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September 15, 2025

PENNSYLVANIA MACHINE WORKS INC
201 BETHEL RD
ASTON PA 19014

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14711302
Your Reference No.: NATIONAL CRN RENEWAL
Registered to: PENNSYLVANIA MACHINE WORKS INC

Dear Michael Barron,

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

CRN : 0A10416.5R3

Main Design No.: See CRN Category A Fitting Registration Scope attached to the Statutory Declaration

Expiry Date: Sep 15, 2035

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

Note: Only the items in full compliance with the referenced design standards are covered by this registration.

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, 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,

Zivko Gacevic , P. Eng.
Engineer, BPV
Tel. : +1 416-734-3429
Email : zgacevic@tssa.org



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
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Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

PENN

STATUTORY DECLARATION Registration of Fittings

I, Michael Barron, Corporate Quality Manager

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

of Pennsylvania Machine Works, LLC

(Name of Manufacturer)

Located at 201 Bethel Ave Aston, PA ; 315 North Wayside Dr. Houston, TX 610-497-3300

(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
ASME B31.1, B31.3, B16.11, B16.9, B16.14, MSS SP-79, SP-83, SP-95, SP-97, ASTM A733, A999, B829, B251, B861, B241

(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 ISO-9001:2015 which has been verified by the following authority, LRQA Limited.

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:
Penn Machine Catalogue

(drawings, calculations, test reports, etc.)

Declared before me at DELAWARE COUNTY in the COMMONWEALTH of PENNSYLVANIA

the 8th day of SEPTEMBER AD 2025.

Commissioner for Oaths:

JEANETTE J. SCOTT

(Printed name)

Jeanette J. Scott

(Signature)

Commonwealth of Pennsylvania - Notary Seal
Jeanette J. Scott, Notary Public
Delaware County
My commission expires March 11, 2027
Commission number 1347477

Member, Pennsylvania Association of Notaries

[Signature]

(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: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: Sep. 15, 2035

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: 0A10416.5R3

Signed: [Signature]

Date: September 15, 2025.

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

PV 09553 (04/17)

