

## MEMBRANE BIO-REACTOR (MBR) REFERENCE LIST



Owner	Ship Yard / Ship Name / Hull Number	MBR Model	Mk No.	No.	Exp/Equipment delivery date	Installation Type	Complement	Capacity m <sup>3</sup> /Day	GO. Number	Market Sector
UK Navy	HMS Daring	MBR50N	1	2	March-03	Newbuild	235	100	91616	Military
UK Navy	HMS Dauntless	MBR50N	1	2	April-04	Newbuild	235	100	91617	Military
UK Navy	HMS Diamond	MBR50N	1	2	September-04	Newbuild	235	100	91618	Military
UK Navy	HMS Dragon	MBR50N	1	2	August-05	Newbuild	235	100	91738	Military
UK Navy	HMS Defender	MBR50N	1	2	September-05	Newbuild	235	100	91739	Military
UK Navy	HMS Duncan	MBR50N	1	2	April-06	Newbuild	235	100	91740	Military
UK Navy	HMS Queen Elizabeth	MBR200N	3	3	August-09	Newbuild	1450	324	95727	Military
UK Navy	HMS Prince of Wales	MBR200N	3	3	April-10	Newbuild	1450	324	95728	Military
Princess Cruises	Star Princess	MBR320C	1	3	January-02	Conversion	4400	960	91641/2 & 91984	Cruise
Princess Cruises	Diamond Princess	MBR320C	1	3	December-02	Conversion	4400	960	91791	Cruise
Princess Cruises	Sapphire Princess	MBR320C	1	3	December-03	Conversion	4400	960	91813/4/5	Cruise
Princess Cruises	Coral Princess	MBR320C	1	2	September-02	Conversion	3500	640	91684/5	Cruise
Princess Cruises	Island Princess	MBR320C	1	2	July-02	Conversion	3500	640	91757/8	Cruise
Princess Cruises	Dawn Princess	MBR240C	1	3	May-03	Conversion	2920	720	91639/40 & 91985	Cruise
Princess Cruises	Sun Princess	MBR240C	1	3	May-03	Conversion	2920	720	91637/8 & 91986	Cruise
Princess Cruises	Pacific Princess	MBR160R	1	2	May-03	Replacement	1150	320	92039/40	Cruise
P&O (Aust)	Pacific Dawn	MBR160R	1	1	October-03	Conversion	2419	400	92354	Cruise
Pullmantur	Atlantic Star	MBR240R	1	2	January-04	Replacement	2200	480	92482	Cruise
Princess Cruises	Grand Princess	MBR320C	1	2	May-05	Conversion	4160	640	93266/7	Cruise
Princess Cruises	Golden Princess	MBR320C	3	3	July-06	Conversion	4160	960	94063	Cruise
Princess Cruises	Pacific Sun	MBR6	2	1	June-08	Replacement	TBA	TBA	95716	Cruise
Princess Cruises	Sea Princess	MBR12	2	2	January-09	Conversion	3150	454	96413	Cruise
P&O	Adonia	MBR6	2	2	March-10	Conversion	1150	201	96891	Cruise
P&O (Aust)	Pacific Pearl	MBR240	2	1	August-04	Replacement	2000	240	92844	Cruise
P&O (Aust)	Pacific Jewel	MBR12	2	1	September-09	Replacement	3010	225	96844	Cruise
Cunard	Queen Victoria	MBR320N	3	2	January-05	Newbuild	2200	620	93105	Cruise
Cunard	Queen Elizabeth / H6187	MBR320N	3	2	February-09	Newbuild	3472	640	95805	Cruise
Aida Cruises	Meyer Werft S659 - Aida Diva	MBR600N	3	2	February-06	Newbuild	3134	1200	93382	Cruise
Aida Cruises	Meyer Werft S666 - Aida Bella	MBR600N	3	2	September-06	Newbuild	3134	1200	93384	Cruise
Aida Cruises	Meyer Werft S660 - Aida Luna	MBR600N	3	2	October-07	Newbuild	3134	1200	93383	Cruise
Aida Cruises	Meyer Werft S680 - Aida Blu	MBR600N	3	2	June-08	Newbuild	3134	1200	95626	Cruise
Aida Cruises	Meyer Werft S689 - Aida Sol	MBR600N	3	2	April-09	Newbuild	3134	1200	95428	Cruise
Aida Cruises	Meyer Werft S690 - Aida Mar	MBR30	3	2	January-11	Newbuild	3134	1200	95627	Cruise
DCL	Meyerwerft - H687 - Disney Dream	MBR32	3	2	February-10	Newbuild	5600	1729	95628	Cruise
DCL	Meyerwerft - H688 - Disney Fantasy	MBR32	3	2	May-11	Newbuild	5600	1729	95629	Cruise
DCL	Marghera H5990	MBR24	3	2	April-10	Conversion	3700	1200	95715	Cruise
DCL	Marghera H5989	MBR24	3	2	May-09	Conversion	3700	1200	95714	Cruise
Celebrity Cruises	Century	MBR480R	3	2	October-05	Replacement	2600	960	93639	Cruise
Caspian Drilling Co	Dada Gorgud	MBR40	2	1	May-06	Replacement	120	40	93927	Offshore
Caspian Drilling Co	Dada Istiglal	MBR2	2	1	May-08	Replacement	120	9	95430	Offshore
Yachts Of Seabourn	Seabourn Odyssey	MBR140	2	2	October-08	Newbuild	800	280	94848	Cruise
Yachts Of Seabourn	Seabourn Sojourn	MBR140	2	2	March-09	Newbuild	800	280	94849	Cruise
Yachts Of Seabourn	MAR 064	MBR140	2	2	April-09	Newbuild	800	280	95600	Cruise
Floatel International	Keppel Fels - B302	MBR3	3	2	October-08	Newbuild	500	100	95802	Offshore
HAL	Eurodam / H6149	MBR360N	3	2	August-06	Newbuild	2800	720	93978	Cruise
British Coloumbia Ferries	BC Ferry	MBR40	2	1	April-07	Newbuild	600	15	94548	Ferry
Prosafe Offshore	Safe Astoria	MBR4	3	1	February-08	Replacement	250	82	95400	Offshore
HAL	Nieuw Amsterdam / H6181	MBR360N	3	2	July-08	Newbuild	2800	720	95592	Cruise
Radisson	Seven Seas Mariner	MBR240R	1	2	April-03	Replacement	1200	480	91933	Cruise

