



TYPE APPROVAL CERTIFICATE
No. MAC156623XG/001

This is to certify that the product identified below satisfies the requirements of the standard quoted under "Reference standard"

<i>Description</i>	MECHANICAL JOINTS FOR PIPES
<i>Type</i>	Compression Coupling / Press Type
	Brand Name: Seapress / Seapress XL
<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 5, 2023**. This Certificate is valid until **June 5, 2028**

Giuseppe Russo

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 2 enclosures.

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Compression Coupling / Press Type
Brand Name: Seapress / Seapress XL

Reference documents:

- Catalogue of Seapress connectors filed for information under RINA dwg no. HMMC-12114
- Test Reports filed for information under RINA dwg. no. HMMC-12314:
 - Fire Endurance Tests as per ISO 19921:2005,
 - Vibration, Pressure Impulse, Burst Pressure, Pull-out and Vacuum Tests as per IACS section P2.11.5.5.

Technical characteristics:

This product is a pipe connecting system for pipes made of a copper-nickel alloy CuNi10Fe1,6Mn. Pipe press connectors are made of a copper-nickel alloy CuNi10Fe1,6Mn. Sealing elements are made of EPDM rubber. Nominal connectors sizes are correlated with an external pipe diameters in mm as follows:
Standard sizes: 15; 22; 28; 35; 42; 54.
XL sizes: 76,1; 88,9; 108,0
Operating temperature: -10°C up to 110°C (14°F up to 230°F)
Maximum working pressure depends on pipe dimensions according to the following table:

Pipe external diameter (mm)	Pipe thickness (mm)	Maximum allowable working pressure (bar)
15	1.0	16
22	1.0	16
28	1.5	16
35	1.5	16
42	1.5	16
54	1.5	15
76.1	2.0	16
88.9	2.0	16
108.0	2.5	16

Fields of application:

This connecting system is intended for use on board ships and other units classed by RINA in the following piping systems:

- fire extinguishing systems
- sprinkler systems
- sea water cooling systems
- bilge and ballast systems
- sea water desalination systems
- compressed air systems
- fresh water cooling systems

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- brine systems
- for vacuum lines up to -0,17 bar (-2,46 psi) acc. to the IACS test methods P2.11.5.5.7
- flammable liquids system (flash point > 60°C)

Acceptance conditions:

Application of this product and its acceptable use for particular piping systems is indicated in RINA Rules Part C, Chapter 1, Section 10, Table 16 and column referring to compression couplings.

This product is not allowed to be used in class I and II piping systems as indicated in RINA Rules Part C, Chapter 1, Section 10, Table 17.

The acceptance of this product is subject to the satisfactory outcome of testing as per RINA Rules. The installation on board is to be carried out in accordance with the Manufacturer's assembly instructions.

Special tools for proper mounting are to be supplied by the Manufacturer.

Remarks:

This Certificate has replaced the Type Approval Certificate No. MAC285618XG/001.

HAMBURG November 08, 2018

Giuseppe Russo