EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00008X2

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 extinguishers

with type designation(s)
Presto fire extinguishers: Powder, 6 – 12 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/3.2. SOLAS 74 as amended, Regulation II-2/4, II-2/10, II-2/18, II-2/19, II-2/20 & X/3, IMO Res. A.951(23), 2000 HSC Code 7, FSS Code 4, IGF Code 11, IMO MSC.1/Circ.1239 and IMO MSC.1/Circ.1275

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: Powder, 6 – 12 kg",
fire extinguishers with designation as per table below.

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

Application/Limitation

Table 1: Powder type extinguishers

Type	Charge volume	Temperature Range [°C]	Fire rating	Main drawing	Test reports
P6GS	6 kg	-30 to +60	43A, 233B	PR30024	EN10152; EN10608/09/10; EN10989; EN11128; 2013-F-1637-PR12; 20140196-PR25; 20140794-PR; 20151728-PR47; 20151727-PR59; 20171459-PR69; 20200100-PR91; 20211033-PR95
PG6 / PG6R	6 kg	-30 to +60	55A, 233B	PR30041	EN10107; EN10608/09/10; 2010-F-5200-03; 20140794-PR39; 20141636-PR46; 20151728-PR47; 20151727-PR59; 20170390-PR61; 20171459-PR69; 20200100-PR91; 20211033-PR95
PG9 / P9GS	9 kg	-30 to +60	55A, 233B	PR30039	EN10108; EN10608/10; EN10991; 2013-F-1637-PR13; 20140196-PR26; 20151728-PR47; 20151727-PR59; 20171459-PR69; 20200100-PR91; 20211033-PR95
PG12 / PG12R / P12GS / P12GSR	12 kg	-30 to +60	55A, 233B	PR30025	EN10224; EN10283; EN10608/09/10; EN10992; EN11241; 2013-F-1637-PR14; 20140196-PR27; 20140794-PR; 20151728-PR47; 20151727-PR59; 20171459-PR69; 20200100-PR91; 20211033-PR95
P12 / P12R	12 kg	-30 to +60	233B	PR30102	EN10153; EN10153-1; 20140794-PR; 20151728-PR47; 20151722-PR49; 20151727-PR59; 20200100-PR91; 20211033-PR95, 20220927-PR109,
P12M	12 kg	-30 to +60	Class D*	PR30044	EN10689; EN 10689-1; 20151728-PR47; 20171459-PR69; 20200100-PR91; 20211033-PR95, MPA 20220927-PR110,

* Fire test not part of this certificate, i.e., not covered by EN 3-7.

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.

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

Type Examination documentation

Drawing No. PR30024 Rev. A00 dated 20 January 2009 from manufacturer.
Test report No. EN10152 dated 19 October 2006 from Apragaz, Brussel, Belgium.
Test report No. EN10608/09/10 dated 3 July 2009 from Apragaz, Brussel, Belgium.
Test report No. EN10989 dated 14 June 2011 from Apragaz, Brussel, Belgium.
Test report No. EN11128 dated 27 March 2012 from Apragaz, Brussel, Belgium.
Test report No. 2013-F-1637-PR12 dated 26 June 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20140196-PR25 dated 5 February 2014 from MPA Dresden, Freiberg, Germany.
Test report No. 20140794-PR dated 27 October 2014 from MPA Dresden, Freiberg, Germany.
Test report No. 20151728-PR47 dated 8 February 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20151727-PR59 dated 13 October 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20171459-PR69 dated 12 January 2018 from MPA Dresden, Freiberg, Germany.
Test report No. 20200100-PR91 dated 17 April 2020 from MPA Dresden, Freiberg, Germany.
Test report No. 20211033-PR95 dated 5 November 2021 from MPA Dresden, Freiberg, Germany.

Drawing No. PR30041 Rev. A00 dated 20 January 2009 from manufacturer.
Test report No. EN10107 dated 11 March 2013 from Apragaz, Brussel, Belgium.
Test report No. EN10608/09/10 dated 11 March 2013 from Apragaz, Brussel, Belgium.
Test report No. 2010-F-5200-03 dated 26 June 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20140794-PR39 dated 26 June 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20141636-PR46 dated 26 June 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20151728-PR47 dated 26 June 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20151727-PR59 dated 26 June 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20170390-PR61 dated 26 June 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20171459-PR69 dated 26 June 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20200100-PR91 dated 26 June 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20211033-PR95 dated 26 June 2013 from MPA Dresden, Freiberg, Germany.

