



TYPE APPROVAL CERTIFICATE
No. MAC043821XG/001

This is to certify that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	MECHANICAL JOINTS FOR PIPES
<i>Type</i>	MegaPress, MegaPress (S) XL and MegaPress G Compression Coupling, Press Type
<i>Applicant</i>	VIEGA GmbH & Co. KG Viega Platz 1 57439 Attendorn GERMANY
<i>Manufacturer</i>	VIEGA GmbH & Co. KG
<i>Place of manufacture</i>	Viega Platz 1 57439 Attendorn GERMANY
<i>Reference standards</i>	Part C, Chapter 1, Section 10 of RINA Rules
<i>Reference documents</i>	RINA TYPE APPROVAL SYSTEM

Issued in **Hamburg** on **June 1, 2021**. *This Certificate is valid until* **May 31, 2026**



RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

TYPE APPROVAL CERTIFICATE
No. MAC043821XG/001
Enclosure - Page 1 of 2
MegaPress, MegaPress (S) XL and MegaPress G
Compression Coupling, Press Type

Reference documents:

- MPA Test Report 120003993 dated 30/7/2012
- IHA Fire Resistance Test 006-12,007-12 dated 04/7/2012
- Fire Resistance Test 0086-12 dated 05/7/2012
- Operating Installation Guidelines, Technical Documentation
- Catalogue of MegaPress S XL filed for information under RINA dwg. no. HMMC-11730
- MPA & IHA Test Reports filed for information under RINA dwg. no. HMMC-11731
- MPA Test Report 122000040 dated 09/04/2019 filed for information under RINA dwg. no. HMMC-19504
- MPA Test Report 122000070 dated 08/08/2019 filed for information under RINA dwg. no. HMMC-19504
- MPA Test Report 122000076 dated 08/08/2019 filed for information under RINA dwg. no. HMMC-19504

Description of the component:

Press Fitting Systems in Carbon Steel

Technical characteristics:

Fittings	: Specially shaped carbon steel fittings (exterior zinc nickel coating) sealed with a bite ring, separator ring and sealing element
Material	: Carbon steel E235 (1.0308 / St 35),
Pipes	: Black, complete galvanized, industrially coated, powder coated pipes acc. to DIN EN 10255,
Sizes [mm]	: ASTM A53, A 106, A135, A795
Sizes [in]	: According to DIN EN 10255, 10220, 10216-1, 10217-1.
M.A.W.P	: According to ANSI/ASME B36.10M
M.A.W.P. for vacuum lines	: 17 kPa (2.46 psi) absolute
M.A.W.T.	: 1.6 MPa (232 psi)
	Sealing element EPDM : -10° C up to 110° C (14° F up to 230° F)
	Sealing element HNBR : -40° C up to 82° C (-40° F up to 180° F)
Pipe O.D. [mm]	: Sealing element FKM : -5° C up to 140° C (23° F up to 284° F) from 17.2 to 114.3 (3/8 up to 4 inches)

Fields of application (not for potable water):

● Fresh water :	water spray systems, cooling water systems, condensate return, foam-,wet-sprinkler-systems and non essential systems, foam sprinkler
● Sanitary /drains / scuppers :	deck and pool drains [internal], sanitary drains, scuppers and discharge [overboard], closed domestic warm water heating, low pressure steam
● Sounding / vent :	water tanks, dry spaces, oil tanks (flash point >60°C)
● Flammable fluids : (flash point > 60°C)	cargo oil lines, fuel oil lines, hydraulic oil lines, thermal oil lines. (temperature < 60°C)
● Inert gas :	water seal effluent lines, scrubber effluent lines, main lines, distribution lines.
● Miscellaneous :	brine, control air, service air (non essential) air conditioning systems (media: condensed water, ethylene glycol), foam system, water mist, vacuum lines.



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No. MAC043821XG/001

Enclosure - Page 2 of 2

**MegaPress, MegaPress (S) XL and MegaPress G
Compression Coupling, Press Type**

Acceptance Conditions:

This product is not allowed to be used in piping systems of class I and II.

Installation of this product is to be carried out in accordance with the instructions of the manufacturer and the installation requirements of the IMO resolution respectively.

Handling instructions for pipes and fittings are to be observed.

The acceptance of this product on board ships and other units classed by RINA is subject to the satisfactory outcome of testing as per RINA Rules.

The use of this product outside the range of application requires the special consideration by RINA in each individual case.

Remarks:

For gaseous and liquid media which will not obstruct the press fitting system or attack carbon steel, synthetic rubbers respectively. The selection of the fittings, pipes and O-rings for the corresponding application and the right mounting with the stipulated pressing tools is to be in accordance with the instructions of the manufacturer

The manufacturer's list of the chemical resistance of the piping components is to be observed.

This Certificate has replaced the Type Approval Certificate No. MAC18818XG.

Hamburg June 01, 2021

