

## Alternate Management Systems Accepted by the U.S. Coast Guard – 15 November 2013

Manufacturer	System Name	Accepted Models	Acceptance Date	AMS Identification No.	Accepted for Use in		
					Freshwater <sup>1</sup>	Brackish Water <sup>2</sup>	Marine Water <sup>3</sup>
Alfa Laval Tumba AB - Sweden	PureBallast	Models 250 to 2500 with associated filters	15-Apr-13	AMS-2013-AlfaLaval-PureBallast-001		X	X
Alfa Laval Tumba AB - Sweden	PureBallast	Models 2.0 and 2.0Ex with associated filters	15-Apr-13	AMS-2013-AlfaLaval-PureBallast-002		X	X
DESMI Ocean Guard A/S - Denmark	OxyClean	Models OxyClean 75, -100, -200, -300, -400, -500, -600, -700, -800, -900, -1000, -1200, -1300, -1400, -1500, -1600, -1700, -1800, -1900, -2000, -2100, -2200, -2300, -2400, -2500, -2600, -2700, -2800, -2900, and -3000, with associated filters	11-Oct-13	AMS-2013-DESMI-OxyClean-001	X	X	X
Ecochlor Inc. - USA	Ecochlor	Series 75, 100, 150, 200, 250, and 300, with filter models BS-050 to BS-1200	15-Apr-13	AMS-2013-Ecochlor-001		X	X
ERMA FIRST ESK Engineering Solutions SA - Greece	ERMA FIRST	Models BWTS 50, -100, -200, -300, -400, -500, -600, -700, -800, -900, -1000, -1100, -1200, -1300, -1400, -1500, -1600, -1700, -1800, -1900, -2000, -2100, -2200, -2300, -2400, -2500, -2600, -2700, -2800, -2900, and -3000, with associated filters	11-Oct-13	AMS-2013-ERMA FIRST BWTS-001		X	X
GEA Westfalia Separator Group, GmbH. – Germany	BallastMaster	Ultra V 250 and associated filter	11-Nov-13	AMS-2013-GEA Westfalia BallastMaster-001		X	X
Headway Marine Technology Co., Ltd. – China	OceanGuard™	OceanGuard BWTS, with filters HMT-100F to -400F	15-Apr-13	AMS-2013-Headway-OceanGuard-001		X	X
Headway Marine Technology Co. Ltd. – China	OceanGuard™	Models HMT-50, -100, -200, -300, -450, -600, -800, -1000, -1200, -1500, -2000, -2500, and -3000	23-Sep-13	AMS-2013-Headway-OceanGuard-002		X	X
		Associated Filter Units HMT-100F, -200F, 300F, -500F, -600F, -800F, -1000F, -1500F, -2000F, -3000F, -4000F, and -5000F					
		Associated EUT units HMT-50E, HMT-100E, -200E, -300E, -450E, -600E, -800E, -1000E, -1200E, -1500E, -2000E, -2500E, and -3000E					

Notes:

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Hyde Marine, Inc. – USA	Guardian	Models HG-60, -100, -150, -200, -250, -300, -350, -400, -450, -500, -600, -700, -800, -900, -1000, -1250, -1350, -1400, -1488, -1600, -2000, -2500, -2975, -4000, -5000, and -6000, with alternative filters SF50, SF70, and SF90	15-Apr-13	AMS-2013-Hyde-Guardian-001		X	X
Hyundai Heavy Industries – Korea	HiBallast	Models HiB-75, -150, -225, -300A, -300B, -500, -600, -900, -1000, -1200, -1200, -1500, and -2000, with associated filters	24-Jun-13	AMS-2013-Hyundai-HiBallast-001		X	X
Hyundai Heavy Industries – Korea	HiBallast-EX	Models HiB-75-Ex, -150-Ex, -225-Ex, -300A-Ex, -300B-Ex, -500-Ex, -600-Ex, -900-Ex, -1000-Ex, -1200-Ex, -1500-Ex, and -2000-Ex, with associated filters	24-Jun-13	AMS-2013-Hyundai-HiBallast-EX-001		X	X
JFE Engineering Corp. – Japan	Ballast Ace	JFE BallastAce 4500 with Treatment Rated Capacity from 17.5 to 4,500 m <sup>3</sup> /h, with associated filters	15-Oct-13	AMS-2013-JFE BallastAce BWTS-001		X	X
Jiangsu Nanji Machinery Company, Ltd. -- China	NiBallast	Models NB-200, NB-300, NB-400, NB-500, NB-600, NB-800, NB-1000, and NB-1500, with associated filters	15-Nov-13	AMS-2013-Jiangsu Nanji NiBallast-001	X	X	X
Kururay Co., Ltd – Japan	MICROFADE	MF-125, -250, -375, -500, -625, -750, -1000, -1250, -1500, -1750, -2000, -2250, -2500, -2750, -3000, -3250, -3500, -3750, and -4000, with associated filters	28 Oct-13	AMS-2013- Kuraray MICROFADE-001		X	X
MMC Green Technology AS – Norway	MMC BWTS	Models 150 and 300, with associated filters	29-Aug-13	AMS-2013-MMC-BWMS-001		X	X
NK Company, Ltd – Korea	BlueBallast	Models NK-O3-010, -015, -030, -040, -050, -075, -100, -150, -200, -250, -300, and -400	15-Apr-13	AMS-2013-NKO3-BlueBallast-001		X	X

