



Confirmation of Product Type Approval

Company Name: ROXTEC INTERNATIONAL AB

Address: ROMBVAGEN 2 SE 371 65 Sweden

Product: Deck and Bulkhead, Watertight Seal, Pipes and Cables

Model(s): Roxtec CHP 150/4 and CHP R 75

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	19-HS1940193-PDA	13-JAN-2020	12-JAN-2025
Manufacturing Assessment (MA)	18-GB3595269	07-DEC-2018	08-JAN-2024
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Penetrations of watertight bulkheads and decks up to the specified pressure.

Description

Roxtec pipe and cable sealing system.

Ratings

Watertight test tested at 14 bar for a duration of 52 hours & 12.75 bar for a duration of 169 hours.

Service Restrictions

a) Not for use on fire-resisting bulkhead and deck divisions

b) Not for use in tank boundaries

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

Comments

a) After installation, all watertight cable penetrations are to be visually examined and tested as per ABS Marine Vessels Rules 4-8-4/29.15 and 3-7-1/3.5.7 TABLE 1

b) When requested to be used in watertight bulkheads on passenger ships or special purpose ships, the penetration system has to comply with the requirements given in SOLAS Ch. II -1 Reg. 13.2.3 (2009 or latest issue). This approval of penetrations passing through watertight bulkhead is not to be construed as

a substitute for flag Administration's approval for the purpose of SOLAS (Consolidated Edition 2014), as amended

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

d) All seal types should be installed in accordance with manufacturer's ABS approved installation drawings S1018766 and S1018976.

Notes, Drawings and Documentation

Supporting Documentation:

Test Reports:

Pressure Test Report at ROXTEC No. 10894 witnessed by ABS tested 08 December to 10 December 2009, Sheets: 8;

Pressure Test Report at ROXTEC No. 10894-1 witnessed by ABS tested 08 December to 15 December 2009, Sheets: 9;

ABS Inspection Report No. GB 1764683 dated 26 January 2010, Sheet: 1;

ABS Inspection Report No. GB 1768476 dated 26 January 2010, Sheet: 1;

Drawings:

Drawing No. S1018766, CHP-150/4 Assembly, Revision: B, Date: 2009-11-04, Sheet: 1;

Drawing No. S1018976, CHP-R 75 Assembly, Revision: -, Date: 2009-11-25, Sheet: 1;

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 12/Jan/2025 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

Rules for Conditions of Classification, Part 1 - 2020: 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2020 Marine Vessels Rules 4-6-2/9.7, 4-6-3/7.11, 4-8-1/5.3.1

Rules for Conditions of Classification, Part 1 - 2020 Offshore Units and Structures, 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2020 Mobile Offshore Units Rules 4-2-1/11.15

2020 Rules for Building and Classing Facilities on Offshore Installations 3-8/9.13 & 4-8/9.13

International Standards

NA

EU-MED Standards

NA

National Standards

Regulations under Canada Shipping Act, 2001 (2001, c.26):

Marine Machinery Regulations (SOR/90-264) Schedule XV/Part I/Section 4/Division II/Item 77 and Schedule IX/Part I/Section 4/Division II/Item 16;

Government Standards

NA

Other Standards

NA



A handwritten signature in black ink, appearing to read 'James W. ...'.

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 20-Dec-2021 7:35

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.