Certificate number: 62110/B0 BV
File number: ACI5000/042/001
Product code: 5590H

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

VIKING LIFE-SAVING EQUIPMENT A/S

Esbjerg - DENMARK

for the type of product

Portable fire-fighting device for stacked containers

HydroPen System

Requirements:
SOLAS 74, as amended, Chapter II-2 Regulation 10.7.3
Bureau Veritas Rules for the Classification of Steel ships Part F, Chapter 11, Section 30

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 Jan 2031

For Bureau Veritas Marine & Offshore,
At BV FREDERICIA, on 27 Jan 2026,
Jesper JENSEN

This certificate was created electronically and is valid without signature

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 :

HydroPen System

Combined penetration and firefighting device, designed for penetration of a steel structure and spraying water mist inside an enclosed space (container, ...).

When connected to a fire main line, the system will start the penetration process and once inside the enclosed space automatically change to firefighting mode.

HydroPen materials	Stationary part - Gunmetal Rotating part - Stainless Steel Nozzle Ring/Bushing – Aluminum Alloy
Weight	6 kg
Nominal Capacity	360 L/min at 4 bar
Nominal working pressure	4 bar
Max working pressure	12 bar
Nominal Water throw	12.7 m at 4 bar
Overall length	Retracted: 210 mm Extracted: 237 mm

2. DOCUMENTS AND DRAWINGS :

As per Manufacturer's document "User Guide" version 1.04 dated 14/10/2020.

3. TEST REPORTS :

3.1 - Attestation n° 00479FRC20 REV1 dated 09/10/2020 issued by BV.

3.2 - Annoted test program stamped by BV surveyor dated 14/09/2020.

4. APPLICATION / LIMITATION :

4.1 - The **HydroPen System** shall be tested after installation onboard.

4.2 - The **HydroPen System** should be operated and maintained according to **VIKING LIFE-SAVING EQUIPMENT A/S** manual.

4.3 - Reaction forces of the HydroPen System are to be taken into account for the fitting onboard the ship.

4.4 - The performance of the portable fire-fighting devices for stacked containers is to be demonstrated by an operational test onboard the ship.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The HydroPen System are to be supplied by **VIKING LIFE-SAVING EQUIPMENT A/S** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **VIKING LIFE-SAVING EQUIPMENT A/S** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - All systems are to be subjected to a hydrostatic test at ambient temperature and not less than 1.5 time the maximum working pressure.

5.5 - For information, **VIKING LIFE-SAVING EQUIPMENT A/S** has declared to Bureau Veritas the following production site(s):

Prodan A/S
Tåsingevej 1
8940 Randers

6. MARKING OF PRODUCT :

The product or packing is to be marked with Manufacturer name, type and designation.

7. OTHERS :

7.1 - It is **VIKING LIFE-SAVING EQUIPMENT A/S**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This Certificate supersedes the Type Approval Certificate N°62110/A1 BV issued on 12/08/2021 by the Society.

***** END OF CERTIFICATE *****