



Lloyd's
Register

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.

This certificate supersedes certificate number 15/20055 issued on 19.06.2015 which is hereby cancelled.

This certificate is issued to:

PRODUCER	Raccorderie Metalliche S.p.A Strada Sabbionetana, 59 46010 - Campitello di Marcaria MN Italy
DESCRIPTION	Stainless steel 1.4404 (AISI 316L) and Copper alloy CuNiFe1.6Mn pressfitting systems with elastomer sealing rings
TYPES	Inoxpres and Marinepres
APPLICATION	As piping components in Class III - piping systems on ships classed or intended for Classification with Lloyd's Register. <u>Restrictions:</u> <ol style="list-style-type: none">1. Starting/control air and CO2 systems.2. Inside machinery spaces of category A or accommodation spaces for main lines of inert gas systems.3. Fire main, water spray or sprinkler systems which are not always filled with water.4. Bilge lines in high fire risk compartments5. Scupper pipes below freeboard deck over board
Certificate No.	15/20055 (E1)
Issue Date	26 October 2018
Expiry Date	1 May 2023
Sheet	1 of 2



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Hamburg Technical Support Office
Lloyd's Register EMEA

LR031.1.2016.06

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RATINGS

Sizes DN [mm]: 15, 18, 22, 28, 35, 42, 54, 76.1, 88.9, 108

O-Ring Material:	PN: [bar]	Temperature range: [°C]
TIMO-70 EPDM	16	-20 to +120
TEC N31-70 NBR	5	-20 to +70
FKM AL V.70	16	-20 to +220
VMQ S2-70 Silicone	16	-20 to +180

OTHER CONDITIONS

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.

STANDARDS

LR Rules and Regulations for the Classification of Ships, 2018

"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 No. HTS/ENS 32818-15, Issue 1 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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