EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00008XB

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

that the Portable fire-extinguishing equipment for lifeboats and rescue boats

with type designation(s)
Presto Fire Extinguishers for lifeboats and rescue boats: CO2, 2 kg

issued to
Presto AB
Katrineholm, **Sweden**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2023/1667,**
item No. MED/3.38. SOLAS 74, Regulation III/4, III/34 & X/3, IMO Res. A.951(23), LSA Code I,V,IV and 2000 HSC Code 8

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

This Certificate is valid until **2029-06-13**.

Issued at **Høvik** on **2024-06-14**

DNV local unit:
Finland CMC

Approval Engineer:
Helge Bjørnarå

Notified Body
No.: **0575**

for **DNV AS**

Mydlak-Röder, Christine
Head of Notified Body

NORWEGIAN ACCREDITATION PROD 019

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-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

"Presto Fire Extinguishers for lifeboats and rescue boats: CO_2, 2 kg",
fire extinguishers with designation as per table below.

For further details, see drawings listed under Type Examination documentation below.

Application/Limitation

Table 1: Carbon dioxide type extinguishers

Type	Charge volume	Temperature Range [°C]	Fire rating	Main drawing	Test reports
K2	2 kg	-30 to +60	34B	PR30048	EN10748; EN11340; 20180941-PR84; 20200100-PR93; EN 10748-1; EN 12322; 20220927-PR115; 20230696-PR126
K2S	2 kg	-30 to +60	34B	PR30035	249862; 271839; 271839 (V2); 297362; 20151725-PR55; 20170798-PR64; 20170798-PR65; 20180941-PR84; 20190618-PR90; 20200100-PR93;

Extinguishers of size less than 9 L foam, 5 kg CO_2 or 5 kg powder may only be used when accepted by the flag.

The portable extinguisher shall be of a size in accordance with FSS Code, Ch.4, except that smaller extinguishers may be used for lifeboats and rescue boats if their combined capacity equals or exceeds the requirements of that Code.

Each product is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Drawing No. PR30048 Rev. A00 dated 27 November 2019 from manufacturer.
Test report No. EN10748 dated 26 February 2010 from Apragaz, Brussel, Belgium.
Test report No. EN11340 dated 30 August 2013 from Apragaz, Brussel, Belgium.
Test report No. 20180941-PR84 dated 12 October 2018 from MPA Dresden, Freiberg, Germany.
Test report No. 20200100-PR93 dated 17 April 2020 from MPA Dresden, Freiberg, Germany.
Test report No. EN 10748-1 dated 18 March 2021 from Apragaz, Brussel, Belgium.
Test report No. EN 12322 dated 7 February 2022 from Apragaz, Brussel, Belgium.
Test report No. 20230696-PR126 dated 3 July 2023 from MPA Dresden, Freiberg, Germany.
Test report No. 20220927-PR115 dated 25 October 2022 from MPA Dresden, Freiberg, Germany.

Drawing No. PR30035 Rev. A00 dated 20 January 2009 from manufacturer.
Test report No. 249862 dated 25 November 2008 from BRE Global, Watford, UK.
Test report No. 271839 dated 22 July 2011 from BRE Global, Watford, UK.
Test report No. 271839 (V2) dated 7 November 2011 from BRE Global, Watford, UK.
Test report No. 297362 dated 17 July 2014 from BRE Global, Watford, UK.
Test report No. 20151725-PR55 dated 29 February 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20170798-PR64 dated 18 August 2017 from MPA Dresden, Freiberg, Germany.
Test report No. 20170798-PR65 dated 18 August 2017 from MPA Dresden, Freiberg, Germany.
Test report No. 20180941-PR84 dated 12 October 2018 from MPA Dresden, Freiberg, Germany.
Test report No. 20190618-PR90 dated 9 April 2020 from MPA Dresden, Freiberg, Germany.
Test report No. 20200100-PR93 dated 17 April 2020 from MPA Dresden, Freiberg, Germany.

Tests carried out

Tested according to EN 3-7 and EN 3-9.

Marking of product

The product is to be marked with name and address of manufacturer, type designation and the MED Mark of Conformity (see first page) and to be in accordance with EN 3-9, Ch.8.