

Company Name Details

Company Information	Additional Company / Plant Detail	Confirmation of Type Approval
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Certificate Number	Category	Expiry Date
16-AG3180761	RQS	03-AUG-2021

Product Piping System and Couplings

Model Seapress and Seapress XL CuNiFe Fittings & Pipe

Endorsements

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), CO² system (32), steam (33) *Flammable fluid applications require a HNBR or FKM sealing element. Sealing elements are interchangeable.

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.

Description

(*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.

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.

Ratings

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.

- 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.

Service Restrictions

-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, Drawing 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

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

ABS Rules

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;

National Standard

UL 213, 2015; IACS Burst test 18 Sept 08

International Standard

ISO 19921:2005,
 ISO 19922: 2005.
 CuNi10Fe1.6Mn (2.1972.11 acc. to DIN 86019); 2006

Government Standard

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

EUMED Standard

NA

Others Standard

IACS Standard P2 Requirements

Model Certificate

Model Certificate #

Issue Date

Expiry Date

PDA-DUP

21-2079213-PDA-DUP

08-FEB-2021

07-FEB-2026