

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 Directorate. 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)
Inert Gas Generator, Model No.; KGG-500

Issued to
Kashiwa Co., Ltd., Tsukuba Works
Bando Ibaraki Pref., Japan

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

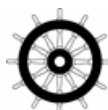
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-06-15**.

Issued at **Høvik** on **2016-06-16**

DNV GL local station:
Yokohama

Approval Engineer:
Ole Henrik Kverndal Pedersen



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

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>
Inert Gas Generator	KGG-500	3001 ~ 4500

The equipment is not permitted to be installed in spaces subject to explosion hazards.
Kashiwa Co. Ltd. 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.
DNV Witness Report No. HIR-05-1400, dated 2005-11-29.

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.



Job Id: **344.1-003070-2**
Certificate No: **MEDB000019C**

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-6928.