Drawing No. PR30039 Rev. A00 dated 20 January 2009 from manufacturer.
Test report No. EN10108 dated 3 January 2006 from Apragaz, Brussel, Belgium.

Test report No. EN10608/10 dated 3 July 2009 from Apragaz, Brussel, Belgium.
Test report No. EN10991 dated 14 June 2011 from Apragaz, Brussel, Belgium.
Test report No. 2013-F-1637-PR13 dated 30 July 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20140196-PR26 dated 5 February 2014 from MPA Dresden, Freiberg, Germany.
Test report No. 20151728-PR47 dated 8 February 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20151727-PR59 dated 13 October 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20171459-PR69 dated 12 January 2018 from MPA Dresden, Freiberg, Germany.
Test report No. 20200100-PR91 dated 17 April 2020 from MPA Dresden, Freiberg, Germany.
Test report No. 20211033-PR95 dated 5 November 2021 from MPA Dresden, Freiberg, Germany.

Drawing No. PR30025 Rev. A00 dated 20 January 2009 from manufacturer.
Test report No. EN10224 dated 3 January 2006 from Apragaz, Brussel, Belgium.
Test report No. EN10283 dated 19 October 2006 from Apragaz, Brussel, Belgium.
Test report No. EN10608/09/10 dated 3 July 2009 from Apragaz, Brussel, Belgium.
Test report No. EN10992 dated 14 June 2011 from Apragaz, Brussel, Belgium.
Test report No. EN11241 dated 28 February 2013 from Apragaz, Brussel, Belgium.
Test report No. 2013-F-1637-PR14 dated 30 July 2013 from MPA Dresden, Freiberg, Germany.
Test report No. 20140196-PR27 dated 5 February 2014 from MPA Dresden, Freiberg, Germany.
Test report No. 20140794-PR dated 27 October 2014 from MPA Dresden, Freiberg, Germany.
Test report No. 20151728-PR47 dated 8 February 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20151727-PR59 dated 13 October 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20171459-PR69 dated 12 January 2018 from MPA Dresden, Freiberg, Germany.
Test report No. 20200100-PR91 dated 17 April 2020 from MPA Dresden, Freiberg, Germany.
Test report No. 20211033-PR95 dated 5 November 2021 from MPA Dresden, Freiberg, Germany.

Drawing No. PR30102 Rev. A00 dated 27 November 2019 from manufacturer.
Test report No. EN10153 dated 9 February 2006 from Apragaz, Brussel, Belgium.
Test report No. EN10153-1 dated 14 June 2011 from Apragaz, Brussel, Belgium.
Test report No. 20140794-PR dated 27 October 2014 from MPA Dresden, Freiberg, Germany.
Test report No. 20151728-PR47 dated 8 February 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20151722-PR49 dated 26 February 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20151727-PR59 dated 13 October 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20200100-PR91 dated 17 April 2020 from MPA Dresden, Freiberg, Germany.
Test report No. 20211033-PR95 dated 5 November 2021 from MPA Dresden, Freiberg, Germany.
Test report No. 20220927-PR109 dated 25 October 2022 from MPA Dresden, Freiberg, Germany.

Drawing No. PR30044 Rev. A00 dated 27 November 2019 from manufacturer.
Test report No. EN10689 dated 29 June 2010 from Apragaz, Brussel, Belgium.
Test report No. EN 10689-1 dated 14 June 2011 from Apragaz, Brussel, Belgium.
Test report No. 20151728-PR47 dated 8 February 2016 from MPA Dresden, Freiberg, Germany.
Test report No. 20171459-PR69 dated 12 January 2018 from MPA Dresden, Freiberg, Germany.
Test report No. 20200100-PR91 dated 17 April 2020 from MPA Dresden, Freiberg, Germany.
Test report No. 20211033-PR95 dated 5 November 2021 from MPA Dresden, Freiberg, Germany.
Test report No. 20220927-PR110 dated 25 October 2022 from MPA Dresden, Freiberg, Germany.

Alternative Brand names, Annex 1-6 (2 pages per annex) dated 15 September 2023 from manufacturer.

Tests carried out

Tested according to EN 3-7 and EN 3-8.

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 3-7, Ch.16.