

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
MEDB00007GU

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

## This is to certify:

That the **Dual-purpose type nozzles (spray/jet type): Hand-held branch pipes for fire service use - Combination branch pipes PN 16**

with type designation(s)  
**Y12, Y16 and Y19**

Issued to  
**Shanghai Yibei Safety Equipment Co. Ltd.**  
**Shanghai, China**

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

Regulation (EU) 2021/1158,

item No. MED/3.55a. SOLAS 74 as amended Regulation II-2/10 & X/3, 1994 HSC code 7 & 2000 HSC code 7

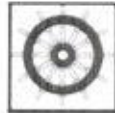
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2026-11-14**.

Issued at **Hamburg** on **2021-11-15**

DNV local station:  
**Shanghai**

Approval Engineer:  
**Andrii Pishchanskyi**



Notified Body  
No.: **0098**



for **DNV SE**  
Digitally Signed By: Mydlak-Roder, Christine  
Location: DNV GL SE, Hamburg

**Christine Mydlak-Roeder**  
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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

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

Hand-held combination branchpipes of types Y12, Y16 and Y19 fall into type 1 "adjustable pattern at variable flow" as per EN 15182-1:2019 Annex A. An open and shut-off device is accommodated in a twist shut-off nozzle. Main components and their material are as follows:

Component	Material
Holder	Polyoxymethylene reinforced with glass fibres
Body	CuZn40Pb2 plated with chrome
Head	NBR
Plate	polyamide
Stick	316
Bolt	316
Nut	316



Performance is as follows:

Parameter \ Type	Y12	Y16	Y19
Nominal pressure [bar]	16	16	16
Reference pressure [bar]	6	6	6
Flow rate at straight jet <sup>1)</sup> [l/min]	236	336	382
Flow rate at wide spray jet <sup>1)</sup> [l/min]	583	590	581
Angle of a wide spray jet [°]	114	115	116
Effective throw <sup>1)</sup> [m]	28,5	31	32

Note

1) At reference pressure of 6 bar.

### Application/Limitation

Approved as dual-purpose nozzle (spray/jet type) with incorporated shut-off device for fire service use throughout fire main.

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

### Type Examination documentation

1. General description datasheet No. YBMA21051 dated 2021-05-23.
2. Instruction and maintenance book No. YBMA21052 dated 2021-09-28.
3. Drawings No. 21011001 rev. V1 dated 2021-11-09.
4. Test reports:
  - a. No. Cn202100513 dated 2021-05-13;
  - b. No. Cn202100514 dated 2021-05-13;
  - c. No. Cn202100515 dated 2021-05-13;
  - d. No. Cn202100516 dated 2021-08-30.



### Tests carried out

Tested as per EN 15182-1:2019 and EN 15182-2:2019.

### Marking of product

The product or packing is to be marked according to EN 15182-1 §8.2 and the MED Mark of Conformity (see page No. 1).

