



CERTIFICATE NUMBER  
EFFECTIVE DATE  
EXPIRY DATE  
ABS TECHNICAL OFFICE

24-0062451-PDA  
07-Aug-2024  
06-Aug-2029  
Houston ESD - Piping

## CERTIFICATE OF Product Design Assessment

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

**IMI CRITICAL ENGR PBM LLC**

located at

**1070 SANDY HILL RD., , Irwin, PA, United States, 15642**

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:** Valve, Ball 2 - Way Ball Valves  
**Model:** SP Series 6, AN Series 3  
**Endorsements:**  
**Tier:** 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 06/Aug/2029 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, Sr. 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)

## IMI CRITICAL ENGR PBM LLC

1070 SANDY HILL RD.

Irwin PA

United States 15642

Telephone: 724-863-0550x127

Fax: 724-863-3283

Email: tim.hahn@imi-critical.com

Web: www.pbmvalve.com

**Tier: 3 - Type Approved, unit certification not required**

---

**Product:** Valve, Ball 2 - Way Ball Valves

**Model:** SP Series 6, AN Series 3

**Endorsements:**

### Intended Service:

Marine and Offshore Applications requiring CAT A valves.

### Description:

SP Series 6 - 1/4" through 4";

AN Series 3 - 1/2" through 6";

### Rating:

Ratings and materials are to be as specified in ASME B16.34 standard;

MAWP: 3000 psi @ 200 ° F;

MDMT: -40 °F;

### Service Restriction:

- Unit Certification is not required for this product. If the manufacturer or purchaser's request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

- Valve end connections to be in accordance with the "Pipe Joint Limitations" tables for specific systems.

### Comments:

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

- Approved Fire Tests as per API-607 requirements for these valves using PTFE seals. USCG Category A Approval as per Letter 16703; 2010-2801 from USCG.

-All valves are to bear permanent identification, such as the manufacturer's name or trademark, standard of compliance, material identify, 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 in accordance with 4-6-1/7.1.4 of Marine Vessels Rules.

-Only 'Fire Safe' Valves tested in accordance with API 607 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.

-Valves are not to be used where materials readily rendered ineffective by heat, unless the fire test report conforming to the latest edition of a recognized standard acceptable to ABS is submitted.

### Notes/Drawing/Documentation:

Supporting Documentation (previous task: WO00T1908550)

Drawing No. ANH-M3L-A---08, 6 ANH-M3, 2-Way, API-607 (4th Ed.) Ansi Ball Valve, Revision: 0, Pages: 1

Drawing No. SPC-A6DQ8---04, 1/4 SPC-A6, 2-Way, API-607(4th Ed. ) Ball Valve with Butt weld for Sch. 10 Pipe x F.N.P.T. Connection, Revision: 0, Pages: 1

Drawing No. SPHLL6L-G---08 4" SPHLL6 Ball Valve w/manual gear operator and 12" handwheel, Revision 0

Drawing No. SPE-H6B-A 2" SPE-H6 Ball Valve w/manual lever handle Assembly drawing, Revision 0

Drawing No.ANE-H3L-A 2" ANE-H3, 2-Way Ball Valve w/manual lever handle Assembly drawing, Revision 0

Drawing No.ANH-M3L-A---08 6" ANH-M3, 2-Way Ball Valve w/gear operator and 12-inch handwheel Assembly drawing, Revision 1

Drawing No.ANE-E3L-A 1" ANE-E3, 2-Way Ball Valve w/manual lever handle Assembly drawing, Revision 0

Drawing No.ANE-C3L-A 1/2" ANE-C3, 2-Way Ball Valve w/manual lever handle Assembly drawing, Revision 0

Drawing No.ANE-L3L-A 4" ANE-L3, 2-Way Ball Valve w/manual lever handle Assembly drawing, Revision 0

Drawing No.7th Ed Fire Test Report - 2.0 inch - Class 150 - C276 HAST - V-TEF - SPC-H6Q-G-----P052 - May 2021

Drawing No.7th Ed Fire Test Report- 2.0 inch - Class 150 - WCB CS - V-TEF - SPE-H6Q-G----P052 - November

**IMI CRITICAL ENGR PBM LLC**

1070 SANDY HILL RD.

Irwin PA

United States 15642

Telephone: 724-863-0550x127

Fax: 724-863-3283

Email: tim.hahn@imi-critical.com

Web: www.pbmvalve.com

**Tier: 3 - Type Approved, unit certification not required**

---

2020

Drawing No.7th Ed Fire Test Report- 2.0 inch - Class 150 - 316 SS - V-TEF - SPHLH6Q-G-----P052 - April 2019

**Terms of Validity:**

This Product Design Assessment (PDA) Certificate remains valid until 06/Aug/2029 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.

**STANDARDS****ABS Rules:**

2024 Rules for Conditions of Classification, Part 1A-1-4/7.7, 1A-1-A3, which covers the following:

2024 Marine Vessels Rules 4-6-1/7.1, 4-6-2/3, 4-6-2/5.11

2024 Rules for Conditions of Classification - Offshore Units and Structures 1B-1-4/9.7, 1B-1-A2, 1B-1-A3, which covers the following:

2024 Mobile Offshore Units 4-2-2/9, 4-2-2/17

**National:**

ASME B16.34 (2020), where applicable to specific model and material);

API 607 (7th edition, 2016). The submitter confirmed that there is not impact or changes as far the testing procedures between 7th Edition of API 607 and the most recent edition of API 607 (8th edition)

**International:**

NA

**Government:**

USCG Category A

**EUMED:**

NA

**OTHERS:**

NA