

Merchant Marine Circular

Panama Maritime Authority
General Directorate of Merchant Marine
Control and Compliance Department

MERCHANT MARINE CIRCULAR MMC-362

- To:** Ship-owners/Operators, Company Security Officers, Legal Representatives of Panamanian Flagged Vessels, Panamanian Merchant Marine Consulates and Recognized Organizations (ROs).
- Subject:** List of accepted Companies with type approval Certificate of Ballast Water Management System.
- Reference:**
- a) Law No.41 of 12 September 2016 adopting International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004;
 - b) Resolution MEPC.174 (58) adopted on 10 October 2008 (**only as recommendation**)
 - c) Resolution MEPC.279 (70) adopted on 28 October 2016 (**only as recommendation**)
 - d) Merchant Marine Circular 345

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1. The purpose of this Merchant Marine Circular is to inform the list of Companies with Type Approval Certificate of Ballast Water Management System, accepted by this Administration following the requirements and specifications according to the Guidelines contained in IMO resolution MEPC.174 (58) or MEPC.279 (70) as applicable, are as follows:
 2. The companies with type approval Certificate of Ballast Water Management System that are not listed and wish to be approved by the Panama Maritime Authority, may apply by sending a written request to:

General Directorate of Merchant Marine
Panama Maritime Authority
PanCanal Plaza Building, Albrook
P.O. Box 0843-0533
Balboa, Ancon

rberrocal@segumar.com or deputychief@segumar.com

Phone: +507 501-5348 / 5350

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Received Date	Manufacturer	Models Approved	Process	Treatment Rated Capacity	Certificate Issued
Oct. 2017	TEHCROSS INC. (KOREA)	Electro-Clean System (ECS 150B m ³ /h, ECS 300B m ³ /h, ECS 450B m ³ /h, ECS 600B m ³ /h, ECS 1000B m ³ /h, EX-ECS 150B m ³ /h, EX-ECS 300B m ³ /h, EX-ECS 450B m ³ /h, EX-ECS 600B m ³ /h, EX-ECS1000B m ³ /h)	Electrolysis / Electro chlorination or T-strainer chlorination	150 m ³ /h ~ 6000 m ³ /h	October 24, 2017
Dec. 2017	ERMA FIRST ESK ENGINEERING SOLUTIONS S.A. (GREECE)	ERMA FIRST BWMTS FIT300 / FIT 400 /FIT 600/ FIT1000 / FIT 1500 /FIT 2000 FILTERS BWMTS 500/800/1000 (Cyclones)	Filtration + Electro chlorination	50 m ³ /h ~ 3000 m ³ /h	December 11, 2017
Apr. 2018	SAMKUN CENTURY CO.,LTD.	ARA PLASMA BWTS (ARA-011, ARA-017, ARA-028, ARA-039, ARA-063, ARA-092, ARA-126 & ARA-150)	Filter + Plasma + MPUV	100 m ³ /h ~ 1300 m ³ /h	April 26, 2018
June 2019	HANLA IMS CO.,LTD.	Eco Guardian™ System (EG0130, EG0130-Ex, EG0250, EG0250-Ex, EG0350, EG0350-Ex, EG0500, EG0500-Ex, EG0800, EG0800-Ex, EG1000, EG1000-Ex, EG1500, EG1500-Ex, EG2000, EG2000-Ex, EG2060, EG2060-Ex, EG3000, EG3000-Ex, EG4000, EG4000-Ex, EG6000, EG6000-Ex)	Filter + Electrolysis	130 m ³ /h ~ 6000 m ³ /h	June 25, 2019
February 2021	THAO LINH DEVELOPMENT MARITIME TECHNOLOGY COMPANY LIMITED	TLC-BWM 50W, 100W, 150W, 200W, 250W, 400W, 500W TLC-BWM 50W-Ex, 100W-Ex, 150W-Ex, 200W-Ex, 250W-Ex,	Filtration + UV Disinfection	50 m ³ /h ~ 500 m ³ /h	February 2021



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		400W-Ex, 500W-Ex TLC-BWM 50U, 100U, 150U, 200U, 250U, 400U, 500U TLC-BWM 50U-Ex, 100U- Ex, 150U-Ex, 200U-Ex, 250U-Ex, 400U-Ex, 500U- Ex			
August 2023	DESMI OCEAN GUARD A/S	CompactClean35; CompactClean55; CompactClean85; CompactClean135; CompactClean 190; CompactClean 250; CompactClean 340; CompactClean 500; CompactClean 750; CompactClean 1000; CompactClean 1500; CompactClean 2000; CompactClean 2500; CompactClean 3000	Mechanical filtration + Ultraviolet disinfection	35 m ³ /h ~ 3000 m ³ /h	October 24, 2023

- All requirements to obtain the Recognition Certificate for the Ballast Water Management System (BWMS) through a legal representative located in Panama can be found in the **MMC-345**.

January, 2024 – References were updated

October 2019 – Add to Type Approval List: SAMKUN CENTURY CO.,LTD., HANLA IMS Co., Ltd

August 2018-Techcross amendment (process)

Inquiries concerning the subject of this Merchant Marine Circular or any other request should be forward to:

SEGUMAR Panama
General Directorate of Merchant Marine
Panama Maritime Authority



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E-mail: rberrocal@segumar.com / deputychief@segumar.com

Website: <https://panamashipregistry.com/circulars/>

PanCanal Building
Albrook, Panama City
Republic of Panama

 Panama Ship Registry
 @ShipPanama

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