

TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No. **45 789 - 02 HH**

Company **Viega GmbH & Co. KG
Sanitär- und Heizungssysteme
Viega Platz 1
57439 Attendorn, GERMANY**

Product Description **VIEGA PRESS FITTING SYSTEM MADE OF COPPER ALLOY**

Type **VIEGA SEAPRESS CUNIFE**

Environmental Category **None**

Technical Data /

Range of Application

TECHNICAL DATA

Fittings, pipes: **CuNi10Fe1.6Mn (2.1972.11/.22) acc. to DIN 86019 and BWB material performance sheet WL 2.1972 as well as DIN 85004 T4.**

O-rings: **HNBR, EPDM, FKM [depending on working temp. and media used]**

M.A.W.P.: **up to 13 [bar] DN 15 to DN 54
up to 16 [bar] DN 65 / 80 / 100**

M.A.W.T.: **-20 [°C] to 120 [°C]**

Pipe sizes: **15x1.0, 22x1.0, 28x1.5, 35x1.5, 42x1.5, 54x1.5, 76.1x2.0,
[mm] 88.9x2.0, 108x2.5**

RANGE OF APPLICATION [continued on page 3]

For gaseous and liquid media which will not obstruct the press fitting system or attack copper alloys respectively synth. Rubbers:

- **Seawater: bilge lines, fire main and water spray systems, foam and sprinkler systems, ballast system, cooling water system, tank cleaning services, non-essential systems [swimming pool, whirlpool and so forth].**

Test Standard • **GL Regulations for the Performance of Type Tests, Chapter 8 and IACS Req. 2001, P2.11 Type Approval of Mechanical Joints.**

Documents • **MPA NRW - Test Report Nos.: 120001518-1 and 120001976**
• **Operating and Installation Guidelines**
• **Technical Documentation**
• **ISO 9001: 2008, dated: 2012-11-23**
• **MPA NRW Report-No.: 130002758, dated: 2012-11-23**
• **DNV GL Ref.-No.: 15-010310**

Remarks • **VIEGA SEAPRESS CUNIFE may not be used in piping systems of class I and II.**

Valid until **2020-07-16**

Page **1 of 3**

File No. **II.C.08**

Hamburg, **2015-03-24**

Type Approval Symbol



DNV GL

i.v.
Olaf Drews

i. A. P. Gierhan
Peter Gierhan

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PRODUCTION PLACE

Viega GmbH & Co. KG
Sanitär- und Heizungssysteme
Viega Platz 1
57439 Attendorn
Germany

MARKING

Each device shall bear legible and durable marking on the body or on a plate fixed securely to the body as follows:

- Manufacturer`s Mark • Type • Nominal Diameter •

RANGE OF APPLICATION

- Fresh water: cooling water system, condensate return, non-essential systems [swimming pool whirlpool and so forth].
- Sanitary / drains / scuppers: deck drains [internal], sanitary drains, scuppers and discharge [overboard].
- Sounding / vent: water tanks, dry spaces, oil tanks [flash point >60 °C].
- Flammable fluids: (flash point > 60 [°C]) cargo oil lines, fuel oil lines, lubricating oil lines, hydraulic oil lines.
- Inert gas: water seal effluent lines, scrubber effluent lines, main lines, ditributions lines.
- Miscellaneous: service air [non-essential], air conditioning systems [media: condensed water, ethylene glycol].

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Page **2 of 3**

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INSTALLATION

The installation of the piping system is to be carried out in accordance with the instructions of the manufacturer and the installation requirements of the IMO Resolution respectively.

The handling instructions for fittings and pipes and the manufacturer`s chemical resistance list for pipes and fittings are to be observed.

Through watertight bulkheads and fire divisions DNV GL type approved pipe penetrations are to be used.

The use of the products outside the range of application underlies the special consideration by DNV GL in each individual case.

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Page **3 of 3**

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