

## 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:** Raccorderie Metalliche SPA

**Address:** Strada Sabbionetana 59, Campitello Di Marcaria M, 46010, Italy

**Type:** Pipe Press Fitting System

**Description:** Stainless steel 1.4404 (AISI 316L) and Copper alloy CuNiFe 1.6Mn pressfitting systems with elastomer sealing rings

**Trade Name:** Inoxpres and Marinepres

**Application:** As piping components in Class III - piping systems on ships classed or intended for Classification with Lloyd's Register

**Specified Standard:** LR Rules and Regulations for the Classification of Ships, 2022

**Ratings:** Sizes: 15, 18, 22, 28, 35, 42, 54, 76.1, 88.9, 108mm

O- Ring Material	PN (Bar)	Temperature Range (°C)
EPDM	16	-20° TO +120°
NBR	5	-20° TO +70°
FKM	16	-20° TO +220°
SILICONE	16	-20° TO +180°

**Other Conditions:** In piping systems where an approved fire-resistant type is required, for Inoxpres only EPDM and VMQ sealing rings and for Marinepres only FKM and VMQ sealing rings are permitted. Inoxpres and Marinepres are approved for wet and dry fire-fighting applications.

For essential piping systems the pipe thicknesses are to be not less than required according to the applicable Rules. The materials of the press fit system are to be compatible with the piping material, internal and external media.

Installation is to be in accordance with the manufacturer's instruction and recommendations.

For deck and bulkhead penetrations see also the requirements of National Authorities.

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:** 15/20055 (E1) and LR22130438TA

The Design Appraisal Document LR23190401DA and its supplementary Type Approval Terms and Conditions form part of this Certificate.