

Company Name Details

Company Information	Additional Company / Plant Detail	Confirmation of Type Approval
CHIBRO SRL VIA VALTELLINA, 15 MONTANO LUCINO 22070 Italy Tel +39-031-47818000 Fax +39-031-541411 Email: chibro@bonomi.it Website: www.chibro.it		This product doesn't have a Confirmation of Type Approval.

Certificate Number	Category	Expiry Date

Product Piping System and Fittings

Model Cunipress System

Endorsements

Tier 2 - PDA Issued

Intended Service For Marine and Offshore Applications in the following systems: Fresh and sea water cooling, fire main, deck washing, sprinkler, ballast, bilge, sanitary fresh and sea water, potable water, brine and compressed air.

Description Copper Nickel 9/10 (UNS C 70600) pipes and fitting system with integral O-ring seal of NBR rubber; pipe sizes (OD x t) 15 x 1, 18 x 1, 22 x 1, 28 x 1.5, 35 x 1.5, 42 x 1.5, 54 x 1.5, 76.1 x 2, 88.9 x 2, 108 x 2.5.

Ratings Maximum Design Pressure: 13 bar; Maximum Design Temperature: 95 °C (continuous), 110 °C (peak)

**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.

Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
Installation procedure to be in accordance with Manufacturer's Catalog March 2015 Edition - Application limited to systems where pressure pulsation other than water hammer is not expected.

**Notes, Drawing and
Documentation**

Drawing No. 001, Catalog 2015, Revision: 1, Pages: 45
Drawing No. 003, Test list, Revision: 1, Pages: 1
Test report No. 2012CS012653/1, FIRE RESISTANCE TEST D15, Revision: 1, Pages: 6, Dated 6 Sep. 2012 at Test Lab. of RINA Genova
Test report No. 2012CS012653/2, FIRE RESISTANCE TEST D54, Revision: 1, Pages: 6, Dated 6 Sep. 2012 at Test Lab. of RINA Genova
Test report No. 2012CS012653/2, FIRE RESISTANCE TEST D108, Revision: 1, Pages: 6, Dated 6 Sep. 2012 at Test Lab. of RINA Genova
Test report No. 1T, Pages: 7, Revision 1 Dated 27 Feb. 2008 at CHIBRO S.p.A. Via privata Burgo, 47 Maslianico (CO)
Test report No. 2T, Revision: 1, Pages: 13, Dated May 2009 at CETENA
Test report No. 5T, Revision: 1, Pages: 10, Dated 05 May 2008 at Marina militare La Spezia
Test report No. 6T, Revision: 1, Pages: 40 Dated 6 Mar 1998 at RINA
Test report No. 9T, Revision: 1, Pages: 4 Dated 18 Jul 1997 at FINCANTIERI
Test report No. 10T, Revision: 1, Pages: 30 Dated 09 Oct. 2008 at RINA
Test report No. 12T, Revision: 1, Pages: 9 Dated 14 Dec. 2005 at CHIBRO S.p.A
Test report No. 13T, Revision: 1, Pages: 5 Dated 28 June. 2007 at CHIBRO S.p.A
Test report No. 16T, Revision: 1, Pages: 13 Dated 17 June. 2009 at CHIBRO S.p.A
Test report No. 17T, Revision: 1, Pages: 2 Dated 08 Jul. 2010 at Technical Center for Ships and Naval Weapons
Test report No. 18T, Revision: 1, Pages: 2 Dated 08 Jul. 2010 at Technical Center for Ships and Naval Weapons
Test report No. 19T, Revision: 1, Pages: 2 Dated 08 Jul. 2010 at Technical Center for Ships and Naval Weapons
Test report No. 29T, Revision: 1, Pages: 12 Dated 28 Nov. 2008 at QINETIQ

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 06/Nov/2028 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 for Conditions of Classification (2023) 1-1-4/7.7, 1-1-A3 and A4, which covers the following:

2023 Rules for Building and Classing Marine Vessels 4-6-2/5.9

ABS Rules for Conditions of Classification - Offshore Units and Structures (2023): 1.1.4/9.7, 1-1-A2 and A3, which covers the following:

ABS Rules

2023 Rules for Building and Classing Mobile Offshore Units: 4-2-1/11.13

National Standard NA

International Standard NA

Government Standard NA

EUMED Standard NA

Others Standard NA

Model Certificate	Model Certificate #	Issue Date	Expiry Date
PDA	23-2467870-PDA	07-NOV-2023	06-NOV-2028