BRUTE Oily Water Separators

Netra Netra Netra National International Petra Netra Net

CERTIFIED to latest **IMO MEPC 107(49)**

SKINO ING.

STANDARD 107 MODELS

For Ships 4000-15000GT

BRUTE 11T/107(2.5 m3/hr)

For Ships 1600-4000GT BRUTE 5T/107(1.1 m3/hr)

For Ships 400-1600GT BRUTE 2.2T/107 (0.5 m3/hr)





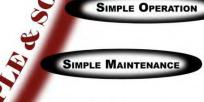
For Ships 15000GT+ BRUTE 25T/107(5.7 m3/hr)



SIMPLE INSTALLATION

SIMPLE COST

SIMPLE DESIGN



SIMPLE RELIABILITY



For Rigs & Large Ships

BRUTE 45T/107(10.2 m3/hr)

SIMPLE EFFICIENCY

SIMPLE FILTRATION

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/ M³/hr	2.2(0.5)	5 (1.1)	11(2.5)	25(5.7)	45(10.2)
Pipe connections In/Out	3/4" - 3/4"	1" - 3/4"	1 ½" – 1"	1 ½" - 1 ½"	2" – 1 ½"

ALL UNITS

Specifications IMO MEPC Compliance	Value	Advantage	
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	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 Ca	apacity Filtration	Simpler/more trouble free than membranes	
Expected Filtration Media Life	1 year	Extra long lasting without bypassing	
Water Discharge Pressure 90	Ft of Head	Designed for any situation	
Oil Discharge Pressure Makeup	Water Pressure	Determined by makeup water	
Oil Discharge Valve Standa	rd Check Valve	Optional MOV where Negative Head	
Control System Type S	olid Circuit	Increased reliability – No PLC trouble	
Control System Interface 6 d	Iry 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 1	10/120vac 220vac	Any power option 1 phase	
Three Phase Power Options 3	10/220vac 80/415vac 60/480vac 75/600vac	3 phase options to 600VAC	
Frequency 5	0 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 N	ITU standard	High Turbidity Options Available	
Design Negative Inlet Head (Ft/M)	2 ft./ 3 M	High Lift 5 Meter Option Available	
Level Sensor Co	onductance	Highly Reliable- Trouble Free	
	trifugal w SS Housing	Highly Reliable - No emulsions created pump on the discharge side of separator	
Coalescing Media Poly	oropylene / HDPE	Excellent Coalescing - Very Efficient	
Vessel Metallurgy Ca	arbon Steel	Marine Coated	
Coating Specification Epo	xy/Urethane	Highest Quality Coating	
Skid / Drip Pan Standa	ard without skid	Skid or Drip Pan Optional	
Piping and Manual Valves Bronz	e / 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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