

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Pipe Couplings, Bite and Compression Type**with type designation(s)
DB (Distribution Block)

Issued to

Volz Gruppe GmbH
Deilingen, Germany

is found to comply with

DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems**DNVGL-OS-D101 – Marine and machinery systems and equipment, Edition January 2018****DNV GL class programme DNVGL-CP-0185 – Type approval – Mechanical joints****Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.****Temperature range: Up to +200 °C****Max. working press.: 250 bar****Sizes: Outer diameter of connecting pipe up to 38 mm**Issued at **Hamburg** on **2019-07-15**This Certificate is valid until **2024-07-14**.for **DNV GL**DNV GL local station: **Augsburg**Approval Engineer: **Andrii Pishchanskyi**

Olaf Drews
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-031461-1**
Certificate No: **TAP00001VZ**

Product description

Type DB is a distribution block made of stainless steel (1.4571) with two 24° cone and two screw-in connection as per ISO 8434-1.

Application/Limitation

Distribution block of type DB is approved for use in piping of a fixed pressure water-spraying and water-mist fire-extinguishing system as per FSS Code, Ch.7.

At elevated temperatures, the maximum pressures are to be reduced as follows:

Temperature [°C]	≤20	50	100	200
Pressure reduction factor [-]	1	0,95	0,89	0,8

Distribution block shall assembled as per manufacturer's instruction.

Selection of materials

Stainless steel grade 1.4571 specified in this certificate are not approved for application in sea water systems. It shall be noted that the selection of the materials considers the applicable service condition with respect to type of media, flow velocity, media temperature etc. and installation area of the piping system. In particular, the resistance to corrosion, erosion, oxidation and other deterioration during projected service life are to be taken into account. Reference is made to DNVGL Rules Pt.4, Ch.6 – Section 2 – Materials.

Type Approval documentation

Tests carried out

1. Burst pressure test;
2. Pressure impulse test.

Marking of product

For traceability to this type approval, each coupling is at least to be marked with:

Marking scope	Example
Manufacturer sign	 or V71

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the Type Approval are complied with. Refer to DNVGL-CP-0338, Sec.4.