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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



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Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

ASp

STATUTORY DECLARATION Registration of Fittings

I, Annemarie Appleton President
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Knickerbocker Machine Shop Inc dba Alloy Stainless Products Company
(Name of Manufacturer)

Located at 611 Union Boulevard, Totowa, NJ 07512
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of B16.11, MSS-SP-79/SP-83/SP-114
(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of _____

CSA B51 Annex F which has been verified by the following authority, Hartford Steam Boiler

The items covered by this declaration, for which I seek registration, are category A type fittings. In support of this application, the following information and/or test data are attached as follows:

See scope document 13442s-1 R0

(drawings, calculations, test reports, etc.)

Declared before me at Totowa, NJ in the County of Passaic

the 10th day of December AD 2018

Commissioner for Oaths:

TIFFANY A. ROGERS
 NOTARY PUBLIC, NEW JERSEY
 Comm. # 210889
 My Commission Expires 8/21/2022
[Signature]
(Signature)

Annemarie Appleton
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category A

CRN: OA 343605R2

Registered by: AWa

Dated: Mar 14, 2019

NOTE: This registration expires on: Mar 14, 2029

Technical Standards and Safety Authority **Boilers and Pressure Vessels Safety Program**

REGISTERED

C.R.N.: OA 343605R2

Signed: AS

Date: Mar 14, 2019

PV 09553 (08/16) THIS REGISTRATION IS FOR RENEWAL ONLY. NO CHANGE IN SCOPE
 SEE 13442s-1 Rev 0

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

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



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

- 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

THIS IS PART OF
CRN 0A3436,5R2
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program