



Confirmation of Product Type Approval

Company Name: A-T CONTROLS

Address: 9955 INTERNATIONAL BOULEVARD OH 45246 United States

Product: Valve, High Performance Butterfly

Model(s): P1S Series, P1F Series, P1M Series, P1H Series

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	19-HS1923306-PDA	13-DEC-2019	12-DEC-2024
Manufacturing Assessment (MA)	17-JE3356753	19-JUL-2017	20-AUG-2022
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3

Intended Service

Marine & Offshore Applications.

Description

1. Type

1.1. P1S: soft seat

1.2. P1F: fire safe seat design

1.3. P1M: metal seat design for specialized applications

1.4. P1H: metal seat design for high temperature

2. Connection: Wafer, Lug

3. Sizes: 2 in to 48 in for Class 150, 2 in to 24 in for Class 300.

4. Material

Note: The materials below are standard, other materials are available in the P1 High Performance Brochure.

4.1. Body: A216 Gr. WCB, A351 Gr. CF8M

4.2. Disc: A351Gr. CF8M

4.3. Seat: P1S - G2TFE, P1F - G2TFE/316L SST, P1M - 316L SST, P1H - Inconel 625

4.4. Shaft: 17-4 PH

Ratings

ANSI Class 150: Valve Sizes 2 in to 48 in

ANSI Class 300: valves Sizes 2 in to 24 in

P1F: API 607, P1M: API 6FA

Service Restrictions

1. 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.
2. Wafer type butterfly valves are not to be used as shell valve in accordance with 4-6-2/9.13.2 ii) of Marine Vessels Rules/Steel Vessels Rules.
3. P1F (Tested in accordance with API 607 7th edition), P1M (Tested in accordance with API 6FA, 4th edition), P1H (Metal seat design with Inconel 625) valves may be utilized in restricted service systems such as fire main, fuel oil and lube oil tank shut-off valves, and with oil tank remote closing systems.

Comments

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. All valves are to bear permanent identification, such as the manufacturer's name or trademark, material identify, pressure rating, etc. at which the manufacturer guarantees the valves to meet the requirements of the manufacturer's standards. 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 in accordance with 4-6-1/7.1.3 and 4-6-1/7.1.4 of Marine/Steel Vessels Rules.

Notes, Drawings and Documentation

Drawing no. P1M-L1-0200-66C-XAG, API 6FA Fire Test - 2 in HPBFV Lug Style, Class 150, Dates: April 18, 2019

Drawing no. P1MC-L1-0200-66C-XAG, API 6FA Fire Test - 2 in HPBFV, P1M Series, Class 150, Dates: Dec 28, 2018

Drawing no. P1MC-L1-0300-66C-XAG, API 6FA Fire Test - 3 in, P1M Series, Class 150, Dates: June 8, 2018

Drawing no. P1MC-L1-0800-66C-XAG, API 6FA Fire Test - 8 in, P1M Series, Class 150, Dates: Dec 28, 2018

Drawing no. P1MC-L1-1600-66C-XAG, API 6FA Fire Test - 16 in HPBFV, P1M Series, Class 150, Dates: Dec 11, 2018

Drawing no. 218181-12-28-2018, API 6FA Fire Test P1M 0800 certificate, API 607 Fire Test Report - 3 inch Class 150

Drawing no. P1FC-L1-0300-F6C-XAG, API 607 Fire test - 3 in HPBV, Class 150, Dates: June 8, 2018

Drawing no. P1FC-L1-0800-F6C-XAG, API 607 Fire Test Report - 8 in HPBFV Lug Style, P1F Series - Dec 20 2018

Drawing no. P1F-L1-0800-F6C-XAG, API 607 Fire Test Report - 8 in HPBFV (SS) P1F Series - Mar 2019

Drawing no. IOM08072, Installation & Maintenance Manual, Dates: October 3, 2019

Drawing no. HPBV-P1-Brochure, Manual and Automated High Performance Butterfly Valves

Drawing no. 0425 ATEX 2568, A-T-CONTROLS INC Power Seal Butterfly Valve

Drawing no. P02600, HPBFV Series P1 Wafer Dimension, Rev. A

Drawing no. P02601, HPBFV Series P1 Lug Dimension, Rev. A

Drawing no. TR00205, P1 CRN Report and Calculation, Dates: Dec 06, 2019

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 12/Dec/2024 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

The Rules for Conditions of Classification, 2019, 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:
Marine Vessels Rules/Steel Vessels Rules:4-6-2/ 5.11;

The Rules for Conditions of Classification, 2019 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

Mobile Offshore Unit/Mobile Offshore Drilling Units : 4-2-2/9.1.1.

International Standards

NA

EU-MED Standards

NA

National Standards

ASME B16.34 - 2017

ASME B16.5 - 2017

ASME B16.47 - 2017

ASME B16.10 - 2017

API 607, 7th edition

API 6FA, 4th edition

Government Standards

NA

Other Standards

NA



A handwritten signature in blue ink, appearing to read "Joseph W. ...".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 07-Feb-2020 2:11

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.