



Marine &amp; Offshore

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composed of 7 sections  
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Notified Body 2690 - MARINE EQUIPMENT DIRECTIVE 2014/90/EU

## EC TYPE EXAMINATION CERTIFICATE

as per Module B of Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations and Commission Implementing Regulation (EU) 2023/1667 of 8 Aug. 2023

This certificate is issued to:

**PROTEK MANUFACTURING CORP.**

No. 226, Sec. 4, Changping Rd., Daya Dist., 42850, Taichung City, Taiwan R.O.C.

for the type of product

**DUAL-PURPOSE TYPE NOZZLES (SPRAY/JET TYPE) - (a) Hand-held branch pipes for fire service use - Combination branch pipes PN 16**

Selectable Gallonage Nozzles Style 2360, 2361, 2365, 2366, 2366E and 2368

### Requirements:

SOLAS 74 convention as amended, Regulations II-2/10, X/3

IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 7

IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 7

EN 15182-1:2019 and EN 15182-2:2019

This certificate is issued on behalf of the French Maritime Authorities to attest that Bureau Veritas Marine & Offshore did undertake the relevant type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 as transposed in the French Regulations.

**This certificate will expire on: 06 Nov 2028**

**For Bureau Veritas Marine & Offshore Notified Body 2690,**

At BV TAIPEI, on 06 Nov 2023,

Algemon CHEN

**This certificate was created electronically and is valid without signature**



**This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.**

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. Bureau Veritas Marine & Offshore is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. 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 :**

**Handline Selectable Gallonage Nozzles Style 2360, 2361, 2365, 2366, 2366E and 2368.**

**Technical characteristics:**

Style	2360	2361	2365	2366	2366E	2368
<b>Inlet Size (mm)</b>	25	25	38	38	38	65
<b>Max. Working Pressure (bar)</b>	16	16	16	16	16	16
<b>Reference Pressure (bar)</b>	6	6	6	6	6	6
<b>Burst Pressure (bar)</b>	60	60	60	60	60	60
<b>Flow Rate Settings* (l/min) at 6 bar</b>	20 40 100 150	50 100 150 230	70 130 230 400	100 250 350 500	100 250 350 500	285 500 600 800 950
<b>Max. Throw Range (m) at 6 bar</b>	25	30	35	36	36	40
<b>Type of Spray</b>	Hollow cone	Hollow cone	Hollow cone	Hollow cone	Hollow cone	Hollow cone

\* According to manufacturer's instruction manuals

### **Construction:**

<b>Nozzle Body</b>	Aluminum
<b>Valve Body</b>	Aluminum
<b>Tube</b>	Aluminum
<b>Pattern Sleeve</b>	Aluminum
<b>Adapter</b>	Aluminum
<b>Control Ring</b>	Aluminum
<b>Bumper</b>	EPDM

### **2. DOCUMENTS AND DRAWINGS :**

2.1 - As per Manufacturer's drawings:

Model	Nozzle Drawing	Assembly Drawing	Part List
<b>2360</b>	N°2360 dated 30/06/2016	N°2360 assembly dated 01/03/2012	N°12360 dated 15/01/2019
<b>2361</b>	N°2361 dated 09/12/2016	N°2360 assembly dated 01/03/2012	N°12360 dated 15/01/2019
<b>2365</b>	N°2365 dated 30/06/2016	N°2365 assembly dated 30/06/2016	N°12365 dated 23/11/2018
<b>2366</b>	N°2366 dated 30/06/2016	N°2365 assembly dated 30/06/2016	N°12366 dated 15/01/2019
<b>2366E</b>	N°2366E dated 08/11/2018	N°2366E-asy dated 14/11/2018	N°12366E dated 14/10/2022
<b>2368</b>	N°2368 dated 24/03/2014	N°2368 assembly dated 02/08/2016	N°12368 dated 10/07/2017

2.2 - Manufacturer user guide "Selectable Gallonage Nozzles Operating Instructions" N°2360MED2310R0UG dated 27/10/2023.

2.3 - Datasheet for "Selectable hand#line nozzles for fire service use" N°2360MED2310R0DS dated 05/09/2023.

**3. TEST REPORTS :**

3.1 - Type tests carried out at the Manufacturer facilities according to EN 15182-1 and EN 15182-2 as amended, dated 20/07/2023 and witnessed by BV.

3.2 - Test report N°TH60151/2023 dated 26/07/2023 issued by SGS Taiwan Ltd. and witnessed by BV.

**4. APPLICATION / LIMITATION :**

4.1 - To be used with water only. Not approved for foam application.

4.2 - Approved as branchpipe dual-purpose type (i.e. spray/jet type) for fire-fighting systems on board ships having to comply with SOLAS 74 Convention, as amended.

4.3 - Number and size of branchpipes and use on board ships to comply with SOLAS Convention including amendments to the satisfaction of the Administration.

4.4 - The Manufacturer's instruction manual should be kept on board.

4.5 - To be used and maintained in accordance with the manual(s) for installation, use and maintenance.

**5. PRODUCTION SURVEY REQUIREMENTS :**

This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module E Product Quality Assurance or module F Product Verification of Annex II of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

**6. MARKING OF PRODUCT :**

Reference is made to MED 2014/90/EU chapter 2.

In particular Article 10.3 specifies that the wheelmark shall be followed by the identification number of the Notified Body involved in the production control phase (module D, E or F) and by the year in which the mark is affixed (4 digits or last 2 digits).

**7. OTHERS :**

It is **PROTEK MANUFACTURING CORP.**'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.

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