



Confirmation of Product Type Approval

Company Name: A-T CONTROLS

Address: 9955 INTERNATIONAL BOULEVARD OH 45246 United States

Product: Valve, Ball

Model(s): Series 30, 31, 33, 43, 53 and Fire Safe Valves Series F88, FD9

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	20-HS1945233-PDA	05-FEB-2020	04-FEB-2025
Manufacturing Assessment (MA)	17-JE3356753	19-JUL-2017	20-AUG-2022
Product Quality Assurance (PQA)	NA	NA	NA

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Intended Service

Marine & Offshore Applications.

Description

Series 30: Size 1-1/2" -12", 316 SST or WCB, Three Way Flanged Ball Valve Full Port ANSI Class 150 and 300

Series 31: Size 1-1/2" - 6", Three Way Flanged Ball Direct Mount Ball Valve ANSI Class 150 and 300

Series 33, 43 and 53: Size 1/4"-4", Direct Mount Multi-Port 3, 4 and 5-Way Ball Valves High performance, NPT, Socket weld, Butt Weld, Flanged, Sanitary, Direct Mount.

F88 Series: Size 1/4" - 4", Firesafe, 3-piece High Performance Direct mount

FD9-F1 & F3 Series: Size 1/2"-6", Firesafe, Direct Mount 150# and 300# Flanged

2-piece full port;

Ratings

Series 30: Class 150 and 300

Series 31: Class 150 and 300

Series 33, 43 and 53: Pressure Rating by size, 1000 PSI (1/4"-1"), 800 PSI (1-1/4 -2"), 600 PSI (2-1/2:-3"), 300 PSI (4")

F88 Series: Firesafe, Class 254 to 600

FD9-F1 & F3 Series: Firesafe, Class 150 and 300

Service Restrictions

- 1) Unit certification is not required for this product.
- 2) Socket welded joints where used in Classes I and II Piping Systems, are to be subjected to the limitations in 4-6-2/5.5.2 of the Marine Vessels Rules.
- 3) Threaded joints where used in Classes I and II Piping Systems, are to be subject to the limitations in 4-6-2/5.5.5 of the Marine Vessels Rules.
- 4) Only 'Fire Safe' Valves Series F88 , FD9 (tested in accordance with API 607 6th Edition) may be utilized in restricted service systems such as firemain, 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 the Marine Vessel Rules.
- 3) Requirements for welding of the socket welded type valves are to comply with Section 2-4-4, as appropriate, in accordance with 4-6-2/7.1 of the Marine Vessel Rules.
- 4) The valves are to be provided with indicators to show the position (i.e. one or closed) of the valve in accordance with 4-6-2/5.11.3a) of the Marine Vessel Rules.

Notes, Drawings and Documentation

Drawing No. P1030 Rev.0 30 Series SST / Carbon Steel Three-Way Ball Valve

Drawing No. PO3168 Rev.0 30-F1 Body and Flange Dimensions

Drawing No. TR00315 Rev.0 Series 30-F1 ABS Report - Calculations

Drawing No. PO2524 Rev.B Series 31 Direct Mount Dimensional and Bill of Materials Drawing for 1 1/2" - 6" Class 150 3-way Valve SST and Carbon Steel

Drawing No. PO2525 Rev.B Series 31 Direct Mount Dimensional and BOM Drawing

Drawing No. TR00316 Rev.0 Series 31 ABS Report - Calculations

Drawing No. P1038 Rev.A 33 Series Dimensional Drawing and BOM 3" and 4"

Drawing No. P1042 Rev.A Series 33/43/53 Multiport Valve 1/4" - 2 1/2" Dimensional Drawing and BOM

Drawing No. P03012 Rev.0 33/43/53 Series Body Dimensional Drawing

Drawing No. P03038 Rev.0 33/43/53 Series TH / BW / SW Dimensional Drawing

Drawing No. TR00317 Rev.0 Series 33/43/53 ABS Report - Calculations

Drawing No. P1048 Rev.0 F88 Series (Firesafe) Dimensional Drawing and BOM

Drawing No. P03018 Rev.0 88 Series Dimensional Drawing

Drawing No. TR00312 Rev.0 Series F88 ABS Report - Calculations

Drawing No. P1034 Rev.0 FD9-F1 Series Dimensional Drawing 3" - 8"

