


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

| | |
|---|--|
| MANUFACTURERS NAME: Knickerbocker Machine Shop Inc dba Alloy Stainless Products Company | |
| MANUFACTURERS ADDRESS: 611 Union Boulevard, Totowa, NJ 07512 | |
| PLANT LOCATIONS: 611 Union Boulevard, Totowa, NJ 07512 | |
| CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY | |
| <input type="radio"/> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers <input type="radio"/> B Flanges: all flanges <input type="radio"/> C Valves: all line valves <input type="radio"/> D Expansion joints, flexible connections, and hose assemblies: all types <input type="radio"/> E Strainers, filters, separators, and steam traps <input type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters <input type="radio"/> G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs <input type="radio"/> H Pressure retaining components that do not fall into one of the above categories <input type="radio"/> N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements) | TITLE OF THE STANDARD OF CONSTRUCTION B16.11, MSS-SP-79/SP-83/SP-114 |
| SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT | |
|  | TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER: |
| LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: | |
| See scope document 13442s-1 R0 See scope document 13442s-1 R0 | |

DECLARATION:

I Annemarie Appleton (see note 3) employed by Knickerbocker Machine Shop Inc and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by Hartford Steam Boiler as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.


Signature of Declarer: Annemarie Appleton

Declared before me at _____

This 10th day of December AD 2018

Commissioner of Oaths or Notary Public: (sign) Tiffany A. Rogers

USE THIS SPACE FOR OFFICE OF **TIFFANY A. ROGERS**
 NOTARY PUBLIC OF NEW JERSEY
 Comm. # 24568899
 My Commission Expires 12/21/2022

| | |
|--|--|
| This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance. | |
| CRN: <u>0A3436.5 Rev.2</u> FID#: <u>452</u> |  BY <u>[Signature]</u> CRN <u>0A3436.5Y REV.2</u> DATE <u>03/29/2019</u> |
| Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. | |
| Sect. 1.0 - Fittings Rev. 1 06/2003 | |



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Toronto, Ontario M9W 6N9
Tel: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

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March 14, 2019

CATHERINE DIPLOCK
PRESSURE VESSEL ENGINEERING LTD.
120 RANDALL DR SUITE B
WATERLOO ON N2V 1C6
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2530160
Your Reference No.: PVE-13442
Registered to: ALLOY STAINLESS PRODUCTS COMPANY INC

Dear CATHERINE DIPLOCK,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRNL 0A3436.5R2

Main Design No.: SCOPE OF REGISTRATION 13442s-1 REV 0

Expiry Date: 14-Mar-2029

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

Note: This is a CRN renewal only. There is no change in scope.

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Alan Wu P. Eng.
Mechanical Engineer, BPV
Tel : 416-734-3443
Fax : 416-231-6183
Email : awu@tssa.org

Scope Document: 13442s-1 Rev 0

ASME B16.11, 2016 Edition
 Materials per B16.11 Section 5
 Pressure Ratings per B16.11 Section 2 and Table 8

| Description | Type | Class | Drawing |
|--|------|----------|---------|
| - 1/8" to 4" Tee/90° Elbow/Cross/45° Elbow | Thd | 2M/3M/6M | Table-1 |
| - 1/8" to 2" 90° Street Elbow | Thd | 3M/6M | Table-2 |
| - 1/8" to 4" Coupling/Half Coupling/Boss/Cap/Couplet | Thd | 3M/6M | Table-3 |
| - 1/8" to 4" Sq. Hd. Plug/Hx. Hd. Plug/Rd. Hd Plug/Hx. Hd. Bushing/Flush Bushing | Thd | N/A | Table-4 |
| - 1/8" to 4" Tee/90° Elbow/Cross/45° Elbow | SW | 3M/6M/9M | Table-5 |
| - 1/8" to 4" Coupling/Half Coupling/Boss/Cap/Couplet | SW | 3M/6M/9M | Table-6 |

THIS IS PART OF

CRN 0A34365R2

Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

MSS SP-79, 2018 Edition
 Materials per MSS-SP-79 Section 6
 Pressure Ratings per MMSS-SP-79 Section 3 and Table 1
 Type 1 & Type 2

