



# EC Type Examination Certificate

## Notified Body 2843

This is to certify that ABS ITALY S.R.L. did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

ITEM NUMBER: MED/2.1

IMPLEMENTING REGULATIONS (EU) 2024/1975

CERTIFICATE NUMBER: 04-464039-6-EC

MANUFACTURER: COMPASS WATER SOLUTIONS, Inc.

MANUFACTURER'S LOCATION: Tustin, California, USA

AUTHORIZED REPRESENTATIVE: Marship Engineering

PRODUCT DESIGNATION: Oil-filtering equipment (for an oil content of the effluent not exceeding 15 p.p.m.)  
Ultra-Sep Bilge Water Separator US 250, US 500, US 1000 (Standard, Modular, Series C, Series G); US 2000, US 3000, US 5000, US 7500 & US 10000 (Standard, Modular)

STANDARDS AND REGULATIONS: European Union Marine Equipment Directive 2014/90/EU referencing testing requirement of implementing regulations (EU) 2024/1975.  
MARPOL 73/78 Annex I, Reg. 14  
IMO MEPC.1/Circ. 643  
IMO Resolution MEPC.107(49), as amended

THIS CERTIFICATE IS ISSUED IN COMPLIANCE WITH CONFORMITY ASSESSMENT **MODULE B** OF THE REGULATIONS AND DIRECTIVES LISTED

ISSUE DATE: 20-sep-2024

EXPIRATION DATE: 19-sep-2029

ELECTRONICALLY  
SIGNED BY: E. Brina

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Should the specified regulations or standards be amended during the period of validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on the market and on board vessels to which the amended regulations or standards apply.

The "Mark of Conformity" may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

The attached document schedule forms part of this Certificate.

This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.

**Entry Date:** 20-sep-2024

**Name of Equipment  
Manufacturer:**

COMPASS WATER SOLUTIONS, Inc.  
105542 Mosher Ave.  
92780 Tustin (CA)  
USA

**Tel:** +1 (949) 222-5777  
**Email:** [truong@compasswater.com](mailto:truong@compasswater.com)  
**Website:** [www.compasswater.com](http://www.compasswater.com)

**Authorised Representative**

Marship Engineering  
Westerkade 10, 3016 CL Rotterdam,  
The Netherlands  
Tel. +31 (0) 10 436-3188

**Equipment/Component:**

Oil-filtering equipment (for an oil content of the effluent not exceeding 15 p.p.m.)

**Model:**

Ultra-Sep Bilge Water Separator US 250, US 500, US 1000 (Standard, Modular, Series C, Series G); US 2000, US 3000, US 5000, US 7500 & US 10000 (Standard, Modular)

**Description:**

Bilge Separator in accordance with IMO Resolution MEPC. 107(49), as amended, consisting of control unit, separating and coalescing system within a common shell with pump and motor, process filter and Spirolator membranes.  
The Modular systems (available for all sizes) are identical in process and components to the standard systems just engineered in modules to allow for ease of installation when required due to spacing constraints.  
The Series C (Compact Unit, available for sizes 250-500-1000 only) is identical in the overall 15ppm Separator process with its components and piping re-arranged to create a more compact system.  
The Series G (1 Pump Design, available for sizes 250-500-1000 only) maintains the overall core of the 15ppm Separator process by relocating and increasing the capacity of the system's Process to allow removal of the system's feed pump along with updating the compact control system.

**Intended Service:**

For processing oily mixtures containing emulsified bilge water to produce an effluent with oil content not exceeding 15 parts per millions (PPM) by separating free and emulsified oils.

**Ratings:**

Model/capacity:  
US 250 - 0.25 m3/hr,  
US 500 - 0.5 m3/hr,  
US 1000 - 1.0 m3/hr,  
US 2000 - 2 m3/hr,  
US 3000 - 3 m3/hr,  
US 5000 - 5 m3/hr,  
US 7500 - 7.5 m3/hr,  
US 10000 - 10 m3/hr.

**Standards:**

European Union Marine Equipment Directive 2014/90/EU referencing testing requirement of implementing regulations (EU) 2024/1975.  
 MARPOL 73/78 Annex I, Reg. 14  
 IMO MEPC.1/Circ. 643  
 IMO Resolution MEPC.107(49), as amended

**Service Restrictions/Limitations:**

The capacity of each pump connected to the system is not to exceed the maximum throughput of the separating module. If fitted on vessels of 10,000 gross tonnage or more (except as specified in Paragraph 2, Regulation 14 of Revised Annex I) the equipment is to be fitted with an alarm and an arrangement to automatic stop the discharge when 15 ppm cannot be maintained.

**Comments:**

Should the specified regulations or standards be amended during the validity of this certificate, the products are to be re-approved prior to being placed on board vessels to which the amended regulations or standards apply.

This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the Notified Body named on this certificate.

A Manufacturer's Declaration of Conformity shall be compiled and distributed in line with the requirements of Directive 2014/90/EU Article 16.

The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

**Revisions:**

**Certificate N°.** 04-464039-6-EC, **replaces Certificate N°.** 04-464039-5-EC **Dated:** 08-jul-2020

**Drawing Schedule:**

Drawing No	Description
24-0040453-PDA	ABS Product Design Assessment Certificate
TS-P00322	Test Report Package "Summation certificate" (including scheme)
USMN1000-G Rev F	Installation, Operation and Maintenance Manual Bilge Water Separators Ultra-Sep US1000-G
USMN1000-C Rev 6.0	Installation, Operation and Maintenance Manual Bilge Water Separators Ultra-Sep US1000-C
USMN5000 Rev 6.2	Installation, Operation and Maintenance Manual Bilge Water Separators Ultra-Sep 5000
USMN5000-MD Rev 6.0	Installation, Operation and Maintenance Manual Bilge Water Separators Ultra-Sep 5000-MD
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