



CERTIFICATE NUMBER  
EFFECTIVE DATE  
EXPIRY DATE  
ABS TECHNICAL OFFICE

21-2102711-PDA  
09-Apr-2021  
08-Apr-2026  
Rio de Janeiro Engineering -  
Machinery

## CERTIFICATE OF Product Design Assessment

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

**SSP**

located at

**8250 BOYLE PARKWAY, , TWINSBURG, OH, United States, 44087-  
2200**

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

This Product Design Assessment (PDA) Certificate remains valid until 08/Apr/2026 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  
*John Vincent Ulep*  
for Yongjin Lee, 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 ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

## SSP

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TWINSBURG OH

United States 44087-2200

Telephone: 330-425-4250/235

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Web: www.myssp.com

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

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**Product:** Piping System, Fittings and Valves

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

**Endorsements:**

### Intended Service:

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

### Description:

Products:

Needle Valves

Needle Valves

Metering Valves

Ball Valves

Ball Valves

Ball Valves

Ball Valves

Rising Plug Valves

Rotary Plug Valves

Ball Check Valves

Poppet Check Valves

Purge Valves

Bleed Valves

Toggle Valves

Relief Valves

Tee Filters

Inline Filters

Quick Couplings

Series:

LN - Body: 316 SS - End Connections: 1/8 to 1 in. TF, NPT, BSPT, SAE, SW

100, 600 - Body: 316 SS, Brass - End Connections: 1/8 to 1/2 in. TF

500 - Body: 316 SS, Brass - End Connections: 1/8 to 1/2 in. TF, NPT, BSPT

300 - Body: 316 SS, Brass - End Connections: 1/8 to 3/4 in. TF, NPT

EB - Body: 316 SS, Brass - End Connections: 1/16 to 3/4 in. TF, NPT, BSPT

FB - Body: 316 SS - End Connections: 1/4 to 1 in. TF, NPT, BSPT, ORFS

TB - Body: 316 SS - End Connections: 1/8 to 1/2 in. TF, FNPT, BSPT, SAE

LP - Body: 316 SS - End Connections: 1/4, 1/2, 3/4 in. inlet; 1/4 & 1/2 in outlet NPT

PV - Body: 316 SS, Brass - End Connections: 1/8 to 1/2 in. TF, NPT, BSPT

4000 - Body: 316 SS, Brass - End Connections: 1/8 to 1/2 in. TF, NPT, BSPT

CH - Body: 316 SS - End Connections: 1/8 to 1 in. TF, NPT, BSPT

4900 - Body: 316 SS, Brass - End Connections: 1/8 to 1/2 in. TF, TS, NPT, BSP, SAE

BV - Body: 316 SS - End Connections: 1/8 to 1/2 in. Male NPT and BSPT

200 - Body: 316 SS, Brass - End Connections: 1/8 to 3/8 in.

RL3, RL4, RH3, RH4 - Body: 316 SS - End Connections: > Sizes: 1/4 & 1/2 in. TF

3000 - Body: 316 SS, Brass - End Connections: 1/8 to 1/2 in. TF, NPT

3100 - Body: 316 SS, Brass - End Connections: 1/8 to 1/2 in. TF, NPT

QF - Body: 316 SS, Brass - End Connections: 1/4 to 1 in. TF, NPT, BSPT, BSPP

### Rating:

Please see attached file for all models ratings.

### Service Restriction:

1. Unit Certification is not required for this product.
2. 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.
3. Brass valves, fittings and filters are not to be used in oil systems.

### Comments:

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. Where indicated as 'permanent' in 4-6-1/7.1.4 TABLE 2, the piping component is to bear permanent identification, such as manufacturer's name or trademark, standard of compliance, material identity, 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.

### Notes/Drawing/Documentation:

Drawing No. SSP ABS Approvals Listing, Revision: -,

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

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Technical Report No. ILDTR110721, Revision: 0, Pages: 15, BV Bleed Valve

Technical Report No. ILDTR111221-001, Revision: -, Total Pages: 20, CH Series Check Valve

Technical Report No. ILDTR150519, Revision: A, Total Pages: 20, FB Series Ball Valve

Technical Report No. ILDTR150603, 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. ILDTR110711, 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

Technical Report No. ILDTR180515, Revision: C, Total Pages: 19, SSP R Series Relief Valve

Certificate No.: DS1107484, TA LUFT/VDI 2440:2002 ATTESTATION\_TUV SUD America

Set of Drawings 001-072, Valves Construction Drawings

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

Document: SSP Valves - WEB listing by PN 141111

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

ISO 17025 Lab (2016)

#### Terms of Validity:

This Product Design Assessment (PDA) Certificate remains valid until 08/Apr/2026 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).

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#### STANDARDS

##### ABS Rules:

The Rules for Conditions of Classification, 2021 Marine Vessel Rules 1-1-4/7.7, 1-1-A3,1-1-A4, which covers the following:

2021 Rules for Building and Classing Marine Vessels: 4-6-1/7.5.2, Table 2, 4-6-2/5.9, 5.11, 5.13 & 5.15.

The Rules for Conditions of Classification, Offshore Units and Structures, 2021 Mobile Offshore Units 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2021 Rules for Building and Classing Mobile Offshore Units: 4-2-2/1.3, 9, 11, 13 & 17, and 4-2-5/1.3 & 3.9.

##### National:

NA

##### International:

ASME B31.1-2020, Power Piping

ASME B31.3-2018, Process Piping

ISO 15500-2:2016, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 2: Performance and general test methods

ISO 15500-3:2020, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 3: Check valve

ISO 15500-4:2020, Road vehicles - Compressed natural gas (CNG) fuel system components - Part 4: Manual valve

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**Government:**

NA

**EUMED:**

NA

**OTHERS:**

TA LUFT/VDI 2440:2002 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)