



## 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.

<b>Manufacturer</b>	<b>Viega GmbH &amp; Co. KG</b>
<b>Address</b>	Viega Platz 1, Attendorn, 57439, Germany
<b>Type</b>	Compression Fittings
<b>Description</b>	Megapress Stainless Steel (304 and 316L) and Megapress CuNiFe are press type compression pipe coupling systems with SC-feature. The SC-feature enables to quickly identify unpressed fittings. The press connection is performed by a special press tool. The fittings are offered with FKM and EPDM sealing element.
<b>Trade Name</b>	Megapress Stainless Steel , Megapress CuNiFe
<b>Application</b>	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"><li>1. Starting/control air and CO2 systems.</li><li>2. Inside machinery spaces of category A, accommodation spaces or cargo. pump rooms for main or distribution lines of inert gas systems.</li><li>3. Fire main, water spray or sprinkler systems which are not always filled with water.</li><li>4. Bilge lines in high fire risk compartments.</li><li>5. Scupper pipes below freeboard deck overboard.</li></ol> EPDM sealing is not suitable for most of oily fluids

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<b>Specified Standard</b>	IACSP 2.11 including wet fire endurance test, LR Rules and Regulations for the Classification of Ships, July 2022
<b>Ratings</b>	see Appendix
<b>Other Conditions</b>	The manufacturer's installation instructions are to be sought. For deck and bulkhead penetrations see also the requirements of the National Authorities.

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:** 17-20099-02

The Design Appraisal Document HTS/ENS 45211-22 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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## Appendix

### RATINGS

#### Megapress Stainless Steel (304 and 316L)

For pipe sizes [inch]	Max. working pressure	
	[MPa]	[psi]
½, ¾, 1, 1 ¼, 1 ½, 2, 2 ½	1,6	232
3	1,25	181
4	1,0	145

#### Megapress CuNiFe

For pipe sizes [inch]	Max. working pressure	
	[MPa]	[psi]
½, ¾, 1, 1 ¼, 1 ½, 2, 2 ½, 3	1,6	232
4	1,25	181

Vacuum lines 170 mbar absolute

Max. temperatures: FKM -5°C (23°F) up to 140°C (284°F)  
EPDM -10°C (14°F) up to 110°C (230°C)

#### PLACE OF PRODUCTION

Viega GmbH & Co. KG  
Viega Strasse 1  
99851 Großheringen  
Germany