

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 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)	39 (99)	47 (119)	54 (137)
Depth (inch/cm)	42 (106)	48 (121)	58 (147)	78 (198)	100 (254)
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	1-55 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

Contact Information:

BOSS
SEPARATORS
info@recoveredenergy.com



IMO Certified Oil Water Separator

NOT MUCH SPACE?

For Yachts and other small vessels

BOSS 2.2T/107 Special configuration

- Extra Small Footprint
- Available in White AWL Grip
- Easy to Change Cartridges

Works Simply
and
Simply Works !



Stay in Compliance and Avoid Fines !

BOSS OWS
Yacht Sized

 **RECOVERED
ENERGY, INC.**
11455 N. Rio Vista Rd., Pocatello, ID 83202
1-208-637-0645 www.recoveredenergy.com

IMO 107(49) Certified Oil Water Bilge Filter For Low Flows

Advantages:

- Low Capital Cost
- Simple to Operate
- Minimal Maintenance
- Small Footprint
(Wall Mounted)

Works Simply
and
Simply Works !



Features:

- IMO Certified Oil Content Monitor with 18 month data logging
- Flow rate: 0.25-0.45 m³/hr (1-2 gpm)
- Electric Diaphragm pump at 50 psi
- Fine Solids and Oil Removal by Simple Filtration
- Large Capacity Oil Removal Filters
- Less than 5 PPM Oil Discharge

The Truly SIMPLE Alternative for Low Flow !

MINI BOSS

MiniBOSS Specifications

<i>Specifications</i>	<i>MiniBOSS</i>	<i>MiniBOSS-110</i>
Dimensions	30" wide x 40" high	34" wide x 40" high
Dry Weight (lbs / kg)	82 lbs / 37 Kg	83 lbs / 38 kg
Capacity	1 gpm (0.25 m3/hr)	2 gpm (0.45 m3/hr)
Depth (inch / mm)	10" / 254 mm	10" / 254 mm

IMO Certified Monitor	BilgMon 488 -IMO 107(49) certified w/ Data Logging	BilgMon 488 -IMO 107(49) certified w/ Data Logging
Cartridge Filter	2.5" x 20" sediment	2.5" x 20" sediment
Installation	Wall Mount	Wall Mount
Oil Removal Filters (2)	BOSS XP420 or OP420	BOSS XP420 or OP420
Test Pressure	55 psig (3.8 barg)	55 psig (3.8 barg)
Operating Pressure	Up to 50 psig (3.4 barg)	Up to 50 psig (3.4 barg)
Operating Temp Range (process water)	34-131 °F / 1-55 °C	34-131 °F / 1-55 °C
Power Requirement	24 VDC Standard	110/220VAC extra cost
Three Phase Power	Not available	Not available
Frequency	50 or 60 Hz	50 or 60 Hz
Max Amperage	8 amp breaker at 24VDC	2.5 Amp Breaker at 110V
Control Panel	NEMA 4X (IP68)	NEMA 4X (IP68)
Control Valves	Solenoid Type 3-Way	Two 2-way valves
Process Pump	Electric Diaphragm Displacement	Electric Diaphragm Displacement
Piping & Fittings	Stainless Steel pipe & fittings Poly tubing & fittings	Stainless Steel pipe & fittings Poly tubing & fittings

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BOSS Oily Water Separators

CERTIFIED
to latest
IMO MEPC 107(49)



HAZARDOUS AREA SYSTEMS

Class I Div II or Zone 2



ATEX Zone 1



Class I Div I or Zone 1



SIMPLE COST

SIMPLE DESIGN

SIMPLE INSTALLATION

SIMPLE OPERATION

SIMPLE MAINTENANCE

SIMPLE RELIABILITY

SIMPLE EFFICIENCY

SIMPLE FILTRATION

SIMPLE & SOLID