

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

## This is to certify:

**That the Selectable Gallonage Dual-Purpose (Jet & Spray) Hand-Held Nozzles**

with type designation(s)  
**SuperFire Junior**

Issued to

**New Age Fire Protection Industries Pvt. Ltd.**  
**Mumbai, India**

is found to comply with the requirements in the following Regulations/Standards:  
Regulation **(EU) 2017/306**,  
**item No. MED/3.55. SOLAS 74 as amended Regulation II-2/10 & X/3, 1994 HSC code 7 & 2000 HSC code 7**

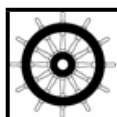
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-04-17**.

Issued at **Hamburg** on **2017-04-18**

DNV GL local station:  
**Mumbai CMC**

Approval Engineer:  
**Michael Kämpf**



Notified Body  
No.: **0098**

for **DNV GL SE**

**Sven Dudzus**  
**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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



## Product description

Dual-purpose spray/jet nozzles of type *SuperFire Junior* for discharging water from the ship's fire main by using fire hoses.

The nozzles are provided with a flow regulator ring for selecting between four flow settings.

### Material / performance data:

|                          |                           |
|--------------------------|---------------------------|
| Material                 | Aluminium alloy HE-30     |
| Rated operating pressure | 7 bar (0.7 MPa)           |
| Max. operating pressure  | 12 bar (1.2 MPa)          |
| Water flow rates         | 115 / 225 / 360 / 475 LPM |
| Throw ranges (jet mode)  | 18 / 26 / 32 / 34 m       |
| Spray angle (spray mode) | ≥ 120°                    |
| Outlet orifice           | 1" (25.4 mm)              |

The dual-purpose spray/jet nozzles of type *SuperFire Junior* are manufactured by *Newage Fire Protection Industries Pvt. Ltd.*, Mumbai, India.

## Application/Limitation

Approved for discharging water from the fire main when coupled to fire hoses (SOLAS II-2/10.2.3.3.4 and 2000 HSC Code, 7.7.5.6).

## Type Examination documentation

### Tests carried out

Tested according to EN 15182-1 (2007) incl. A1(2009) and EN 15182-2 (2007) incl. A1(2009).

### Marking of product

The products are to be marked with the MED Mark of Conformity (wheel mark). This mark shall be followed by our identification number 0098 and by the number of the year in which the mark is affixed. Besides, all data required by paragraph 8.2 of EN 15182-1 should be marked on the products.