# Confirmation of Product Type Approval

**Company Name:** VIEGA SUPPLY CHAIN GMBH & CO. KG

**Address:** VIEGA STRASEE 1, D-99518 GROSSHERINGEN, Germany

**Product:** Piping System and Couplings

**Model(s):** Seapress and Seapress XL CuNiFe Fittings & Pipe

**Endorsements:**

| Certificate Type | Certificate Number | Issue Date | Expiry Date |
|---|---|---|---|
| Product Design Assessment (PDA) | 21-2079213-PDA-DUP | 08-FEB-2021 | 07-FEB-2026 |
| Manufacturing Assessment (MA) | 16-AG3180761 | 04-AUG-2016 | 03-AUG-2021 |
| Product Quality Assurance (PQA) | NA | NA | NA |

**Tier**
3 - Type Approved, unit certification not required

**Intended Service**
For use in Class III piping. –Flammable Fluids (flashpoint < 60° C)* : cargo oil lines (1), crude oil washing lines (2), vent lines (3), Inert Gas: water seal effluent lines (4), scrubber effluent lines (5), main lines (6), distribution lines (7), Flammable Fluids (flashpoint > 60° C)*: cargo oil lines (8), fuel oil lines (9), lubricating oil lines (10), hydraulic oil (11), thermal oil (12), Sea Water: bilge lines (13), water filled fire extinguishing systems (14), non-water filled extinguishing systems (15), fire main (not permanently filled)(16), ballast system (17), cooling water system (18), tank cleaning services (19), non-essential systems (20), Fresh Water: cooling water systems (21), condensate return (22), non-essential system (23), Sanitary/Drains/Scuppers: deck drains (internal)(24), sanitary drains (25), scuppers and discharge (overboard)(26), Sounding/Vent: water tanks/dry spaces (27), oil tanks (f.p.>60°C) (28), Miscellaneous: starting/control air (29), service air (non-essential)(30), brine (31), $CO^2$ system (32), steam (33)
*Flammable fluid applications require a HNBR or FKM sealing element. Sealing elements are interchangeable.

**Description**
90/10 Copper Nickel (CuNiFe) compression coupling fitting system with press connection technology, suitable for CuNiFe system pipes according to DIN 86019 and 85004 Standards.

Size: Seapress (15mm - 54mm) & Seapress XL (76mm to 108mm). Integral with EPDM sealing elements.

(*Flammable fluid applications require a HNBR or FKM sealing element. Sealing elements are interchangeable).

The fittings are an approved fire resistant type. Applications per 4-6-2/Tables 9 &10 of the MVR for compression couplings/IACS P2.7.4 Rev. 9, Mechanical Joints 4-6-2/ Tables 6 & 7.

*Flammable fluid applications require a HNBR or FKM sealing element. Sealing elements are interchangeable.

**Ratings**
M.A.W.P. 16 bar (232 psi), 1.6 MPa

Vacuum lines 170 mbar absolute (-12.04 psi/-24.5 in Hg/-0.083 MPa) acc. to the IACS test methods P2.11.5.5.7.

Maximum Operating Temperature

FKM: 23°F – 284°F (-5°C - 140°C)

EPDM: 14°F – 230°F (-10°C - 110°C)

HNBR: -40°F – 180°F (-40°C - 82°C)

-The fittings are an approved fire resistant type.

- Slip on joint requirements shall not apply to SeaPress and SeaPress XL CuNiFe fittings.

**Service Restrictions**
- Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

-The fittings are to be installed in accordance with the manufacturer's recommendation / limitations / requirements.

- EPDM should not be used in flammable fluid applications.

**Comments**
1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

2. Domestic & International Standards listed have been determined equivalent compliance with ASTM F1387 (USCG Letter dated 27 JAN 2006 16703 2005-137).

**Notes, Drawings and Documentation**
Drawing No. H5_US_ABS_2016_09-05_Product_Design_Assessment_Seapress, Revision: -, Pages: -

Drawing No Test report MPA NRW # 12 0003163, Phoenix Fire Resistance Test Certificates: 805312, 805313, 805314, 805315 dtd 29 Oct.08

**Term of Validity**
NA

**ABS Rules**
Rules for Conditions of Classification, Part 1 - 2021 Rules for Building and Classing Marine Vessels 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2021 Marine Vessel Rules: 4-6-1/Table 1, 4-6-1/Table 2, 4-6-2/5.9 and 4-6-2/Table 4/Table 10/Table 11/Table 12

Rules for Conditions of Classification, Part 1 - 2021 Rules for Building and Classing Mobile Offshore Units 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2021 Mobile Offshore Units Rules: 4-2-1/5, 4-2-1/11.13

Rules for Conditions of Classification, Part 1 - 2021 High Speed Craft 1-1-4/11.9, 1-1-A2, 1-1-A3, which

  

covers the following:

2021 High Speed Naval Craft Rules: 4-6-2/5.9;

**International Standards**
ISO 19921:2005,

ISO 19922: 2005.

CuNi10Fe1.6Mn (2.1972.11 acc. to DIN 86019); 2006

**EU-MED Standards**
NA

**National Standards**
UL 213, 2015; IACS Burst test 18 Sept 08

**Government Standards**
USCG LTR 16714 (2019-3650) Dated 07May 19

**Other Standards**
IACS Standard P2 Requirements


Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 09-Feb-2021 10:19

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the “Intended Service” details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.