$	1 1/2" - 1 1/2"	$2"-1\frac{1}{2}"$

## **ALL UNITS**

Specifications	Value	Advantage	
IMO MEPC Compliance	107(49)	Meets Latest Requirement	
Expected Oil in Discharge	Less than 3.2 PPM	Far exceeds the required 15ppm	
Water(independent tests)	by independent test	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	1-55 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	Any power option 1 phase	
Single 1 huse 1 ower Options	220vac		
	210/220vac	3 phase options to 600VAC	
Three Phase Power Options	380/415vac		
	460/480vac		
	575/600vac		
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	
Ритр	Centrifugal w SS	Highly Reliable - No emulsions created	
-	Housing	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

**Contact Information:** 

