

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 GL 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

Issued to

Presto Brandsäkerhet AB
Katrineholm, Södermanlands Län, Sweden

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

Regulation (EU) 2018/773,

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, IMO MSC.1/Circ.1239 and IMO MSC.1/Circ.1275

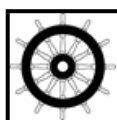
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-01-10**.

Issued at **Høvik** on **2019-01-11**

DNV GL local station:
Stockholm

Approval Engineer:
Nathaniel Frithiof



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body



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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Job Id: **344.1-004109-4**
Certificate No: **MEDB00004TV**

Product description

"PRESTO FIRE EXTINGUISHERS"

For different types, fire rating and fire extinguishing medium used, see appendix to this certificate.

Application/Limitation

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

Extinguishers of size less than 9 L foam, 5 kg CO2 or 5 kg powder may only be used when accepted by the flag.

Type Examination documentation

See appendix to this certificate.

Tests carried out

Tested according to EN-3:7-9.

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 3-7, Ch. 16.

Appendix

to EC Type – Examination Certificate. MEDB00004TV

Product description/ Product name	Charge Volume	Temperature range (°C)	Fire Rating	Extinguishing Medium	Main Drawings
S6 Eco pro	6 L	0 to +60	27A, 183B	P Foam Pro	RH30110
S9 Eco pro	9 L	0 to +60	34A, 233B	P Foam Pro	RH30111
P6GS / P6G	6 Kg	-30 to +60	43A, 233B	Prestolit ABC	RH30024 RH30040
PG6 / PG6R/ P6GX	6 Kg	-30 to +60	55A, 233B	Prestolit Ultra Plus	RH30041
PG9 / P9GS	9 kg	-30 to +60	55A, 233B	Prestolit ABC	RH30039
PG12 / PG12R / P12GS / P12GSR	12 Kg	-30 to +60	55A, 233B	Prestolit ABC	RH30025
P12 / P12R	12 Kg	-30 to +60	233B	Prestolit BC30 + BC95 + BC101K	RH30102
P12M	12 Kg	-30 to +60	Class D*	D Powder	RH30044
S6Eco	6 L	0 to +60	21A, 183B	AFFF/PFoam	RH30091
S6EcoPlus	6 L	0 to +60	34A, 183B	PFoamPlus	RH30092
S6EcoGreen	6 L	0 to +60	43A	PfoamGreen	RH30093
S6K-30	6 L	-30 to +60	21A, 144B, 25F	P Foam -30	RH30094
F6	6 L	0 to +60	21A, 113B, 75F	FatSeal	RH30104
S6EcoUltra	6 L	0 to +60	43A, 183B	PFoamUltra PFoamUltra2	RH30108
S9Eco	9 L	0 to +60	27A, 233B	AFFF/PFoam	RH30095
S9EcoPlus	9 L	0 to +60	43A, 233B	PFoamPlus	RH30096
W9K-30	9 L	-30 to +60	21A	Presto Water Antifreeze -30 °C	RH30097
W9	9 L	+5 to + 60	21A	Water	RH30098

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S9K-30	9 L	-30 + 60	34A, 183B, F25	P Foam -30	RH30099
S9EcoGreen	9 L	0 to +60	55A	PFoamGreen PFoamGreen2	RH30100
S9EcoUltra	9 L	0 to +60	55A, 233B	PFoamUltra PFoamUltra2	RH30109
K5	5 kg	-30 to +60	89B	CO ₂	RH30049
K5S	5 Kg	-30 to +60	89B	CO ₂	RH30036
*Fire test not part of this certificate/ not covered by EN 3-7.					

Type Examination documentation

Test reports and component drawings are stated in Technical documentation dated 5 September 2013 from Presto Brandsäkerhet AB.

Presto-Ruihua model range (drawing and test reports) dated 5 September 2013.

Alternative brand-names, Annex 1-9 (2 pages per annex) dated 5 September 2018 from the manufacturer.

Test reports and component drawings are stated in Technical documentation dated 8 Mai 2015 from MPA Dresden GmbH., Dresden, Germany.

Supplementary test reports and component drawings are stated in Technical documentation dated 26 February 2016 from MPA Dresden GmbH., Dresden, Germany.

Test reports and component drawings are stated in Technical documentation dated 30 September 2014 from MPA Dresden GmbH., Dresden, Germany.