Note: See attached document for Scope of Registration

Product Description	Design Standard	Size Range	Pressure Rating	Material	Catalog	Page	Design Proof Test
Flush Bushing	ASME B16.11	1/4" - 4" NPS	CL-2000, CL-3000, CL-6000 in 1/4" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	15	N/A per ASME B16.11
Hexagon Head Bushing	ASME B16.11	1/4" - 4" NPS	CL-2000, CL-3000, CL-6000 in 1/4" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	16	N/A per ASME B16.11
Hexagon Head Plug	ASME B16.11	1/8" - 4" NPS	CL-2000, CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	17	N/A per ASME B16.11
Round Head Plug	ASME B16.11	1/8" - 4" NPS	CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	25	N/A per ASME B16.11
Socket Weld 45° Elbow	ASME B16.11	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 2", CL-9000 in 1/2" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	26	N/A per ASME B16.11
Socket Weld 90° Elbow	ASME B16.11	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 2", CL-9000 in 1/2" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	27	N/A per ASME B16.11
Socket Weld Boss	ASME B16.11	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 2", CL-9000 in 1/2" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	28	N/A per ASME B16.11
Socket Weld Cap	ASME B16.11	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 2", CL-9000 in 1/2" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	29	N/A per ASME B16.11
Socket Weld Couplet	ASME B16.11	1/4" - 4" NPS	CL-3000, CL-6000 in 1/4" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	30	N/A per ASME B16.11
Socket Weld Coupling	ASME B16.11	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 2", CL-9000 in 1/2" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	31	N/A per ASME B16.11
Socket Weld Cross	ASME B16.11	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 2", CL-9000 in 1/2" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 1 of 2	32	N/A per ASME B16.11
Socket Weld Eccentric Reducer / Reducing Coupling	ASME B16.11	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 2", CL-9000 in 1/2" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	2	N/A per ASME B16.11
Socket Weld Half Coupling	ASME B16.11	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 2", CL-9000 in 1/2" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	3	N/A per ASME B16.11
Socket Weld Reducer / Reducing Coupling	ASME B16.11	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 2", CL-9000 in 1/2" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	11	N/A per ASME B16.11
Socket Weld Tee	ASME B16.11	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 2", CL-9000 in 1/2" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	13	N/A per ASME B16.11
Socket Weld x Threaded Coupling	ASME B16.11	1/8" - 4" NPS	CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	15	N/A per ASME B16.11
Socket Weld x Threaded Reducer / Reducing Coupling	ASME B16.11	1/8" - 4" NPS	CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	15	N/A per ASME B16.11
Square Head Plug	ASME B16.11	1/8" - 4" NPS	CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	16	N/A per ASME B16.11
Threaded 45° Elbow	ASME B16.11	1/8" - 4" NPS	CL-2000, CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 3-1/2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	17	N/A per ASME B16.11
Threaded 90° Elbow	ASME B16.11	1/8" - 4" NPS	CL-2000, CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 3-1/2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	18	N/A per ASME B16.11
Threaded Boss	ASME B16.11	1/8" - 4" NPS	CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	19	N/A per ASME B16.11
Threaded Cap	ASME B16.11	1/8" - 4" NPS	CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	20	N/A per ASME B16.11
Threaded Couplet	ASME B16.11	1/4" - 4" NPS	CL-3000, CL-6000 in 1/4" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	21	N/A per ASME B16.11
Threaded Coupling	ASME B16.11	1/8" - 4" NPS	CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	22	N/A per ASME B16.11
Threaded Cross	ASME B16.11	1/8" - 4" NPS	CL-2000, CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 3-1/2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	23	N/A per ASME B16.11