Drawing No. P1035 Rev.0 FD9-F1 Series Dimensional Drawing (up to 2 1/2")

Drawing No. P03040 Rev.0 D9-F1 and FD9-F1 Body / End Cap Dimensional Drawing

Drawing No. TR00313 Rev.0 FD9-F1 ABS Report - Calculations

Drawing No. P1128 Rev.0 FD9-F3 Series Dimensional Drawing and BOM

Drawing No. P03041 Rev.0 D9-F3 and FD9-F3 Dimensional Drawing

Drawing No. TR00314 Rev.0 FD9-F3 ABS Report - Calculations

A-T Controls 30-F1 Brochure

A-T Controls 31-F1 Brochure

A-T Controls 31-F3 Brochure

A-T Controls 33/43/53 Brochure

A-T Controls F88 Brochure

A-T Controls FD9-F1 Brochure

A-T Controls FD9-F3 Brochure

Drawing No. 30-F1 Series MTR / API 598 10th Ed test results, A-T Controls, dated 06 Oct. 2019

Drawing No. 31-F1 MTR / API 598 10th Ed test results, A-T Controls, dated 112 Dec. 2019

Drawing No. 31-F3 MTR / API 598 10th Ed test results, A-T Controls, dated 16 Apr. 2019

Drawing No. 33/43/53 MTR / API 598 10th Ed test results, A-T Controls, dated 17 Oct 2019

Drawing No. F88 MTR / API 598 10th Ed test results, A-T Controls, dated 11 Nov 2019

Drawing No. FD9-F1 / F3 MTR / API 598 10th Ed test results, A-T Controls dated 11 Nov 2019

Part number cross-reference list

BV Certificate of Inspection No. TP112005-2, F88 API 607 6th Ed.Cert WCB, dated 08 Feb. 2012

BV Certificate of Inspection No. TP111145-2, F88 API 607 6th Ed Cert CF8M, dated 02 Dec. 2011

Metal Industries and Development Center Test No.10012001-2, TW-084F/ F88 API 607 6th Ed Fire Test Report CF8M, dated 09 Dec. 2011

Metal Industries and Development Center Test No.10102001, TW-084F/ F88 API 607 6th Ed Fire Test Report WCB, dated 04 Feb. 2012

BV Certificate of Inspection No.TP113040, FD9-F1/F3 API 607 6th Ed Cert WCB 6"-12", dated 21 Mar. 2013

BV Certificate of Inspection No.TP112075, FD9-F1/F3 API 607 6th Ed Cert WCB DN15-DN-100, dated 27 Sep 2012

BV Certificate of Inspection No.TP113089-2, FD9-F1/F3 API 607 6th Ed Cert CF3M DN15-DN100, dated 16 Aug 2013

Metal Industries and Development Center Test No.10109026, FD9-F1/F3 API 607 6th Ed Fire Test Report WCB, dated 25 Sep 2012

Metal Industries and Development Center Test No.10208017-1, FD9-F1/F3 API 607 6th Ed Fire Test Report CF3M, dated 23 Aug 2013

Metal Industries and Development Center Test No.10203038, FD9-F1/F3 6"-12" API 607 6th Ed Test Report WCB, dated 25 Mar 2013

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 04/Feb/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

The Rules for Conditions of Classification, 2020, 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:
Marine Vessels Rules:4-6-2/ 5.11;

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

Mobile Offshore Units Rules: 4-2-2/9.1.1.

International Standards

NA

EU-MED Standards

NA

National Standards

ASME B16.34 - 2017

ASME B16.5 - 2018

ASME B16.10 - 2017

ASME B16.25 - 2017

ASME B1.20.1- 2013(R2018)

ASME B16.11- 2017

API 607, 7th edition

API 598, 10th edition

Government Standards

NA

Other Standards

NA





Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 06-Feb-2020 8:12

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.