

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB000013H

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Inert gas systems components

with type designation(s)

Moss Inert Gas Generator System

Issued to

Wärtsilä Moss AS

Moss, Norway

is found to comply with the requirements in the following Regulations/Standards:

Annex A.1, item No. A.1/3.42 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2/4, IMO Res. A.567 (14), IMO MSC/Circ. 353, 387, 485, 731 & 1120 and FSS Code 15

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-08-24**.

Issued at **Høvik** on **2016-08-25**

DNV GL local station:

Sandefjord

Approval Engineer:

Kristian Hammer

Notified Body

No.: **0575**

for **DNV GL AS**

Vidar Dolonen

Head of Notified Body

Places of production

Wärtsilä Moss AS
PO Box 1053
NO-1510
Moss
Norway

Wärtsilä Suzhou Ltd.
77 Hongxi Road
Suzhou New District
Suzhou 215151
P.R. China

Product description

The equipment is intended for installation onboard ships for the purpose of producing inert gas.

Application/Limitation

<u>Equipment</u>	<u>Model</u>	<u>Nom. Capacity m3/hr</u>
Burner/Scrubber	500-7	400-600
	900-9	650-1500
	2000-11,5	1501-2400
	3000-13	2401-3400
	4/5000-15	3401-5600
	7000-18	5601-8300
	10000-20	8301-11600
	13000-23	11601-14600
	18000-25	14601-20000
	3000-11	Upto 5000
Deck Water Seal	6000-14	5001-8600
	10000-16	8601-13600
	15000-19	13601-18600
	20000-21	18601-23000
	25000-24	23001-30000

The equipment is not permitted to be installed in spaces subject to explosion hazards.
Hamworthy Moss AS is responsible for the design and construction of the inert gas equipment.
Each unit is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Tests carried out

Functional testing as per IMO MSC/Circ. 282, as amended by MSC/Circ. 353 and 387, performed at manufacturers' location.

Marking of product

For traceability to this type approval, each unit is to be marked with;
-Manufacturer's name or trade mark
-Type designation
-Serial No.
-Mark of conformity (see below)

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.
Module E: The quality system for inspection and testing shall be approved by the Notified Body.
Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

This certificate replaces previous EC Type Examination Certificate No. MED-B-7857.