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Kusch Yachts	Hull 681 130m Mega Yacht	ST10(V) / MPU	2	2	May-05	Newbuild	120	17	93261	Cruise
DFDS	Pearl Seaways	MBR3	2	1	July-11	Replacement	1900 / 2400	60	97254	Ferry
Aida Cruises	Aida 7	MBR 30	3	2	December-11	Newbuild	3134	940	97192	Cruise
Princess Cruises	Royal Princess H6223	MBR24	3	2	September-11	Newbuild	5600	1150	97245	Cruise
Princess Cruises	H6224	MBR24	3	2	September-12	Newbuild	5600	1150	97246	Cruise
Princess Cruises	H6231	MBR24	3	2	March-13	Newbuild	5600	1050	97702	Cruise
Princess Cruises	Grand Princess	MBR16	3	2	March-12	Conversion	4200	609	97578	Cruise
AP Moller - Maersk A/S	Maersk Explorer	MBR2	2	1	January-13	Replacement	120	9	97817	Offshore
UK Navy	HMS Ocean	MBR12	3	1	May-13	Replacement	1100	302	97822	Military
Aida Cruises	Hyperion 1	MBR24	3	2	July-13	Newbuild	5100	1428	97740	Cruise
Aida Cruises	Hyperion 2	MBR24	3	2	February-14	Newbuild	5100	1428	97741	Cruise
UK Navy	Type 23 - Vessel 1	MBR4	2	1	January-17	Replacement	235	60	97841	Military
UK Navy	Type 23 - Vessel 2	MBR4	2	1	January-18	Replacement	235	60	97842	Military
UK Navy	Type 23 - Vessel 3	MBR4	2	1	January-19	Replacement	235	60	97843	Military
UK Navy	Type 23 - Vessel 4	MBR4	2	1	January-20	Replacement	235	60	97844	Military
UK Navy	H7044	miniMBR6	N/A	1	September-14	Newbuild	109	20	97965	Military
UK Navy	H7045	miniMBR6	N/A	1	March-15	Newbuild	109	20	97966	Military
UK Navy	H7046	miniMBR6	N/A	1	September-15	Newbuild	109	20	97967	Military
UK Navy	H7047	miniMBR6	N/A	1	March-16	Newbuild	109	20	97968	Military
Princess Cruises	Crown Princess	MBR16	3	3	December-13	Conversion	4620	947	98009	Cruise
Holland America Line	H6241	MBR16	3	2	April-14	Newbuild	4173	474	98147	Cruise
Private Yacht	MAR131	MBR4	2	2	June-14	Newbuild	420	100	98271	Cruise
Princess Cruise Lines Ltd	Ruby Princess	MBR16	3	3	December-14	Conversion	4600	815	98491	Cruise
Cunard	Queen Mary 2	MBR16	3	2	December-14	Conversion	4300	808	98553	Cruise
Princess	6232	MBR24	3	2	May-15	Newbuild	5600	1150	98712	Cruise
Seabourn	6251	MBR8	3	2	May-15	Newbuild	900	271	98713	Cruise
UK Navy	HMS Sultan	MBR2	3	1	March-16	Training Rig	N/A	N/A	98714	Military
MSC Cruises	6256	MBR24	3	2	April-16	Newbuild	6592	1978	98734	Cruise
MSC Cruises	6257	MBR24	3	2	November-16	Newbuild	6592	1978	98735	Cruise
Star Cruises	Megastar Taurus	MBR6	2	1	September-15	Replacement	170	38	98816	Cruise
Seabourn	6258	MBR8	3	2	November-16	Newbuild	900	271	98817	Cruise
Residensea	The World	MBR8	2	1	March-16	Replacement	500	148	98873	Cruise
Princess Cruises	Grand Princess	MBR16	3	1	June-16	Conversion	N/A	N/A	98894	Cruise
Holland America Line	H6244	MBR 16	3	2	February-17	Newbuild	4173	474	98985	Cruise
Princess Cruises	H6268	MBR24	3	2	February-17	Newbuild	5600	1150	98986	Cruise
Princess Cruises	H6275	MBR24	3	2	TBC	Newbuild	5600	1150	98987	Cruise
Saga Cruises Ltd	NB714	Wet & Dry Waste	3	2	January-18	Newbuild	1600	409	99011	Cruise
Saga Cruise Ltd	NB715	Wet & Dry Waste	3	2	January-19	Newbuild	1600	409	99012	Cruise
Stena	IceMAX	MBR 4	3	1	May-17	Replacement	180	60	99047	Offshore