



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Maestrini S.r.l.
Address	Via Zignone 26 A/B, Quarona - Vc, 13017, Italy
Type	Bronze Through-Hull Outlet
Description	Art. 2058 Bronze long Through-Hull Outlet Art. 2658 Bronze XL Through-Hull Outlet Art. 2057 Bronze long Through-Hull Outlet w. inclined head Art. 2657 Bronze XL Through-Hull Outlet w. inclined head Art. 2043 Bronze Through-Hull Outlet w. flat head Art. 2052 Bronze Through-Hull Outlet w. reverse-inclined head Art. 2054 Bronze Through-Hull Outlet w. hose tail
Trade Name	Art. 2051 Bronze Through-Hull Outlet
Type	Ball Valves
Description	Art.28900 Full bronze F.F. ball valve "Vittoria" w. polymer ball Art.28920 Full bronze F.F. ball valve "Vittoria" w. flanged body, polymer ball Art.28210 Full bronze F.F. drainable ball valve "Vittoria" w. bronze ball Art.28200 Full bronze F.F. ball valve "Vittoria" w. bronze ball Art.28220 Full bronze F.F. ball valve "Vittoria" w. flanged body, bronze ball

Vahid Saremi Shahab

Piping & Pressure System Lead Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

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Trade Name	Art.28910 Full bronze F.F. drainable ball valve "Vittoria" w. polymer ball
Type	Strainers
Description	Art. 2050 Bronze intake strainer Art. 2064 Bronze round full slot intake strainer w. fixing holes
Trade Name	Art. 2049 Bronze "high flow" intake strainer w. wide slots
Type	Hosetail
Description	Art. 2156 "Roma" Bronze heavy duty male-threaded hosetail
Trade Name	Art. 2156 "Roma" Bronze heavy duty male-threaded hosetail
Application	Marine
Specified Standard	LR Rules and Regulations for the Classification of Ships July 2022 EN ISO 9093:2021
Ratings	Bronze Through-Hull Outlet: DN 1/2" to DN 5" Ball Valves: DN 1/2" to DN 4" Intake Strainers: DN 1/2" to DN 5" Hosetail: DN1/2" to DN 5", hose size 19mm through 127mm

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Other Conditions

- 1- The Products listed under this certificate are to be selected, installed and tested in accordance with the manufacturer's recommendations and Lloyd's Register Rules and Regulations for the Classification of Ships.
- 2- The products listed under this certificate are not approved for fire and flammable services.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document LR2420114TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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