Certificate No: LR24150789TA
Issue Date: 01/08/2023
Expiry Date: 31/07/2028

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**VOSS Fluid GmbH**
Address	Luedenscheider Str.52-54, Wipperfuerth, 51688, Germany
Type	Compression Fittings
Description	Steel or stainless welding nipples with O-ring seal used in lieu of cutting ring connectors.
Trade Name	VOSS Welding Couplings
Application	General use in marine, offshoreand industrial piping systems. Restrictions (not to be used): 1. starting/control air and CO2 systems. 2. inside machinery spaces of category A or accommodation spaces for inert gas main lines 3. fire extinguishing systems which are not always filled with water
Specified Standard	LR Rules and Regulations for the Classification of Ships, July 2024

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Engineering - Piping/ Decarbonisation -
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Ratings

Pipe outside diameter (mm)	Nominal pressure (bar)
6 to 14	315 to 500
16 to 20	250 to 400
25	315 to 400
30	250 to 400
38	250 to 315

Additional Tests Repeated assembly, leakage, burst pressure, hydraulic impulse and vibration, flame resistance tests conducted

Other Conditions The welding nipples are to be selected and installed as per producer's recommendations and instructions.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: 93/20049(E5)

The Design Appraisal Document TSO/24-017822, prev. HMD 13340-04 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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