



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	Chibro Srl
Address	via Valtellina, 15, Montano Lucino, Como, 22070, Italy
Type	Pipe Couplings
Description	90/10 Cupronickel Piping System with NBR 'O' rings
Trade Name	Cunipress (press type coupling)
Application	Subject to the conditions stated below, Cunipress pipe fittings may be accepted for use in the following piping systems on ships classed or intended to be classed by Lloyd's Register in Class III piping systems including: <ol style="list-style-type: none">1. Flammable liquids where no dry fire test is required2. Fresh and sea water cooling systems3. Fire Main and deck washing systems permanently filled with water4. wet type sprinkler systems (permanently filled with water)5. bilge systems outside Category A machinery spaces6. ballast systems7. sanitary grey water and black water drainage8. domestic hot and cold fresh and sea water systems.9. refrigeration brine systems10. non-essential oily bilge systems
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships, Part 5,

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Johannes Wiegel

Engineering Piping/Decarbon - Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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Chapter 12, July 2024

Ratings

Nominal outside diameter (mm): 15, 18, 22, 28, 35, 42, 54, 76.1, 88.9, 108
maximum working pressure (bar): 16
maximum temperature (°C): 95

maximum insertion lengths (mm):

pipe diameter (mm)	15	18	22	28	35	42	54	76.1	88.9	108
Insertion length (mm)	21	22	23	24	28	32	36	58	62	78

Other Conditions

1. Pipes and fittings are to be selected and installed in accordance with the manufacturer's instructions and recommendations and LR Rules for Ships, Part 5, Chapter 12, sections 2.12 and Table 12.2.7.
2. Where pipes penetrate watertight bulkheads or decks, the penetrations is to be approved in each individual case.
3. The pipe couplings are not to be used in systems, which are subject to pulsation or pressure shocks.
4. The pipe couplings are not tested for axial loading (pull-out test), the pipes are to be suitably supported and anchored.

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.

Previous Version: 98/00132(E5)

The Design Appraisal Document TSO/23-002641-P and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Appendix

PLACE OF PRODUCTION

Chibro S.r.l.
Via Valtellina 15
22070 Montano Lucino (CO)
Italia

