

Unifire type V16 SprayJet nozzle with international 2"inch male thread connection



Product description

Dual-purpose spray/jet nozzles of type QD16 for discharging water from the ship's fire main by using fire hoses.

The maker's designation for the nozzles is "water fog / water column dual-use nozzles".

Material: Aluminium alloy (nozzle), brass (coupling)

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

- Test Report No: 20220222 dated 2022-02-22
- Test Report No: 20220331 dated 2022-04-01
- Product data sheets from the manufacturer
- Previous GL Certificate MED-B 36741-11 HH; Ref.-No. 11-134424
- Declaration of "No change of product"

Tests carried out

Tested according to EN 15182-1 (2019) and EN 15182-2

Performance is as follows:

Parameter \ Type	QD12	QD16	QD19
Nominal pressure [bar]	16	16	16
Reference pressure [bar]	6	6	6
Flow rate at straight jet ¹⁾ [l/min]	280	356	408
Effective throw ¹⁾ [m]	28.4	30.5	33.1
Flow rate at wide spray jet ¹⁾ [l/min]	526	535	541
Maximum Angle of wide spray jet [°]	108	109	110

Note 1) At reference pressure of 6 bar.



DNV

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 SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:
That the Dual-purpose type nozzles (sprayjet type): Hand-held branch pipes for fire service use - Combination branch pipes PN 16

with type designation(s)
QD12, QD16, QD19

Issued to:
**Nantong Haizhou Marine Equipment Co., Ltd.
Haimen, 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 elsewhere.

This Certificate is valid until **2027-04-06**.

Issued at **Hamburg** on **2022-04-07**

DNV local station:
Nantong

Approval Engineer:
Christian Kaemmer



Notified Body
No.: **0098**



for DNV SE
Digitally Signed By: **Malin Rieber, Christian**
Location: **DNV GL 02 Hamburg, Germany**

Christine Mydals-Rieber
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 conforms to EN 15182-1 & EN 15182-2. The MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product is made with the manufacturer or its representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment which is similar to the approved type. The manufacturer shall inform DNV SE of any changes to the approved equipment. This certificate remains valid unless suspension, withdrawal, renewal or cancellation.

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 third 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 reference thereto, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstances shall not exceed the amount of the fee paid for the service.



Product code: **MED 301 (2021)**

Revision: **0020-02**

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