

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	Viega Metric CTS fittings Profipress, Profipress XL Viega Imperial CTS fittings ProPress (formerly known as ProPress, ProPress XL, and ProPress XL-C)
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.

Description

Copper and Bronze fittings with copper tubing, utilizing a synthetic sealing element. Pressing is achieved by a press tool per the fitting manufacturer's installation instructions.

Product range in nominal tube size Viega US and Metric systems: ProPress (1/2" - 4"), Profipress (12mm - 54mm) & Profipress XL (64mm - 108 mm). ProPress & Profipress, Profipress XL Material: CC499K, Cu-DHP(CW024A) or CuZn10Si4MnP.

Integral with EPDM sealing elements and SC - Feature. (*Flammable fluid applications require a HNBR or FKM sealing element. Sealing elements are interchangeable).

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

*Flammable fluid applications require a HNBR or FKM sealing element. Sealing elements are interchangeable. - Slip on joint requirements shall not apply to ProPress/Profipress fittings.

Ratings

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

Vacuum lines up to 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 ProPress/Profipress fittings.

Service**Restrictions**

1. 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.

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

3. EPDM should not be used in flammable fluid applications.

4. *Flammable fluid applications require a HNBR or FKM sealing element.

Comments

1. Above pressure ratings are based upon connecting of subject components with tube made of copper according to BS EN 1057 or equivalent for metric sizes and to ASTM B88 for U. S. sizes. Drawings: Per Manufacturer' s catalog K 14 1/98. Material Specifications: Copper: SF-Cu according to BS EN 1057, Bronze: G-CuSn5ZnPb-C-GS according to DIN EN 1982. Seal: EPDM O-ring. For Part Description and Model No. refer to ABS Type Approval Certificate.
2. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes, Drawing and Documentation

Drawing No. 805300, FLAMMPRUFUNG IACS PROFIPRESS
Drawing No. 12 0003163, MPA ERGANZUNGSPRFUNG CUNIFE BERSTDRUCK1
Drawing No. 12 000462, TEST CERTIFICATE
Drawing No. 120002578-1, MPA PPXL
Drawing No. 120001641, PRUFBERICHT VIEGA PULL OUT TEST ENG
Drawing No. 120002370, Profipress-ProPresssss Vibration test IACS 2005
Drawing No. 120197098, Tests Cert Profipress-ProPress XL DVGW
Drawing No. 120004725, Test Report dated 28.01.2016
Drawing No. FIre, Fire Testing, Revision: 1, Pages: 1
Drawing No. MPA, IACS Testing, Revision: 1, Pages: 1
Drawing No. IHA, Testing, Revision: 1, Pages: 1

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- 2019; NSF 61- 2019; NSF 372- 2016; FM Class 1920- 2007; ICC-ES IC 1002-2013 IAPMO PS 117- 2019; ASME B16.51- 2013; ASME B31.1- 2018; ASME B31.3- 2018; ASME B31.9- 2017

International Standard

BS EN1057; DIN EN 1982; Technical Regulation Spec. W534
ISO 19921:2005
ISO 19922: 2005

Government Standard

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

EUMED Standard

NA

Others Standard

Phoenix Fire Resistance Test Certificates: 805300 to 805307 Dated 29 Oct.08 IACS Standard P2 Requirements

Model Certificate

Model Certificate #

Issue Date

Expiry Date

PDA-DUP

21-2079214-PDA-DUP

08-FEB-2021

07-FEB-2026