



CERTIFICATE NUMBER
17-HS1675469-PDA

DATE
20 Oct 2017

ABS TECHNICAL OFFICE
Houston ESD - Piping

CERTIFICATE OF DESIGN ASSESSMENT

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

ADVANCE PRODUCTS & SYSTEMS, INC.

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: **Shielding, oil from source of ignition**

Model: **Style, T, Style TP, Style TC, & Style TC-D Teflon Spray Shields**

This Product Design Assessment (PDA) Certificate 17-HS1675469-PDA, dated 20/Oct/2017 remains valid until 19/Oct/2022 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Tim Kimble
Engineer/Consultant

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 the terms and conditions as contained in ABS Rules 1-1-A3/5 9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

ADVANCE PRODUCTS & SYSTEMS

108 ASSET AVE.

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Web: www.apsonline.com

Tier: 2 - PDA Issued

Product: Shielding, oil from source of ignition

Model: Style, T, Style TP, Style TC, & Style TC-D Teflon Spray Shields

Intended Service:

Marine & Offshore Application - For preventing splash of flammable fluid from pipe line including flanges and joints for ships and offshore application.

Description:

Wrap around/tie down type Flange Covers with a replaceable "pH Patch" leak indicator, secured by hook & loop fasteners and a pair of tie down cords. Fabricated from PTFE (Teflon) coated woven fiberglass cloth.

Rating:

Sizes: ½" to 48" (Custom Shields available upon request);

Maximum Temperature Resistant: 450°F

Maximum Pressure Resistant:

Style T/TP: 1,650 psi

Style TC/TC-D: 1,000 psi

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.

Comments:

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

Notes/Drawing/Documentation:

Supporting Data:

APS Brochure Safety Spray Shields dated 1/21/16

APS Specifications Style "TP" Premium PTFE Spray Shield, Rev 071317

APS Specifications Style "TC-D" Clear PTFE W/Drain Nipple Shield, Rev 071317

APS Specifications Style "TC" Clear PTFE Spray Shield, Rev 071317

APS Specifications Style "T" PTFE Spray Shield, Rev 071317

Terms of Validity:

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STANDARDS

ABS Rules:

Rules for Conditions of Classification, Part 1, 2017 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4;

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2017 Rules for Building and Classing Steel Vessels, 4-6-5/3.3.6, 3.3.7, & 3.7.2, 4-6-4/13.3.3, 4-2-1/11.9
Rules for Conditions of Classification, Part 1, 2017 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3;
2017 Rules for Building and Classing Mobile Offshore Drilling Units Part 4-2-3/3.3.3, 4-2-5/7.9

National:

NA

International:

SOLAS Consolidated Edition 2014, Chapter II-2, Part B, Regulation 4/2.2.5.3

Government:

NA

EUMED:

NA

OTHERS:

Advance Products & Systems (APS) processes and procedures, see section: Notes, Drawings, and Documentation.