Threaded Eccentric Reducer / Reducing Coupling	ASME B16.11	1/8" - 4" NPS	CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	25	N/A per ASME B16.11
Threaded Half Coupling	ASME B16.11	1/8" - 4" NPS	CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	26	N/A per ASME B16.11
Threaded Reducer / Reducing Coupling	ASME B16.11	1/8" - 4" NPS	CL-3000, CL-6000 in 1/8" - 4"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	30	N/A per ASME B16.11
Threaded Street Elbow	ASME B16.11	1/8" - 2" NPS	CL-3000, CL-6000 in 1/8" - 2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	31	N/A per ASME B16.11
Threaded Tee	ASME B16.11	1/8" - 4" NPS	CL-2000, CL-3000 in 1/8" - 4", CL-6000 in 1/8" - 3-1/2"	Per ASME B16.11 Standard Materials	Penn Machine Catalogue Part 2 of 2	32	N/A per ASME B16.11
Countersunk Head Plug	ASME B16.14	1/8" - 4" NPS	Per ASME B16.14	Per ASME B16.14 Materials	Penn Machine Catalogue Part 1 of 2	10	N/A per ASME B16.14
Butt Weld Eccentric Reducer	ASME B16.9	1" - 8" NPS	1" S5 - S160; 1-1/4" S5 - S160; 1-1/2" S5 - S160; 2" S5 - XXH; 2-1/2" S5 - XXH; 3" S5 - XXH; 3-1/2" S5 - XXH; 4" S10 - XXH; 5" S40 - XXH; 6" S40 - XXH; 8" S20 - S160, XXH	Per ASME B16.9 Material	Penn Machine Catalogue Part 1 of 2	2	Burst Test: 2" x 1-1/2" NPS S40 Butt Weld Reducer A105, 4" x 3" S40 Butt Weld Reducer A105
Butt Weld Concentric Reducer	ASME B16.9	1" - 8" NPS	1" S5 - S160; 1-1/4" S5 - S160; 1-1/2" S5 - S160; 2" S5 - XXH; 2-1/2" S5 - XXH; 3" S5 - XXH; 3-1/2" S5 - XXH; 4" S10 - XXH; 5" S40 - XXH; 6" S40 - XXH; 8" S20 - S160, XXH	Per ASME B16.9 Material	Penn Machine Catalogue Part 1 of 2	4	Burst Test: 2" x 1-1/2" NPS S40 Butt Weld Reducer A105, 4" x 3" S40 Butt Weld Reducer A105
Butt Weld Tee	ASME B16.9	1/4" - 5" NPS	1/4" S10 - XXH; 1/2" S5 - XXH; 3/4" S5 - XXH; 1" S10 - XXH; 1-1/4" S10 - XXH; 1-1/2" S10 - XXH; 2" S5 - XXH; 2-1/2" S5 - XXH; 3" S10 - XXH; 3-1/2" S10 - XXH; 4" S10 - XXH; 5" S40 - XXH	Per ASME B16.9 Material	Penn Machine Catalogue Part 1 of 2	5	Burst Test: 1/2" NPS STD Butt Weld Tee, 1.5" NPS S80 Butt Weld Tee A105, 4" STD Butt Weld Tee A105
Socket Weld Reducing Insert	MSS SP-79	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000 in 1-8" - 3"	Per MSS SP-79 Material	Penn Machine Catalogue Part 2 of 2	4-5	N/A per MSS SP-79
Socket Weld Union	MSS SP-83	1/8" - 3" NPS	CL-3000 in 1/8" - 3", CL-6000 in 1/8" - 2-1/2"	Per MSS SP-83 Material	Penn Machine Catalogue Part 2 of 2	14	N/A per MSS SP-83
Threaded Union	MSS SP-83	1/8" - 3" NPS	CL-3000, CL-6000 in 1/8" - 3"	Per MSS SP-83 Material	Penn Machine Catalogue Part 2 of 2	33	N/A per MSS SP-83
Concentric Swage Nipple	MSS SP-95	1/4" - 6" NPS	1/4" S10 - S80; 3/8" S10 - S80; 1/2" S5 - XXH; 3/4" S10 - XXH; 1" S5 - XXH; 1-1/4" S10 - XXH; 1-1/2" S10 - XXH; 2" S10 - XXH; 2-1/2" S10 - XXH; 3" S10 - XXH; 3-1/2" S40 - XXH; 4" S40 - XXH; 5" S40 - XXH; 6" S80 - XXH	Per MSS SP-95 Material	Penn Machine Catalogue Part 1 of 2	9	Burst Test: Swage Nipples MSS SP-95
Eccentric Swage Nipple	MSS SP-95	1/4" - 6" NPS	1/4" S10 - S80; 3/8" S10 - S80; 1/2" S5 - XXH; 3/4" S10 - XXH; 1" S5 - XXH; 1-1/4" S10 - XXH; 1-1/2" S10 - XXH; 2" S10 - XXH; 2-1/2" S10 - XXH; 3" S10 - XXH; 3-1/2" S40 - XXH; 4" S40 - XXH; 5" S40 - XXH; 6" S80 - XXH	Per MSS SP-95 Material	Penn Machine Catalogue Part 1 of 2	11	Burst Test: Swage Nipples MSS SP-95
Butt Weld 90° Branch Outlet	ASME B31.1, ASME B31.3, & MSS SP-97	1/4" - 16" NPS	1/4" S10 - S80; 3/8" S10 - S80; 1/2" S5 - XXH; 3/4" S10 - XXH; 1" S10 - XXH; 1-1/4" S10 - XXH; 1-1/2" S10 - XXH; 2" S10 - XXH; 2-1/2" S10 - XXH; 3" S10 - XXH; 3-1/2" S10 - XXH; 4" S10 - XXH; 5" S5 - XXH; 6" S10 - XXH; 8" S10 - S160; 10" S10 - S160, 12" S20 - S160; 14" S20 - S160, 16" S20 - S160	Per MSS SP-97	Penn Machine Catalogue Part 1 of 2	3	Proof Test Branch Outlets MSS SP-97, Proof Test 8 x 8 STD Butt Weld Outlet MSS SP-97
Butt Weld 45° Branch Outlet (Latral)	ASME B31.1, ASME B31.3, & MSS SP-97	1/4" - 16" NPS	1/4" S10 - S80; 3/8" S10 - S80; 1/2" S5 - XXH; 3/4" S10 - XXH; 1" S10 - XXH; 1-1/4" S10 - XXH; 1-1/2" S10 - XXH; 2" S10 - XXH; 2-1/2" S10 - XXH; 3" S10 - XXH; 3-1/2" S10 - XXH; 4" S10 - XXH; 5" S5 - XXH; 6" S10 - XXH; 8" S10 - S160; 10" S10 - S160, 12" S20 - S160; 14" S20 - S160, 16" S20 - S160	Per MSS SP-97	Penn Machine Catalogue Part 1 of 2	20	Proof Test Branch Outlets MSS SP-97, Proof Test 8 x 8 STD Butt Weld Outlet MSS SP-97