| Description | Type | Class | Drawing |
|---|------|-------|-----------|
| - 3/8" x 1/4" Reducer Inserts | SW | 3M/6M | Table 1-1 |
| - 1/2" x 3/8", 1/2" x 1/4" Reducer Inserts | SW | 3M/6M | Table 1-1 |
| - 3/4" x 1/2", 3/4" x 3/8", 3/4" x 1/4" Reducer Inserts | SW | 3M/6M | Table 1-1 |
| - 1" x 3/4", 1" x 1/2", 1" x 3/8", 1" x 1/4" Reducer Inserts | SW | 3M/6M | Table 1-1 |
| - 1-1/4" x 3/4", 1-1/4" x 1/2", 1-1/4" x 3/8", 1-1/4" x 1/4", 1-1/4" x 1" Reducer Inserts | SW | 3M/6M | Table 1-1 |
| - 1-1/2" x 1-1/4", 1-1/2" x 1", 1-1/2" x 3/4", 1-1/2" x 1/2", 1-1/2" x 3/8" Reducer Inserts | SW | 3M/6M | Table 1-2 |
| - 2" x 1-1/2", 2" x 1-1/4", 2" x 1", 2" x 3/4", 2" x 1/2" Reducer Inserts | SW | 3M/6M | Table 1-2 |
| - 2-1/2" x 2", 2-1/2" x 1-1/2", 2-1/2" x 1-1/4", 2-1/2" x 1", 2-1/2" x 3/4" Reducer Inserts | SW | 3M/6M | Table 1-2 |
| - 3" x 2-1/2", 3" x 2", 3" x 1-1/2", 3" x 1-1/4", 3" x 1" Reducer Inserts | SW | 3M/6M | Table 1-3 |
| - 4" x 3", 4" x 2-1/2", 4" x 2", 4" x 1-1/2", 4" x 1-1/4" Reducer Inserts | SW | 3M/6M | Table 1-3 |

MSS SP-83, 2018 Edition
 Materials per MSS-SP-83 Section 6 and Tables 4 & 5
 Pressure Ratings per MMSS-SP-83 Section 2 and Table 4 & 5

| Description | Type | Class | Drawing |
|------------------------|------|-------|-------------|
| - 1/8" to 3" Union | SW | 3M | MSS-SP83-T1 |
| - 1/8" to 2-1/2" Union | SW | 6M | MSS-SP83-T2 |
| - 1/8" to 3" Union | Thd | 3M | MSS-SP83-T3 |
| - 1/8" to 3" Union | Thd | 6M | MSS-SP83-T4 |

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Technical Standards & Safety Authority
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MSS SP114, 2007 Edition
 Materials per MSS-SP114 Section 5
 Pressure Ratings per MSS-SP114 Section 2 Table 1

| Description | Type | Class | Drawing |
|---|------|-------|---------------|
| - 1/8" to 4" Tee/90° Elbow/ Cross/ 45° Elbow | Thd | 150# | MSS-SP114-1 |
| - 1/8" to 4" Street Elbow | Thd | 150# | MSS-SP-114-2 |
| - 1/8" to 4" Coupling/ Half Coupling/ Reducer Coupling | Thd | 150# | MSS-SP114-3 |
| - 1/8" to 4" Cap | Thd | 150# | MSS-SP-114-4 |
| - 1/8" to 4" 90/Tee/ Cross/ 45/ Coupling/ Half Coupling/ Cap | SW | 150# | MSS-SP-114-5 |
| - 1/8" to 4" Square Head Plug | Thd | 150# | MSS-SP-114-6 |
| - 1/8" to 4" Hex Head Plug | Thd | 150# | MSS-SP-114-7 |
| - 1/4" x 1/8" to 1-1/2" x 1/4" Hex Head Bushing | Thd | 150# | MSS-SP-114-8A |
| - 2" x 1-1/2" to 4" x 1" Hex Head Bushing | Thd | 150# | MSS-SP-114-8B |
| - 1/8" to 4" Lock Nut | Thd | N/A | MSS-SP-114-9 |
| - 1/8" to 4" Union | Thd | 150# | MSS-SP-114-10 |
| - 1/8" to 4" Union | SW | 150# | MSS-SP-114-11 |
| - 1/8" to 3/4" Tee/ 90° Elbow/ Cross/ 45° Elbow | Thd | 1M | MSS-SP-114-12 |
| - 1/8" to 3/4" 90° Street Elbow | Thd | 1M | MSS-SP-114-13 |
| - 1/8" to 4" Coupling & Half Coupling (Straight & Reducing sizes)/ Caps | Thd | 1M | MSS-SP-114-14 |
| - 1/8" to 4" 90/ Tee/ Cross/ 45/ Coupling/ Half Coupling/ Cap | SW | 1M | MSS-SP-114-15 |
| - 1/8" to 4" Square Head Plug | Thd | 1M | MSS-SP-114-16 |
| - 1/8" to 4" Hex Head Plug | Thd | 1M | MSS-SP-114-17 |



Pressure Vessel Engineering
 120 Randall Dr., Suite B, Waterloo ON, Canada, N2V 1C6
 Phone: 519-880-9808 Web: www.pveng.com

- 1/4" x 1/8" to 1-1/2" x 1/4" Reducing Hex Head Bushings
- 2" x 1-1/2" to 4" x 1" Reducing Hex Head Bushings
- 1/8" to 4" Union
- 1/8" to 4" Union

| | | |
|-----|----|----------------|
| Thd | 1M | MSS-SP-114-18A |
| Thd | 1M | MSS-SP-114-18B |
| Thd | 1M | MSS-SP-114-19 |
| SW | 1M | MSS-SP-114-20 |

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