



**TYPE APPROVAL CERTIFICATE**  
No. **MAC218818XG**

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

<i>Description</i>	<b>MECHANICAL JOINTS FOR PIPES</b>
<i>Type</i>	<b>MegaPress, MegaPress (S) XL and MegaPress G Compression Coupling, Press Type</b>
<i>Applicant</i>	<b>VIEGA TECHNOLOGY GMBH &amp; CO.KG Viega Platz 1 57439 Attendorn GERMANY</b>
<i>Manufacturer</i>	<b>Viega Supply Chain GmbH &amp; Co. KG</b>
<i>Place of manufacture</i>	<b>Viegestrasse 1 99518 Grossheringen GERMANY</b>
<i>Reference standards</i>	<b>Part C, Chapter 1, Section 10 of RINA Rules</b>
<i>Reference documents</i>	<b>RINA TYPE APPROVAL SYSTEM</b>

Issued in **Hamburg** on **September 26, 2018**. This Certificate is valid until **September 25, 2023**

RINA Services S.p.A.  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure.



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### 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

#### 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 / st35 ) , E195T ( 1.0026 )
Pipes	:	Black, complete galvanized, industrially coated, powder coated pipes acc. to DIN EN 10255, ASTM A53, A 106, A135, A795
Sizes [mm]	:	According to DIN EN 10255, 10220, 10216-1, 10217-1.
Sizes [ in ]	:	According to ANSI/ASME B36.10M
M.A.W.P	:	1.6 MPa (232 psi)
M.A.W.P. for vacuum lines	:	17 kPa (2.46 psi)
M.A.W.T.	:	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) Sealing element FKM : -5°C up to 140°C (23°F up to 284°F)
Pipe O.D. [mm]	:	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.

#### 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. MAC139615XG.

Hamburg September 26, 2018



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