

# Bilgewater Membrane Separator

BMS-350, BMS-500 BMS-1000, BMS-2000, and BMS-2500



## Bilge Water Treatment

Racor VMT's oily water separators meet the IMO Resolution MEPC 107(49). Racor VMT units are an advanced three-stage system optimizing the separation and removal of free and emulsified oils.

Heavy duty construction, corrosion resistant materials, permanent oil attractant media, quiet operation, automatic diversion valves and advanced Racor VMT membrane technology result in an easy to use, fully automated, high quality, affordable solution to meet your bilge water treatment needs.



Bilgewater Membrane Separator

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## Key Features:

- USCG Certified to meet IMO MEPC 107(49) regulations
- MEPC 107(49) certified oil content monitor included
- Advanced three-stage design for maximum oil separation
- Fully automated system
- Racor VMT membrane technology specifically designed for bilge water treatment
- System employs a

self-cleaning cycle for prolonged membrane service life

- Compact design minimizes storage space
- Positive shut-off solenoid valves for operational reliability



ENGINEERING YOUR SUCCESS.

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## General Specifications:

### Inlet Connection:

3/4" FNPT on models  
BMS350-1000

1-1/4" FNPT on models  
BMS2000 and BMS2500

### Treated Water Outlet:

3/4" FNPT on all models

### Oil Discharge:

3/4" FNPT on all models

### Clean Water Flush Inlet:

3/4" FNPT on all models  
maximum water pressure  
20 psi

Model #	Part Number	Power Volts/ phase/Hz	Dimensions inch/mm	Capacity GPM/m3/hr	Weight lbs/kg	Power requirements (Amps)
BMS-350	90-8670	110/1/60	L X W X H 33.5/851 x 34.5/876 x 50/1270	1.5/.35	485/220	19.7
	90-8671	220/1/60				10
	90-8672	220/3/60				10.3
	90-8673	440/3/60				2.5
	90-8674	230/1/50				10
	90-8675	380/3/50				5.5
BMS-500	90-8676	110/1/60	L X W X H 33.5/851 x 34.5/876 x 50/1270	2.2/.5	485/220	19.7
	90-8677	220/1/60				10
	90-8678	220/3/60				10.3
	90-8679	440/3/60				2.5
	90-8680	230/1/50				10
	90-8681	380/3/50				5.5
BMS-1000	90-8682	110/1/60	L X W X H 37/940 x 49.5/1257 x 58/1473	4.4/1	560/254	19.7
	90-8683	220/1/60				10
	90-8684	220/3/60				10.3
	90-8685	440/3/60				2.5
	90-8686	230/1/50				10
	90-8687	380/3/50				5.5
BMS-2000	90-8688	220/1/60	L X W X H 52.5/1333 x 63.5/1613 x 68/1727	8.8/2	1160/526	36.7
	90-8689	220/3/60				36
	90-8690	440/3/60				12
	90-8691	230/1/50				36
	90-8692	380/3/50				14.5
	BMS-2500	90-8693				220/1/60
90-8694		220/3/60	36			
90-8695		440/3/60	12			
90-8696		230/1/50	36			
90-8697		380/3/50	14.5			

\* Water production capacity may be slightly less than rated for all 50 Hz units.

## Spares and Consumables

Part No.	Description	Part No.	Description
33-3003	Membrane Element	20-0296	Relay level control 110 VAC/50-60
33-0057	Process filter 5 micron all models	70-5030	PLC preloaded with Code
90-5026	Media Fill Kit (model BMS-350 - 500)	85-0042	Cleaner 1 - 5 LB (Alkaline Type)
90-5028	Media Fill Kit (model BMS-1000)	85-0043	Cleaner 2 - 5 LB (Acid Type)
90-5029	Media Fill Kit ( models BMS-2000 & BMS-2500)	85-0044	Preservative - 5 LB
33-0082	Process filter & Membrane housing cover seal O-ring	85-0036	Cleaner 1 - 1 LB (Alkaline Type)
20-0029	Switch, 3-pos	85-0037	Cleaner 2 - 1 LB (Acid Type)
20-0028	Switch, 2-pos	85-0038	Preservative - 1 LB
20-3004	Light, Indicator, Green	70-5029	Process pump (boost pump) seal kit (models BMS-350 - 1000)
20-3006	Light, Indicator, Red	70-5044	Process pump (boost pump) seal kit (models BMS-2000 & BMS-2500)
20-0505	Light, Incandescent (110)		

### WARNING – USER RESPONSIBILITY

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