



Confirmation of Product Type Approval

Company Name: RACCORDERIE METALLICHE SPA

Address: STRADA SABBIONETANA, 59 CAMPITELLO DI MARCARIA (MANTOVA) 46010 Italy

Product: Piping System and Fittings

Model(s): MARINEPRES

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	26-0656341-PDA	08-JUL-2026	07-JUL-2031
Manufacturing Assessment (MA)	25-6899649	13-MAR-2025	26-APR-2030
Product Quality Assurance (PQA)	NA	NA	NA

Tier

2 - PDA Issued

Intended Service

Installation on board ships and offshore unites in the following systems: fresh and sea water cooling, deck washing, sprinkler, ballast, bilge, sanitary fresh and sea water.

Description

CuNiFe piping system and fittings with integral O-ring seal.

Ratings

Pipe sizes OD x t [mm]: 15 x 1.0, 18 x 1.0, 22 x 1.0, 28 x 1.5, 35 x 1.5, 42 x 1.5,

54 x 1.5, 76.1 x 2.0, 88.9 x 2.0, 108 x 2.5.

Design Pressure: 16 bar

Design Temperature: dep. on sealing (see comments).

Service Restrictions

Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Only MVQ O-ring type is to be used where fire endurance is required. The compression couplings cannot be used for gaseous media services.

Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Each particular application, including deck/bulkhead penetrations of the press fitting system is to be specifically approved in connection with the relevant system and installation.

The manufacturer's instructions regarding compatibility of pipe/fitting/sealing ring materials and working media are to be followed.

Manufacturer recommended O-ring seals:

EPDM -20 C deg to 120 C deg (up to 16 bar)

NBR -20 C deg to 70 C deg (up to 5 bar)

FKM -20 C deg to 220 C deg (up to 16 bar)

FKM -20 C deg to 220 C deg (dedicated also for fire test (up to 16 bar).

MVQ -20 C deg to 180 C deg

Only FKM O-ring type is to be used where fire endurance is required.

Fittings are pressed (crimped) in place by means of pressing tool according to Manufacturer's Technical Handbook.

Notes, Drawings and Documentation

Fire test report by RINA no. 2020CS01679-1 dated 1 Apr 2000, issued by RINA Services Spa

Fire test report by RINA no. 2020CS01679-2 dated 1 Apr 2020, issued by RINA Services Spa

Fire test report by RINA no. 2020CS01679-3 dated 1 Apr 2000, issued by RINA Services Spa

Fire test report by RINA no. 2020CS01679-4 dated 1 Apr 2000, issued by RINA Services Spa

Fire test report by RINA no. 2020CS01679-5 dated 8 Apr 2000, issued by RINA Services Spa

Fire test report by RINA no. 2020CS01679-6 dated 8 Apr 2000, issued by RINA Services Spa

Fire test report by RINA no. 2020CS01679-7 dated 8 Apr 2000, issued by RINA Services Spa

Fire test report by RINA no. 2020CS01679-8 dated 8 Apr 2000, issued by RINA Services Spa

Drawing No. Marinepres Product Range

Drawing No. SAG 76-108-2

Drawing No. SAG15-54-2

Drawing No. TTR_additional information_vibr+pulspress_marinepres

Drawing No. TTR_additional information_vibr+pulspress_marinepres2

Fire Test report no 1511/13/AC from LAPI dated 24 Oct 2013

Fire Test report at LAPI dated 29 Oct 2013

Test Report no 1102526-001 from TTR Institute dated 12 Nov 2013

Vibration+Pulsation Test report at TTR dated 10 Oct 2013

Test Report no 11729 rev. 0 from CETENA dated 25 Oct 2013

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 07/Jul/2031 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

2026 Rules for Conditions of Classification, 1A-1-4/7.7 & 1A-1 Appendix 3 and 4, which covers the following:

2026 Rules for Building and Classing Marine Vessels, 4-6-2/5.9

2026 Rules for Conditions of Classification - Mobile Offshore Units, 1B-1-4/9.7 & 1B-1 Appendix 2 and 3, which covers the following:

2026 Rules for Building and Classing Mobile Offshore Units, 4-2-1/11

International Standards

NA

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



Michael R. Kiesel

ABS Programs
American Bureau of Shipping
Print Date and Time: 10-Sep-2026 7:06

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS

Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.