



Ecochlor® Ballast Water Treatment System

薬剤処理初の USCG 型式承認 を申請



Marine Safety Center BWMS Type Approval Status



Approved						
Date Received	Manufacturer (Country)	Model	Independent Lab	System Type	Approved Range	Certificate Issued*
20 Sep 2016	Optimarin (Norway)	OBS/OBS Ex	DNV GL	Filtration + UV	167 – 3000 m ³ /h	02 Dec 2016
21 Sep 2016	Alfa Laval (Sweden)	Pure Ballast 3	DNV GL	Filtration + UV	150 – 3000 m ³ /h	23 Dec 2016
23 Sep 2016	OceanSaver AS (Norway)	MK II	DNV GL	Filtration + Electrodialysis	200 – 7200 m ³ /h	23 Dec 2016
24 Jan 2017	Sunrui (China)	BalClor	DNV GL	Filtration + Electrolysis	170 – 8500 m ³ /h	07 Jun 2017

Under Review						
Date Received	Manufacturer (Country)	Model	Independent Lab	System Type	Approved Range	Certificate Issued
31 Mar 2017	Ecochlor, Inc. (USA)	Ecochlor BWTS	DNV GL	Filtration + Chemical Injection	500-16,200 m ³ /h	Pending
02 May 2017	Erma First	Erma First FIT	Lloyds Register	Electrolysis + Filtration	100-3000 m ³ /h	Pending

*Complete copies of the Coast Guard Type Approval Certificates can be found on the Coast Guard HOMEPORT website under the “Environmental” Missions Tab or by visiting the USCG Approved Equipment List at: <http://cgmix.uscg.mil/Equipment/Default.aspx>

Ecochlor BWTS は他の水処理技術とは異なり、水の塩分、温度、濁度、有機物または塩分濃度の変動によって損なわれず、バラスト水の排出時に中和など再処理する必要はありません。

二酸化塩素発生器の価格はバラスト水処理量に大きく依存しません。結果として、Ecochlor BWTS は大量のバラスト水処理において、他の処理システムよりもはるかに経済的で実用的です。

型式承認



IMO G9 Active Substance Approver



IMO Type Approved BSH Germany



IMO Type Approved Liberian Ship Registry



IMO Type Approved Cyprus Ship Registry



Type Approved ABS



Type Approved Lloyds Register



US EPA FIFRA Registered VGP High Quality Data Device



Type Approved ClassNK



Type Approved Bureau Veritas



USCG STEP and AMS Approved



US State Reviews: CA, NJ, NY, MD, VA WA



Russian Maritime Register of Shipping Type Approval