

TYPE APPROVAL CERTIFICATE

Certificate No.	: CSP23761-FF003	Initial Approval :	19th October, 2015
Product	: Water Mist Lance		
Manufacturer	: NAVUTEC Co., Ltd.		
	91-6, Sandan 3-ro, Jeonggwan-myeon, Gijang-gun, Busan, Korea		

Product Description : Water Mist Lance (Model : NVT-WM-Lance)

See "Appendix 1"

Approval Condition : See "Appendix 1"

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

SOLAS II-2/Reg.10.7.3.2

This Certificate is valid until 18th October, 2025 Issued at Jangsaengpo, Korea on 12th October, 2020



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "http://e-cert.krs.co.kr" by using the tracking No (ME20035772535) and certificate No.(CSP23761 -FF003).



General Manager of Jangsaengpo Branch Office

Note: 1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.

^{2.} This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.

^{3.} Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.

^{4.} Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

Appendix 1

Product Description and/or Approval Condition

Certificate No : CSP23761-FF003

Date of Issue: 12th October, 2020

1.	Product Description : 1) Water Mist Lance (Model : N	NVT-WM-Lance)
	- Nominal capacity	: 72 L/min @ 4 bar
	- Nominal working pressure	e : 4 bar
	- Max. working pressure	: 20 bar
	- Nominal throw length	: 10 m @ 4 bar
	- Overall Dimension	: L530 mm X W150 mm x D28 mm
	- Weight	: 2 kg
	- Material	: Body and Nozzle- stainless steel 316
	– K-Factor	: 34.6
	2) Special Hammer :	
	- Overall Dimension	: L480 mm X W165 mm x ¢55
	- Weight	: 2.8 kg
	- Material	: Body-Galvanized steel, Hand Grip-Rubber

- 2. Approved drawings : NVT-WM-Lance-00, 30-49-002
- 3. Approval Condition
- 1) This approval is granted on the basis of the approved documents and following test reports :
 - No. NVT-15-1005-42 performed at Navutec Co., Ltd. in the presence of KR Surveyor
 No. NVT-15-1008-02 performend onboard in the presence of KR Surveyor.
- 2) This type approval is not to be construed as a substitute for Korean government's approval for the purpose of SOLAS 1974 as amended.
- 3) Individual Product certification is not required.
- 4) A manufacturer's operating manualis to be provided which includes information on the safe operation of the Lance.

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