

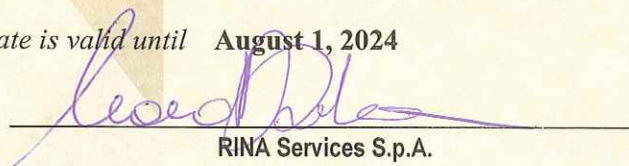


**TYPE APPROVAL CERTIFICATE**  
No. MAC115019CS

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

<i>Description</i>	<b>Filters</b>
<i>Type</i>	<b>Flanged Bronze Strainers "GENOVA" (ART. 2003) "VENEZIA" (ART. 2004)</b>
<i>Applicant</i>	<b>MAESTRINI S.R.L. VIA ZIGNONE, 26 A/B 13017 QUARONA (VC) ITALY</b>
<i>Manufacturer</i>	<b>MAESTRINI S.R.L.</b>
<i>Place of manufacture</i>	<b>VIA ZIGNONE, 26 A/B 13017 QUARONA (VC) ITALY</b>
<i>Reference standards</i>	<b>Part C, Chapter 1, Section 10 of RINA Rules</b>

Issued in **Genoa** on **August 2, 2019**. This Certificate is valid until **August 1, 2024**



RINA Services S.p.A.  
**Marco Dardano**

This certificate consists of this page and 1 enclosure



## TYPE APPROVAL CERTIFICATE

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Flanged Bronze Strainers

### Reference documents

Flanged Bronze strainer model "GENOVA" (code 2003):

Drawings nos. 3-2003 Q-1 PN16, 3-2003 P-1 PN16, 3-2003 M-1 and 3-2003 L-1, approved with nos. PPVT-17064 to PPVT-17067 on 07/10/2013; drawings nos. 2003 and 3-2003 I-1 approved with nos. PPVT-31578 and PPVT-31580 on 31/07/2019.

Flanged Bronze strainer model "VENEZIA" (code 2004):

Drawings nos. 3-2004 Q-1, 3-2004 P-1 and 3-2004 I-1, approved with nos. PPVT-17059, PPVT-17060 and PPVT-17063 on 07/10/2013; drawings nos. 2004, 3-2004 L-1, 3-2004 M-1, 3-2004 R-1 and 3-2004 S-1 approved with nos. PPVT-31579 and nos. PPVT-31581 to PPVT-31584 on 31/07/2019.

Drawing no. 2003-2004 approved with no. PPVT-31577 on 31/07/2019.

### Materials

Bronze CB491K.

### Technical characteristics

Dimensions:

Flanged strainer mod. "GENOVA" (code 2003):

DN 50 (2"), DN 65 (2½"), DN 80 (3"), DN 100 (4") and DN 125 (5")

Flanged strainer mod. "VENEZIA" (code 2004):

DN 50 (2"), DN 65 (2½"), DN 80 (3"), DN 100 (4"), DN 125 (5"), DN 150 (6") and DN 200 (8")

Maximum working pressure: 0,1 MPa (1 bar)

Temperature: ambient

### Fields of application

Refrigerating water piping.

### Tests carried out

Burst tests as per:

- Test Report no. 2012/MI/01/898-1 dated 25/06/2013 of RINA Milan Office.
- Test Report no. 2019/MI/01/504 dated 26/07/2019 of RINA Milan Office.

### Acceptance conditions

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

### Remarks

This Certificate annuls and replaces the previous ones nos. MAC279212CS/001 and MAC279212CS/002 issued on 08/10/2013.

Genoa August 2, 2019

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