BOSS SEPARATORS

IMO Certified
Oil, Water & SOLIDS Separator

NOW ! Removes Solids AND Oil to < 5 PPM

Applications:

- Drilling Rigs
- Dredges
- Inland Water Boats
- Industrial Applications

Standard Sizes Available

- MODEL 11T/107-DP: 11 gpm (2.5 m3/hr)
- MODEL 25T/107-DP 25 gpm (5.7 m3/hr)
- MODEL 45T/107-DP 45 gpm (10 m3/hr)
- MODEL 70T/107-DP 70 gpm (16 m3/hr)
- MODEL 100T/107-DP 100 gpm (23 m3/hr)
- MODEL 210T/107-DP 210 gpm (48 m3/hr)

Works Simply and Simply Works !

Stay in Compliance and Avoid Fines !

BOSS DUAL PHASE OIL/SOLIDS SEPARATOR

RECOVERED ENERGY, INC.
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BOSS Oil Water Separators - Specification Sheet 107(49)

Specifications	*11GPM*	*25GPM*	*45 GPM*	*70 GPM*	*100 GPM*
Height (inch/cm)	87(221)	98 (249)	108(274)	116(295)	126(320)
Width (inch/cm)	72 (183)	86(218)	106(269)	132(335)	162(412)
Depth (inch/cm)	45 (114)	52(132)	65(165)	84(213)	96(244)
Capacity GPM/ M^3/hr	11 (2.5)	25 (5.7)	45 (10.2)	70 (16)	100 (23)
Standard dimensions can vary with options chosen					

ALL UNITS

Specifications	*Value*	*Comments*
IMO MEPC Compliance	107(49)	Meets Latest Requirement
Emulsion Removal Method	High Capacity Filtration	Simpler/more trouble free than membranes
Water Discharge Pressure	>80Ft of Head	Designed for most situations – Optional Pumps
Expected Oil Removal	< 75 micron particle size	Certified system that meets 107(49) requirements. 5 ppm Clean Design optional
Expected Solids Removal	99+% down to 25 micron particle size	Much finer particle size than clarifiers, skimmers or hydrocyclone systems
Solid Concentration	Can handle up to 30% solids for short periods	No other solids removal system can handle high concentrations of solids
Solids Blowdown Requirements	Clean Water Pressure	Solids Blow Down using Clean Water Pressure
Control System Type	Solid Circuit	
Control System Interface	dry contacts	Easy to interface with main control system
Oil Discharge Pressure	Makeup Water Pressure	Determined by makeup water
Oil Discharge Valve	Motor Operated Valve	Highly Reliable
Vessel/Piping Design Pressure (psig/barg)	75/5	Quality Construction
Operating Temp Range (process water)	1-55 C	Generally not affected by temperature
Max Free Oil Concentration	35%	Large temporary slugs of oil up to 100%
Single Phase Power Options	110 - 220vac	Any 1 phase power option
Three Phase Power Options	210 - 575vac	Any 3 phase power option to 575vac
Frequency	50 or 60 Hz	
Area Classification	NEMA 4X controls	Class I Div II optional
Control Valves	Electric Solenoid	Magnatrol - Proven Reliable Supply
Oil Level Control	Conductance	Guided wave optional
Process Pump(back side of separator)	Centrifugal w SS Housing	Highly Reliable - No emulsions created pump on the discharge side of separator
Max Turbidity for Accurate Oil Reading	35 NTU standard	High Turbidity Options Available
Suction Lift	16 ft./ 5 M	
Coalescing Media	Polypropylene / HDPE	Excellent Coalescing - Very Efficient
Secondary Coalescing	Double BOSSPACK	Greatly increases coalescence
Vessel Metallurgy	Carbon steel	1/8” corrosion allowance
External Protection	Epoxy / urethane	Skid is powder coated
Skid / Drip Pan	Standard with skid/Drip Pan	
Piping and Manual Valves	Stainless Steel	Excellent
Backwash of Organoclay	Electric Solenoid Valves	Automatic Backwash

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

Contact Information:

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