



CERTIFICATE NUMBER
EFFECTIVE DATE
EXPIRY DATE
ABS TECHNICAL OFFICE

22-2244590-PDA
22-Apr-2022
21-Apr-2027
Houston ESD - Piping

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

VICTAULIC COMPANY

located at

4901 KESSLERSVILLE ROAD, , EASTON, PA, United States, 18040

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Pipe Fittings
Model: Fittings: No.10, 11, 12, 13, 20, 25, 50, 60 & 732
Endorsements:
Tier: 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 21/Apr/2027 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.

American Bureau Of Shipping

Jingdong Sheng, Senior Managing Principal Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

VICTAULIC COMPANY

4901 KESSLERSVILLE ROAD

EASTON PA

United States 18040

Telephone: 610-559-3300

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Email: pickvic@victaulic.com

Web: www.victaulic.com

Tier: 3 - Type Approved, unit certification not required

Product: Pipe Fittings

Model: Fittings: No.10, 11, 12, 13, 20, 25, 50, 60 & 732

Endorsements:

Intended Service:

Marine & Offshore Applications - For Fresh, Sea Water Cooling, Bilge, Ballast, Fire Mains, Water Spray and Sprinkler Application, Compressed Air, Sanitary, Potable Water Systems & in Vents, Overflows & Sounding Piping

Description:

Grooved End Fittings:

No.10, 90 ° Elbows;

No.11, 45 ° Elbows;

No.12, 22½ ° Elbows;

No.13, 11¼ ° Elbows;

No.20, Tees;

No.25, Reducing Tees, Grooved Branch;

No.50, Concentric Reducers;

No.60, Caps;

Style 732, Wye Type Vic Strainer.

Rating:

See attached "pdf" for Sizes & Pressure (PSI/BAR).

Service Restriction:

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.

For General Shipboard Service to be in accordance with Part 4 Sections 6 & 9 of the Marine Vessel Rules:

1. Fresh Water System - in accessible locations only;
2. Sea Water Cooling Systems - in accessible locations only and inboard of required shell valves or where shell valves (or the equivalent) are not required;
3. Bilge Pipes - in accessible locations only & not in cargo holds or deep tanks;
4. Ballast Systems - in accessible locations only or when the pipelines pass through other ballast tanks; They are also acceptable on tankers for clean ordinary ballast lines provided the lines terminate in the pump room;
5. Fire Mains, Water Spray and Sprinkler Applications;
6. Compressed Air Systems - in accessible locations;
7. Sanitary Systems - in accessible locations only and inboard of required shell valves;
8. Acceptable in Vents, Overflows & Sounding pipes in accessible locations provided they are not located in such a position that subsequent leakage would create hazards by way of fire, damage to electrical systems or cargo and by the release of noxious or toxic vapors in enclosed spaces;
9. Potable Water Systems - in accessible locations;
10. The components are to be installed in a location where leakage would not create a hazard by way of damage to electrical systems or otherwise create a hazard to the vessel, equipment or personnel onboard;
11. The components and gaskets (Victaulic Gasket Selection Data 05.01) are to be installed in accordance with the manufacturer's recommendation / limitations / requirements.

Comments:

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. The Pressure Ratings are based upon connecting of subject components with at least Standard Steel Piping (ASTM A-53 & 106). Materials of components is ASTM A-536;

Notes/Drawing/Documentation:

Drawing No. Correspondence, PDA Application, Revision: -, Pages: 4

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Drawing No. Summary, Summary, Revision: -, Pages: 2

Drawing No. Declaration of Conformity, Revision: -, Pages 7

See attachment for full Document List

Terms of Validity:

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STANDARDS**ABS Rules:**

Rules for Conditions of Classification, Part 1 - 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:
2022 Marine Vessel Rules: 4-6-2/5.5, 4-6-2/5.9;

Rules for Conditions of Classification, Part 1- 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:
2022 Mobile Offshore Unit Rules: 4-2-1/11.13

National:

NA

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA