



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.

This certificate supersedes certificate number 17/20099 issued on 13.10.2017 which is hereby cancelled.

This certificate is issued to:

PRODUCER	Viega Technology GmbH & Co. KG Viega Platz 1 57439 Attendorn Germany
DESCRIPTION	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.
TYPE	Megapress Stainless Steel / Megapress CuNiFe
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. Inside machinery spaces of category A or accommodation spaces for main lines of inert gas systems.3. Fire main, water spray or sprinkler systems which are not always filled with water.4. Bilge lines in high fire risk compartments5. Scupper pipes below freeboard deck over board EPDM sealing is not suitable for most of oily fluids
STANDARD	IACS P 2.11 including wet fire endurance test, LR Rules and Regulations for the Classification of Ships, July 2018
Certificate No.	17/20099 (E1)
Issue Date	31 January 2019
Expiry Date	12 October 2022
Sheet	1 of 2



Torsten Schröder
Hamburg Technical Support Office
Lloyd's Register EMEA

LR031.1.2016.06

Torsten Schröder
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group



RATINGS

Megapress Stainless Steel (304 and 316L)		
For pipe sizes	Max. working pressure	
[inch]	[MPa]	[psi]
1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	1,6	232
3	1,25	181
4	1,0	145

Megapress CuNiFe		
For pipe sizes	Max. working pressure	
[inch]	[MPa]	[psi]
1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	1,6	232
4	1,25	181

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

OTHER CONDITIONS

The manufacturer's installation instructions are to be sought.
For deck and bulkhead penetrations see also the requirements of the National Authorities.

PLACE OF PRODUCTION

Viega Supply Chain GmbH & Co KG
Viegastrasse 1
99518 Großheringen
Germany

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ENS 36775-17, Issue No. 1, dated 31.01.2019 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 17/20099 (E1)
Issue Date 31 January 2019
Expiry Date 12 October 2022
Sheet 2 of 2



LR031.1.2016.06

Torsten Schröder
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

Lloyd's Register EMEA
Is a subsidiary of Lloyd's Register Group