

1 Technical Data

1.1 Separation System

Separator	MMB 305 S-11		
Application	Cleaning of lubricating and fuel oil used for marine and power diesel engines, with a maximum density of 991 kg/m ³ at 15 °C.		
Rated capacity	6000 l/hr		
Capacity and separation temperature, fuel oil	Viscosity	Capacity	Separation temp.
	cSt/40 °C	l/hr	°C
Marine diesel oil	13	3900	40
	cSt/40 °C	l/hr	°C
Distillate	1.5 – 5.5	4700	10 – 30
	cSt/40 °C	l/hr	°C
Gas turbine	1.5 – 5.5	3600	20 – 40
aero derivative	1.5 – 5.5	4800	20 – 40
heavy industrial	1.5 – 5.5		
Capacity and separation temperature, lube oil	Viscosity	Capacity	Separation temp.
	cSt/40 °C	l/hr	°C
Steam turbine	32 – 46	2500	55
	32 – 46	3900	70
		l/hr	°C
R&O type:			
cross head diesel engine		2100	85 – 90
Detergent:			
cross head diesel engine		1800	85 – 90
trunk piston diesel engine		1300	90 – 95
Compressed air	Pressure	650 – 800 kPa	
	Free from oil		
	Dry with dew point at least 10 °C below ambient temperature		

Sealing Water	Temperature	5 – 85 °C
	Maximum density	1000 kg/m ³
	Maximum hardness	180 ppm (CaCO ₃ 10 °dH)
	Minimum pH value	6
	Salinity	maximum 60 ppm chloride (equivalent to 100 ppm NaCl)

Maximum back pressure 250 kPa

1.2 Separator

		50 Hz	60 Hz
Speed	Drive motor	3000 rpm	3600 rpm
	Bowl spindle max.	9510 rpm	9510 rpm
	Gear ratio	130 : 41	106 : 41
Torque	Jp reduced to motor shaft	10.1 kg m ²	7 kg m ²

Miscellaneous	Starting time	1.2 – 2 minutes
	Stopping time with brake	2 – 5 minutes
	Maximum operating time without oil feed	480 minutes
	Sump lubrication oil	0.5 litre
	Motor power (min.)	3 kW
	Power consumption:	
	maximum at start up	4.3 kW
maximum operating	2.3 kW	

Bowl data Sludge and water space 1 litre

Shipping data

Weight	190 kg, net
	240 kg, gross
Volume	1.06 m ³

Manufacturing materials	Frame lower and upper	cast iron
	Frame hood	cast iron
	Bowl shell	stainless steel
	Other process parts	stainless steel, brass and cast iron.