

# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB000005H**  
Revision No:  
**1**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

**This is to certify:****That the Dual-purpose type nozzles (spray/jet type)**

with type designation(s)

**"Turbospritze Gold 2235 EN C" (T2235), "Turbospritze Gold 2400 EN C" (T2400) and "Turbo-Spritze Gold 2400 VSP" (T2400 VSP)**

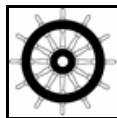
Issued to

**AWG Fittings GmbH  
Ballendorf, Baden-Württemberg, Germany**

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

Regulation **(EU) 2020/1170,****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 **2025-09-08.**Issued at **Høvik** on **2020-09-09**DNV GL local station:  
**Essen**for **DNV GL AS**Approval Engineer:  
**Helge Bjørnarå**Notified Body  
No.: **0575****Roald Vårheim  
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 AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



Job Id: **344.1-003253-14**  
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## Product description

"Turbospritze Gold 2235 EN C" (T2235), "Turbospritze Gold 2400 EN C" (T2400) and "Turbo-Spritze Gold 2400 VSP" (T2400 VSP), are combination branchpipes with adjustable spray pattern at selectable, constant flow (type 3). The hand-held branchpipes are comprised of a fitting system, a pistol grip, an open and shut-off device (ball valve) with a valve handle and two rotating elements for jet/spray system and flow adjustment.

Type	T2235	T2400	T2400 VSP
Type of branchpipe	3	3	3
Type of spray	Full cone	Full cone	Full cone
Maximum working pressure ( $p_N$ ) [bar]	16	16	16
Standard working pressure ( $p_R$ ) [bar]	6	6	6
Flow rate settings [lpm] at $p_R$	60; 130; 235	130; 235; 400	130; 235; 400

For further details, see drawings listed under Type Examination documentation below.

## Application/Limitation

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

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

## Type Examination documentation

Test report No. LW 001/15 dated 13 July 2015 from TZW, Karlsruhe, Germany.

Test report No. LW 002/15 dated 13 July 2015 from TZW, Karlsruhe, Germany.

Test report No. LW 003/19 dated 14 November 2019 from TZW, Karlsruhe, Germany.

Drawing No. 6.20397.41 (T2235) dated 18 March 2015 from manufacturer.

Drawing No. 6.20262.41 (T2400) dated 14 January 2014 from manufacturer.

Drawing No. 600262 (T2400 VSP) dated 30 July 2019 from manufacturer.

## Tests carried out

Tested according to EN 15182-1:2007+A1:2009 and EN 15182-2:2007+A1:2009.

## Marking of product

The product is to be marked acc. to EN 15182-1 Ch. 8.2 and in addition with the MED Mark of Conformity, Notified Body No. and the year of manufacturing.