THIS IS PART OF CRN

0A10416.5R3

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

Product Description	Design Standard	Size Range	Pressure Rating	Material	Catalog	Page	Design Proof Test
Socket Weld 90° Branch Outlet	ASME B31.1, ASME B31.3, & MSS SP-97	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000, CL-9000 in 1/8" - 2"	Per MSS SP-97	Penn Machine Catalogue Part 2 of 2	9	Proof Test Branch Outlets MSS SP-97
Socket Weld 45° Branch Outlet (Lateral)	ASME B31.1, ASME B31.3, & MSS SP-97	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000, CL-9000 in 1/8" - 2"	Per MSS SP-97	Penn Machine Catalogue Part 1 of 2	20	Proof Test Branch Outlets MSS SP-97
Threaded 90° Branch Outlet	ASME B31.1, ASME B31.3, & MSS SP-97	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000, CL-9000 in 1/8" - 2"	Per MSS SP-97	Penn Machine Catalogue Part 2 of 2	29	Proof Test Branch Outlets MSS SP-97
Threaded 45° Branch Outlet (Lateral)	ASME B31.1, ASME B31.3, & MSS SP-97	1/8" - 4" NPS	CL-3000 in 1/8" - 4", CL-6000, CL-9000 in 1/8" - 2"	Per MSS SP-97	Penn Machine Catalogue Part 1 of 2	20	Proof Test Branch Outlets MSS SP-97
Nipple Outlet	ASME B31.1, ASME B31.3, & MSS SP-97	1/4" - 16" NPS	1/4" S10 - S80 ; 3/8" S10 - S80 ; 1/2" S5 - XXH ; 3/4" S10 - XXH ; 1" S10 - XXH ; 1-1/4" S10 - XXH ; 1-1/2" S10 - XXH ; 2" S10 - XXH ; 2-1/2" S10 - XXH ; 3" S10 - XXH ; 3-1/2" S10 - XXH ; 4" S10 - XXH ; 5" S5 - XXH ; 6" S10 - XXH ; 8" S10 - S160 ; 10" S10 - S160, 12" S20 - S160; 14" S20 - S160 , 16" S20 - S160	Per MSS SP-97	Penn Machine Catalogue Part 1 of 2	22	Proof Test Branch Outlets MSS SP-97 , Proof Test 8 x 8 STD Butt weld Outlet MSS SP-97
Pipe Nipple	ASME B36.10M, ASME B36.19M	1/4" - 8" NPS	Per ASME B36.10M, ASME B36.19M	Per ASTM A733	Penn Machine Catalogue Part 1 of 2	23	N/A per ASME B36.10M, ASME B36.19M

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Program