DNV·GL

Certificate No:
MEDB000005H

EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2013/52/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom 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)"

Issued to
AWG Fittings GmbH
Ballendorf, Germany

is found to comply with the requirements in the following Regulations/Standards:
Annex A.1, item No. A.1/3.55 and Annex B, Module B in the Directive. 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.

Høvik, 2015-08-13
for **DNV GL AS**

This Certificate is valid until
2020-08-12

Notified Body No.: **0575**

Petter Langnes
Head of Department

DNV GL local office:
Augsburg

Ragnar Tonjer
Surveyor

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Job Id: **344.1-003253-8**
Certificate No: **MEDB000005H**

Product description

"Turbospritze Gold 2235 EN C (T2235)", "Turbospritze Gold 2400 EN C (T2400)"
Nozzles are made of longtime - seawater - resistant materials, with twistable head (on/off) to allow adjustable spray.

Type	Outlet opening	Performance	Working pressure	Throwing range	Spray angle
T2235	12 mm	235 l/min at 6 bar	Up to 16 bar	31.1 m at 6 bar	120° at 6 bar
T2400	16 mm	400 l/min at 6 bar	Up to 16 bar	37.8 m at 6 bar	120° at 6 bar

For further details see drawings and test reports stated under Type Examination documentation below.

Application/Limitation

Approved for use throughout the fire main.
The dual-purpose nozzle may be equipped with fixed couplings as well, if the operability of the nozzle is not impaired.

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

Type Examination documentation

Test report No: LW 001/15 and LW 002/15 both dated 13 July 2015 from TZW, Karlsruhe, Germany.

Drawing no. 6.20397.41 (T2235) dated 2015-03-18 from AWG Fittings GmbH.
Drawing no. 6.20262.41 (T2400) dated 2014-01-14 from AWG Fittings GmbH.

Tests carried out

Tested according to NS-EN 15182-1:2007+A1:2009, NS-EN 15182-2:2007+A1:2009 and NS-EN 15182-3:2007+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.

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.