



Marine & Offshore

Certificate number: 61370/A0 BV

File number: .

Product code: 8104I

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

DAMSA

PLOUGASTEL-DAOULAS - FRANCE

for the type of product

OIL FILTERING (5PPM) EQUIPMENT

OWE DMS 5000

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

MARPOL 73/78 as amended, Annex I, Regulation 14 amended by MEPC.265(68)

IMO Res. MEPC.107(49) amended by MEPC.285(70)

IMO MEPC.1/Circ.643

FOR information only

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 27 Apr 2026

For Bureau Veritas Marine & Offshore,

At BV SAINT-NAZAIRE, on 27 Apr 2021

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

Oily Water Evaporator (OWE) DMS 5000

1.1 Design

The Oily Water Evaporator (OWE) DMS 5000 is designed to remove heavy fuel oils, diesels and oily emulsions in the ship's bilges.

The OWE DMS 5000 uses a two stage separation process with a decantation, followed by a vacuum distillation.

The systems consists of three compartments for the decantation and a water generator.

1.2 Specifications as described by the manufacturer

Model	Max. flowrate (m ³ /h)	Supply pump capacity (m ³ /h)	Width x Depth x Height (mm)	Operating Pressure (bar)
OWE DMS 5000	0.25	0.345	2280 x 800 x 1900	0.2 - 6

1.3 Material Specifications

Part	Material
Retention tanks (decantation)	S235

1.4 Software V1.0

When other choices of materials are used per manufacturer's recommendations, the BV agreement is to be obtained.

4. APPLICATION / LIMITATION

4.1 - Operating media: Oil / water. Approved as an oil filtering equipment designed to produce an effluent with oil content not exceeding 5 ppm. The equipment is to be fitted with an approved oil content meter limited to maximum 5 ppm discharge (alarm set at 5 ppm with automatic stop)

4.2 - When additional class notations CLEANSHIP, CLEANSHIP SUPER and OWS-5 ppm according to Pt A, Ch 5, Sec 7 of the Society's Rules is assigned to any ship, onboard surveys required in Pt B, Ch 9, Sec 4 of the Society's Rules are to be complied with.

4.3 - The equipment is suitable for installation in non-hazardous area, not explosion proof.

For information only

4.4 - The installation on board is to be carried out in compliance with manufacturer's instruction and the Society's Rules and Regulations stated on the front page of this certificate. The installation requirements on board ships will have to comply with the regulation 6.1 of MEPC.107(49).

4.5 - A copy of the certificate of type approval for oil filtering equipment (15 ppm equipment) shall be carried aboard a ship fitted with this equipment at all times in addition to this certificate for 5ppm.

4.6 - Each equipment is to be supplied with its manual for installation, use and maintenance.

*** END OF CERTIFICATE ***

For information only