



To:	TSSA	From:	Janet Townsend
Company:	Watson McDaniel	Phone:	416-747-4291
Pages:	8	Location:	Toronto
Our File:	ANR-5571	Date:	December 11, 2019

Your File: 2723604

**Subject: Request for Design Registration**

CSA has reviewed the documentation submitted by TSSA on behalf of Watson McDaniel. These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces.

The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0E21914.56.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

**Janet Townsend**  
Program Manager  
CSA Group  
178 Rexdale Blvd.  
Toronto, ON, M9W 1R3  
Canada  
[www.csagroup.org](http://www.csagroup.org)



Statutory Declaration Registration of Fittings



(a) Design Qualification

I, ROBERT HICKEY (Name of applicant) GENERAL MANAGER (Position eg, president, plant manager, chief eng.)

of WATSON MCDANIEL (name of company)

Located at 428 JONES BLVD., POTTSTOWN, PENNSYLVANIA, 19464 (plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

- comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required; Or are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

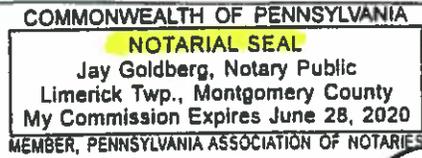
I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001:2008, and has been verified by the following authority or authorized agency HSB

The fittings covered by this declaration, for which I seek registration, are CATEGORY E STEAM TRAPS

In support of the application, the following information, calculations and/or test data are attached:

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

Declared before me at Pottstown In the of State of Pennsylvania The 16th day of September AD 2019



Signature of Declarer

For Official Use Only

The application is accepted for registration in Category E in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after 10 years from the date of acceptance. EXP: OCT 28TH 2029

Registered Number CRN CSA-0E21914.56 For the Chief Inspector A BANWATT Date DEC 05 2019

1 Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted. 2 All fittings are required to be registered in the name of the Manufacturer. 3 This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.





**Technical Safety Authority of Saskatchewan**

REGISTERED



CRN: CSA-0E21914-56

Registration Process administered by  
CSA Group per CSA B51

2202 2nd Ave.  
Regina, SK S4R 1K3  
PH: (306)798-7112 Toll Free: (866)530-8599  
FAX: (306)787-9273 Toll Free: (866)760-9255  
Email: [bolpermits@tsask.ca](mailto:bolpermits@tsask.ca)  
Website: [www.tsask.ca](http://www.tsask.ca)

**Statutory Declaration (Registration of Fittings)**

TSK-1008

**I. Declaration Information**

I, ROBERT HICKEY  
GENERAL MANAGER  
(company title, e.g. vice president, plant manager, chief engineer)  
(must be in a position of authority in the manufacturing plant where the fitting is produced)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



of: WATSON MCDANIEL  
(name of manufacturer)

located at: 428 JONES BLVD POTTSTOWN, PENNSYLVANIA 19464, U.S.A.  
(Plant Address - Apt/Street) (City, Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the *Saskatchewan Boiler and Pressure Vessel Safety Act* (check one)

Comply with the requirements of ASME B31.1, ASME B31.3 which specifies the dimensions, Materials of construction, pressure / temperature ratings and identification marking of the fittings, 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, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001:2008 HSB as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY E STEAM TRAPS

In support of this application, the following information, calculations and / or test data are attached:

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

**II. Declaration**

DECLARED before me at Pottstown In the State of Pennsylvania  
this 16<sup>th</sup> day of September, 2019  
Jay Goldberg  
(print name) [Signature]  
(Signature)  
[Signature of Commissioner of Oaths]  
**COMMONWEALTH OF PENNSYLVANIA**  
**NOTARIAL SEAL**  
Jay Goldberg, Notary Public  
Limerick Twp., Montgomery County  
My Commission Expires June 28, 2020

**III. Office Use Only**

To the best of my knowledge and belief, the application meets the requirements of the *Boiler and Pressure Vessel Safety Act* and CSA B51, Clause 4.2, and is accepted for registration in Category E  
CSA-0E21914-56  
(Registration Number) DEC-05-2019 10-28-2029  
(Date Registered - MM/DD/YYYY) (Expiry Date - MM DD YYYY)  
A. BANWATT  
(For the Administrator / Chief Inspector)

\*Note: See the attachment for the scope of the registration.

TSK-1008  
Rev. 10/2012  
Page 1 of 1





345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Tel: 416 734 3300  
Fax: 416 231 1626  
Toll Free 1 877 682 8772

[www.tssa.org](http://www.tssa.org)

October 28, 2019

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L8B 0K6  
CA

Service Request Type: BPV-Fitting Registration  
Service Request No.: 2697558  
Your Reference No.: R-1127  
Registered to: WATSON MCDANIEL

Dear SCOTT ISLIP,

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

CRN No.: 0E21914.5  
Main Design No.: UNIVERSAL CONNECTORS & STEAM TRAPS - SEE SCOPE OF REGISTRATION  
(2PGS)  
Expiry Date: 28-Oct-2029

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

A stamped copy of the approved registration and invoice for engineering services will be sent 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](mailto: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.  
Mechanical Engineer, BPV  
Tel.: 416-734-3429  
Fax: 416-231-6183  
Email: [zgacevic@tssa.org](mailto:zgacevic@tssa.org)





WATSON MCDANIEL  
 428 JONES BLVD.  
 POTTSTOWN, PENNSYLVANIA  
 19464, U.S.A.

