



CERTIFICATE NUMBER
15-HS1394653-PDA

DATE
28 Apr 2016

ABS TECHNICAL OFFICE
Houston OED - Systems

CERTIFICATE OF DESIGN ASSESSMENT

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

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: **Piping System, Fittings and Valves**

Model: **SSP FloLok Valves, Quick Couplings and Filters product families**

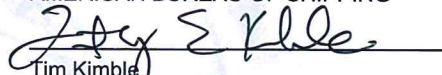
This Product Design Assessment (PDA) Certificate 15-HS1394653-PDA, dated 28/Apr/2016 remains valid until 27/Apr/2021 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING


Tim Kimble
Engineer/Consultant

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 the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

SSP

8250 BOYLE PARKWAY

TWINSBURG OH

United States 44087-2200

Telephone: 330-425-4250

Fax: 330-425-8106

Email: customer.inquiries@mysspusa.com

Web: www.mySSPusa.com

Tier: 3 - Type Approved, unit certification not required

Product: Piping System, Fittings and Valves**Model:** SSP FloLok Valves, Quick Couplings and Filters product families**Intended Service:**

Valves, Quick Couplings and Filters for Marine and Offshore tube / pipe systems: Hydraulic, Pneumatic and Instrumentation Applications.

Description:

100 & 600 Series Needle, & 500 Metering Valves; LN Series Needle Valves; 300 Series Ball Valves; EB Series Ball Valves; FB Series Ball Valves; TB Series Ball Valves; LP Series Rising Plug Valves; PV Series Rotary Plug Valves; 4000 Series Ball Check Valves; CH Series Poppet Check Valves; 4900 Series Purge Valves; BV Series Bleed Valves; 200 Series Toggle Valve; 3000 Series Tee Filters; 3100 Series Inline Filters; QF Series Quick Couplings.

Rating:

Please see attached file for all models ratings.

Service Restriction:

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.

Brass valves, fittings and filters are not to be used in oil systems.

Comments:

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

Notes/Drawing/Documentation:

Technical Report No. ILETR111130-002, Rev. -. Total Pages: 13, 100, 400, 500, 600 Series Needle, Metering, Lower Packing Valve

Technical Report No. ILETR111130-001, Rev. -, Total Pages: 13, 300 Series Ball Valve

Technical Report No. ILETR111130-003, Revision: 0, Total Pages: 13, 3100 Series Inline Filter Valve

Technical Report No. ILETR111130-004, Revision: 0, Total Pages: 13, 4000 Series Check Valve

Technical Report No. ILDT110721, Revision: 0, Pages: 15, BV Bleed Valve

Technical Report No. ILDT111221-001, Revision: -, Total Pages: 20, CH Series Check Valve

Technical Report No. ILDT150519, Revision: A, Total Pages: 20, FB Series Ball Valve

Technical Report No. ILDT150603, Revision: A, Total Pages: 20, LN Series Needle Valve

Technical Report No. ILETR-111130-005, Revision: 0, Total Pages: 13, PV Series Medium Pressure Rotary Plug

Technical Report No. ILDT110711, Revision: 0, Total Pages: 28, QF Series Quick Connect High Pressure Couplings

Technical Report No. ILETR110929, Revision: 0, Total Pages: 78, FloLok Valves & SSP Valves TA Luft Certification

Certificate No.: DS1107484, TA LUFT/VDI 2440:2000 ATTESTATION_TUV SUD America

Set of Drawings 001-072, Valves Construction Drawings

Drawing No. 5-N514-13SF, Rev. F, Metering Valve

Drawing No. 5-N116SF, Rev. F, Needle Valve Medium

Drawing No. 5-N664-2SF-316, Rev. E, Needle Valve Large

Dimensional Calculation: P-001-13B-100- Valves, ANSI ASME B 31.3 Code Pressure Rating 160419

Document: SSP ABS FloLok application documentation cover letter 150319

Document: SSP ABS FloLok application documentation cover letter 150701

Document: SSP ABS Type App Declaration of the Absence of Asbestos 150311

Document: SSP ABS Type Approval Request Revised 150311

Document No. CERT-08543-2006-AQ-HOU-ANAB, SSP ISO 9001:2008 Certification valid until 2018

Document: SSP Valves - WEB listing by PN 141111

Document: ABS Terms and Conditions - with signature - SSP Instrumentation Valves 150422

ISO 17025 Lab (2014 - 2016)

SSP

8250 BOYLE PARKWAY

TWINSBURG OH

United States 44087-2200

Telephone: 330-425-4250

Fax: 330-425-8106

Email: customer.inquiries@mysspusa.com

Web: www.mySSPusa.com

Tier: 3 - Type Approved, unit certification not required

Terms of Validity:

This Product Design Assessment (PDA) Certificate 15-HS1394653-PDA, dated 28/Apr/2016 remains valid until 27/Apr/2021 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

STANDARDS**ABS Rules:**

The Rules for Conditions of Classification, Part 1 - 2016 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

Mobile Offshore Drilling Units (2016): 4-2-2/1.3, 9, 11, 13 & 17, and 4-2-5/1.3 & 3.9;

The Rules for Conditions of Classification, Part 1 - 2016 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

Steel Vessel (2016): 4-6-1/7.5.2, Table 1 & 2, 4-6-2/5.9, 5.11 & 5.15;

National:

NA

International:

ASME B31.1-2014, Power Piping

ASME B31.3-2014, Process Piping

ISO 15500-2:2001, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 2: Performance and general test methods

ISO 15500-3:2001, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 3: Check valve

ISO 15500-4:2001, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 4: Manual valve

Government:

NA

EUMED:

NA

OTHERS:

TA LUFT/VDI 2440:2000 for the following tests: Helium Leak Test under vacuum; Helium Leak Test under pressure; High/Low Temperature Helium Leak Test under pressure; Hydrostatic Hold Test; and Burst Test. (by TÜD SÜD America)