



CERTIFICATE NUMBER

10-HS538799-PDA

DATE

12 January 2010

ABS TECHNICAL OFFICE

Houston SED - Ship Systems

# CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of  
**PBM, Inc. - Irwin**

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. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Valve, ball 2 - Way Ball Valves  
MODEL: SP Series 6, AN Series 3  
ABS RULE: 2010 Steel Vessels Rules 1-1-4/7.7, 4-6-1/7.1, 4-6-2/3, and 4-6-2/5.11  
OTHER STANDARD: USCG Category A; API 607;

AMERICAN BUREAU OF SHIPPING

Hans P. Haendler

Engineering Type Approval Co-ordinator

**PBM, Inc.**

1070 Sandy Hill Road  
Irwin  
Pennsylvania 15642  
United States  
Telephone: 724-863-0550  
Fax: 724-863-3283

**MA Certificate No.** 09-ER1616056-X

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

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

**Intended Service:**

Marine and Offshore Applications requiring CAT A valves

**Description:**

SP Series 6 - 1/2" through 3";  
AN Series 3 - 1/2" through 4"

**Ratings:**

MAWP: 3000 psi @ 200° F;  
MDMT: -40°F.

**Service Restrictions:**

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.

**Comments:**

Approved Fire Tests as per API-607 requirements. USCG Category A Approval as per Letter 16703; 2010-2801 from USCG.

**Notes / Drawings / Documentation:**

This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

**Term of Validity:**

This product/model is covered under Product Design Assessment (PDA) Certificate # 10-HS538799-PDA, dated 12/Jan/2010. This PDA Certificate expires 11/Jan/2015. It will remain valid for 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first). It is valid for all vessels contracted on or before the date of the Rules used in this evaluation.

**STANDARDS**

**ABS Rules:**

2010 Steel Vessels Rules 1-1-4/7.7, 4-6-1/7.1, 4-6-2/3, and 4-6-2/5.11

**National:**

NA

**International:**

NA

**Government Authority:**

USCG Category A

**EUMED:**

NA

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**Others:**  
API 607