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OceanSaver AS – Norway	OceanSaver MK II	MK II models C2E-S200/5/13, C2E-S405/5/13, C2E-S610/5/13, C2E-S815/5/13, C2E-S1020/5/13, C2E-M1220/5(S)/13, C2E-M1425/5(S)/13, C2E-M1630/5(S)/13, C2E-M1835/5(S)/13, C2E-M2040/5(S)/13, C2E-M2245/5(S)/13, C2E-L2445/5(S)/13, C2E-L2650/5(S)/13, C2E-L2855/5(S)/13, C2E-L3060/5(S)/13, C2E-L3265/5(S)/13, C2E-L3465/5(S)/13, C2E-L3670/5(S)/13, C2E-L3875/5(S)/13, C2E-L4080/5(S)/13, C2E-S230/5(S)/17, C2E-S460/5(S)/17, C2E-S690/5(S)/17, C2E-S920/5(S)/17, C2E-S1150/5(S)/17, C2E-M1385/5(S)/17, C2E-M1615/5(S)/17, C2E-M1845/5(S)/17, C2E-M2075/5(S)/17, C2E-M2305/5(S)/17, C2E-M2535/5(S)/17, C2E-L2765/5(S)/17, C2E-L3000/5(S)/17, C2E-L3230/5(S)/17, C2E-L3460/5(S)/17, C2E-L3690/5(S)/17, C2E-L3920/5(S)/17, C2E-L4150/5(S)/17, C2E-L4385/5(S)/17, and C2E-L4615/5(S)/17, with associated filters	23-Sep-13	AMS-2013-OceanSaver MK II-001		X	X
Optimarin AS – Norway	Optimarin Ballast System	Optimarin Ballast System and filter modules Micro-Kill BSF Filter, Filtrex ACB Filter, and Micro-Kill Boll Filter Selfclean	18-Jun-13	AMS-2013-Optimarin Ballast System-001		X	X
Panasia Co., Ltd. – Korea	GloEn-Patrol	Models P-50, -150, -250, -300, -350, -500, -700, -750, -800, -900, -1000, -1200, -1500, -2000, -2500, -3000, -3500, -4000, -4500, -5000, and -6000, with associated filters	29-Apr-13	AMS-2013-PANASIA-GloEn-Patrol-001		X	X
RWO GmbH Marine Water Technology, Veolia Water Solutions and Technologies – Germany	CleanBallast	CleanBallast® Models 150, -200, -250, -300, -350, -400, -450, -500, -500-1, -750, -1000, -1250, -1500, -1750, -2000, -2250, -2500, -2750, -3000, -3250, -3500, and -3750 and modular configurations	15-Apr-13	AMS-2013-RWO-CleanBallast-001		X	X

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SAMKUN CENTURY Company, Ltd. – Korea	ARA PLASMA	ARA-017, -028, -039, -063, -092, -126, -150, -190, -230, -250, and -300, with associated filters	29-Oct-13	AMS-2013-SAMKUN ARA PLASMA-001		X	X
Samsung Heavy Industries Company, Ltd. – Korea	Purimar	Models SP-25, SP-25(Ex), SP-50, SP-50(Ex), SP-75, SP-75(Ex), SP-100, SP-100(Ex), SP-150, SP-150(Ex), SP-200, SP-200(Ex), SP-250, SP-250(Ex), SP-300, SP-300(Ex), SP-350, SP-350(Ex), SP-400, SP-400(Ex), SP-450, SP-450(Ex), SP-500, SP-500(Ex) SP-600, SP-600(Ex), SP-650, and SP-650(Ex), with associated filters	4-Oct-13	AMS-2013-Purimar BWTS-001		X	X
Severn Trent De Nora, LLC-USA	BalPure	Models BP-500, -675, -1000, -2000, -2650, -3000, -4000, and -5000, with associated filters	15-Apr-13	AMS-2013-STDN-BalPure-001		X	X
SunRui Marine Environmental Engineering Company – China	BalClor	Models BC-300, -500, -1000, -1500, -2000, -2500, -3000, -3500, -4000, -5000, -6000, and -7000, with associated filters	1-May-13	AMS-2013-SunRui-BalClor-001		X	X
Techcross, Inc. – Korea	Electro-Cleen	Models ECS-150B, Ex-ECS-150B, ECS-300A, Ex-ECS-300A, ECS-300B, Ex-ECS-300B, ECS-450B, Ex-ECS-450B, ECS-600A, Ex-ECS-600A, ECS-600B, Ex-ECS-600B, ECS-1000A, ECS-1000B, and Ex-ECS-1000B	4-Oct-13	AMS-2013-Electro-Cleen BWTS-001		X	X

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Wartsila Water Systems Ltd. – England	Aquarius UV	AQ-50-UV, -80-UV, -125-UV, -180-UV, -250-UV, -300-UV, -375-UV, -430-UV, -500-UV, -550-UV, -750-UV, -850-UV, and -1000-UV, with capacities up to 6000 m <sup>3</sup> /h achieved by using multiple units in parallel	28-Oct-13	AMS-2013-AQUARIUS UV -001	X	X	X
		Associated filter models BS-025H-03, -050H-04, -050H-06, -070H-06, -100H-08, -100H-T-08, -150H-10, -150H-T-10, -200H-12, -200H-T-12, -300H-14, -300H-T-14, and -400SH-14					
Wuxi Brightsky Electronic Company, Ltd. – China	BSKY	Models BSKY100, -150, -200, -250, -300, -350, -400, -450, -500, -600, -700, -800, -900, -1000, -1100, -1200, -1300, -1400, -1500, -2000, -3000, -4000, -5000, and -6000, with associated filters	4-Oct-13	AMS-2013-BSKY BWTS-001		X	X

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