**THIS IS PART OF**  
**CRN 0E21919.5**  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

24-Aug-19

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**SCOPE OF CRN REGISTRATION**

Product Description	Design Code	Material Specification	Series	Size Range	End Connection Inlet/Outlet	MAWP at 100°F	MAWP at MAWT (psig)	Report Number
Universal Connector	ASME B31.1, ASME B31.3, ASME B16.34	Type 316L S.Steel ASTM A351-CF3M	UC450	1/2", 3/4", 1"	NPT, Socket Weld	750 psig	750 psig at 100°F 400 psig at 800°F	R-1127A
Universal Connector	ASME B31.1, ASME B31.3	Type 316L S.Steel ASTM A351-CF3M	UC450S/SB	1/2", 3/4", 1"	NPT, Socket Weld	750 psig	750 psig at 100°F 400 psig at 800°F	R-1127B
Universal Connector	ASME B31.1, ASME B31.3	Type 316L S.Steel ASTM A351-CF3M	UC450SR/SBR, UC450SL/SBL	1/2", 3/4", 1"	NPT, Socket Weld	750 psig	750 psig at 100°F 400 psig at 800°F	R-1127C
Inverted Bucket Steam Trap Module	ASME B31.1, ASME B31.3	Type 304L S.Steel ASTM A351-CF3, ASTM A269-304L, ASTM A240-304L	USIB450, USIB450H	N/A	Universal Flange	280 psig	280 psig at 800°F	R-1127D
Float and Thermostatic Steam Trap Module	ASME B31.1, ASME B31.3	Type 304L S.Steel ASTM A351-CF3, ASTM A269-304L, ASTM A240-304L, ASTM A182-304L	UFT450	N/A	Universal Flange	160 psig	160 psig at 397°F	R-1127E
Thermodynamic Steam Trap Module	ASME B31.1, ASME B31.3	Stainless Steel ASTM A582-420F, ASTM A582-416 (Note 5.6)	UTD450, UTD450L, UTD450SM, UTD450LSM	N/A	Universal Flange	230 psig	230 psig at 800°F	R-1127F

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature.

Note 2: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by the seat or seal material or other considerations. Please consult Watson McDaniel literature.

Note 3: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

**SA GROUP** 2 of 3

**ATTACHMENT TO**  
**C.R.N.: CSA-0E21919.56**  
 Signed: 

1/8 Rexdale Boulevard, Toronto, ON Canada M9W 1R3



WATSON MCDANIEL  
 428 JONES BLVD.  
 POTTSTOWN, PENNSYLVANIA  
 19464, U.S.A.

THIS IS PART OF  
 CRN OE 21914.5  
 Technical Standards & Safety Authority  
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24-Aug-19

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**SCOPE OF CRN REGISTRATION**

Note 4: In accordance with ASME B31.1 para 123.1.2(D) when this product is used under the ASME B31.1 code the owner must accept the use of the following non listed materials:

- Type 304L Stainless Steel ASTM A269-304L
- Stainless Steel ASTM A582-420F
- Stainless Steel ASTM A582-416

In all cases the above unlisted materials shall only be used for nonboiler external piping.

Note 5: The material ASTM A582-420F shall have a minimum tensile strength of 100,000 psi.

Note 6: The material ASTM A582-416 shall have a minimum yield strength of 40,000 psi and a minimum tensile strength of 70,000 psi.

3 of 3

**CSA GROUP**

ATTACHMENT TO  
 C.R.N.: CSA-OE21914.56  
 Signed: [Signature]  
 1/8 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

HSB Registration Services  
595 E. Swedesford Road  
Wayne, Pennsylvania 19087

# *Certificate of Registration*

*This is to certify that:*

**Watson McDaniel Company**  
**428 Jones Boulevard**  
**Limerick Airport Business Center**  
**Pottstown, PA 19464**

*Has established and applied a Quality Management System for:*  
**Design, Manufacture and Supply of Quality Steam &  
Fluid Specialty Products**

*Proof has been furnished that the requirements according to:*  
**ISO 9001:2015**  
*are fulfilled.*

**Certificate Number: Q 14**

**Initial Audit Date: August 9, 1995**

**Effective Date: October 26, 2019**

**Expiration Date: October 25, 2022**

**Revision Date:**

  
*Signed on behalf of HSB Registration Services*



Hartford Steam Boiler





March 2019

## **CRN – Canadian Registration Numbers – Saskatchewan**

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of “Fittings”.

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters “CSA” are applied as a prefix to the CRN to indicate which “Fittings” have been registered in this manner. You should inform your clients of this additional marking requirement and that “Fittings” registered by CSA Group are accepted for use in province of Saskatchewan, Canada.

178 Rexdale Blvd.  
Toronto, Ontario  
Canada M9W 1R3  
Tel: (416) 747-4000  
[www.csagroup.org](http://www.csagroup.org)

