



Confirmation of Product Type Approval

Company Name: A-T CONTROLS

Address: 9955 INTERNATIONAL BOULEVARD OH 45246 United States

Product: Valve, Resilient Seated Butterfly Valves

Model(s): AS Series

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	20-2061450-PDA	10-DEC-2020	09-DEC-2025
Manufacturing Assessment (MA)	17-JE3356753	19-JUL-2017	20-AUG-2022
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Marine and Offshore Applications in Water, Oil, Gas, Steam

Description

PFA Lined Butterfly Valves, sizes 2" - 24", Lug or Wafer

Material:

Body: ASTM A216 GRADE WCB/ ASTM A351 GRADE CF8M

Disc: PFA/ASTM A351 GRADE CF8/CF8M

Seat: PTFE

Stem:17-4 PH

Ratings

Pressure:150 Psi

Temperature: -20 F to 355 F

Size: 2" - 24"

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

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. This certificate may not be used for EU and US flagged vessels (if MED and/or USCG have their own specific/requirements).
3. For marine vessels, all valves are to bear permanent identification, such as manufacturer's name or trademark, standard of compliance, material identity, pressure rating, etc., as required by the standard of compliance or the manufacturer's specification. Such markings may be cast or forged integral with, stamped on, or securely affixed by nameplate on the component, and are to serve as a permanent means of identification of the component throughout its service life.
4. For mobile offshore units, all valves are to be subjected by the manufacturer to a hydrostatic test at a pressure equal to that stipulated by the American National Standards Institute or other recognized standard. They are to bear the trademark of the manufacturer legibly stamped or cast on the exterior of the valve and also the primary pressure rating at which the manufacturer guarantees the valve to meet the requirements of the standards.
5. For marine vessels, all valves intended for installation on the side shell at or below the deepest load waterline, including those at the sea chests, are to be hydrostatically tested in the presence of the Surveyor before installation. Test pressure & holding time are to comply with 4-6-2/7.3.2 of Marine Vessel Rules.
6. Wafer-style valves with non-conductive gaskets seals are to be earthed (grounded) to the hull such that the resistance between any point on the piping and the hull (across joints, pipe to hull) does not exceed 1 mega-ohm.

Notes, Drawings and Documentation

AS Series Installation and Operation Manual/ AS Series Product Catalog /P02427 Rev. A "AS Series Catalog Drawing"/ P02575 Rev. B "AS Series Minimum Wall Thickness Drawing"/ TR00196 "Series AS CRN Report (Calculations)"

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 09/Dec/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

2020 Marine Vessels Rules: 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-6-2/5.11, 4-6-2/5.15

2020 Offshore Mobile Units Rules: 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-2-2/9.1.2

International Standards

NA

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read "James J. White".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 16-Dec-2020 8:33

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.