



**TYPE APPROVAL CERTIFICATE**  
**No. MAC022216XG**

**This is to certify that the product identified below is in compliance with the regulations herewith specified.**

<i>Description</i>	<b>Pipes couplings</b>
<i>Type</i>	<b>Profipress and Profipress XL</b>
<i>Applicant</i>	<b>VIEGA GMBH &amp; CO.KG ENNESTER WEG 9 D-57439 ATTENDORN GERMANY</b>
<i>Manufacturer</i>	<b>VIEGA GMBH &amp; CO.KG</b>
<i>Place of manufacture</i>	<b>ENNESTER WEG 9 D-57439 ATTENDORN GERMANY</b>
<i>Reference standards</i>	<b>Part C, Chapter 1, Section 10 of RINA Rules</b>
<i>Reference documents</i>	<b>RINA Type approval system</b>

*Issued in* **HAMBURG** on **February 9, 2016**. *This Certificate is valid until* **February 8, 2021**

  
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**RINA Services S.p.A.**  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure



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**Profipress and Profipress XL**

### **Reference documents**

General Catalogue IT 631 413-590.01-1/08

TIFQ . Istituto per la Qualità Igienica delle Tecnologie Alimentari  
ATTESTAZIONE DI QUALITA. IGIENICA n° TIFQ- 0914R194

MPA NRW Test Report n° 120004599-2E

### **Materials/Components**

Pipes: thin-walled pipes made of copper according to DIN 1057 Standard.

Fittings: from O.D. 12 up to 54 mm (Profipress):  
Copper and Bronze ( CuZn10Si4MnP ) fittings sealed by EPDM synthetic rubber O-ring.

from O.D. 76.1 up to 108.0 mm (Profipress XL):  
Copper and Bronze (CC499K ) fittings sealed by EPDM synthetic rubber O-ring.

### **Technical characteristics**

Maximum Working Pressure: 16 bar, or  
12 bar for those services where fire resistance is required.

Maximum Working Temperature: 110 °C.

Pipes Dimensions according to the following table:

Pipe external diameter (mm)	Pipe thickness (mm)
12	1.0
15	1.0
18	1.0
22	1.0
28	1.5
35	1.5
42	1.5
54	2.0
64.0	2.0
76.1	2.0
88.9	2.0
108.0	2.5



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**Profipress and Profipress XL**

***Fields of application***

Application of the mechanical joints and their acceptable use for each service are indicated in Table 16, Part C, Chapter 1, Section 10 of RINA Rules. Services where fire resistant type is required are accepted with a reduced design pressure of 12 bar.

Application of the mechanical joints depending upon the class of piping is indicated in Table 17 of a.m. Rules. Particularly press type compression couplings are not allowed on piping systems of I and II Class.

The mechanical joints are not to be used in those systems where pressure pulsation other than water hammer is expected.

***Acceptance conditions***

The acceptance of the a.m. products on board ships and other units classed with RINA is subject to the satisfactory outcome of testing as per RINA Rules.

The installation on board of mechanical joints is to be made in accordance with the Manufacturer's assembly instructions. Where special tools and gauges are required for installation of the joints, these are to be supplied by the Manufacturer.

The gasket (O-ring) material is to be suitable for the conveyed medium.

***Remarks***

This Certificate cancels and replaces the previous n° MAC108613XG/001.

**HAMBURG February 9, 2016**

