

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	Viega GmbH & Co KG
Address	Viega Platz 1, 57439 Attendorn, Germany
Type	Pipes And Crimped Fittings
Description	CuNiFe fittings and pipe system. The fittings are offered with different sealing elements – EPDM, HNBR and FKM. The press connection is performed by a special press tool. TYPE: Viega- Seapress-System
Trade Name	Seapress
Application	As piping components in Class III piping systems on ships classed or intended for Classification with Lloyd's Register. <u>Restrictions:</u> <ol style="list-style-type: none">1. Starting/control air and CO2 systems.2. Inert gas systems inside machinery spaces of category A, pump rooms or accommodation spaces.3. Fire main, water spray or sprinkler systems which are not always filled with water.4. Bilge lines in high fire risk compartments.5. Scupper pipes below freeboard deck over board. For deck and bulkhead penetrations see also the requirements of the National Authorities.

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Specified Standard	DVGW, IACS P 2.11 including wet fire endurance test, LR Rules and Regulations for the Classification of Ships, July 2021.
Ratings	MAWP 1,5 MPa : size 54 mm; MAWP 1,6 MPa : size 15 to 42 mm and 76,1 mm to 108 mm; Temp. Range: - 20°C to 120°C Pipe sizes (mm): 15x1.0; 22x1.0; 28x1.5; 35x1.5; 42x1.5; 54x1.5; 76.1x2; 88.9x2; 108x2.5 Vacuum lines 170 mbar absolute

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: 03-20045(E4)-02

The Design Appraisal Document HMD 13413-04, Issue No. 5 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Appendix

PLACE OF PRODUCTION Viega GmbH & Co. KG
Viega Strasse 1
99851 Großheringen
Germany