



To:	TSSA	From:	Janet Townsend
Company:	Watson McDaniel	Phone:	416-747-4291
Pages:	7	Location:	Toronto
Our File:	ANR-5155	Date:	November 8, 2018

Your File: 2419108

**Subject: Request for Design Registration**

Dear Ms. Francis,

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-0C20643.56.

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)

REGISTERED



CRN: CSA-OC20643.56

# Statutory Declaration Registration of Fittings

Registration Process administered by  
CSA Group per CSA B51



## (a) Design Qualification

1. 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: B31.1 & B31.3

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<sup>2</sup> covered by this declaration, for which I seek registration, are CATEGORY C VALVES AND PILOTS

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

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

Jay Goldberg, Notary Public

Limerick Twp., Montgomery County

My Commission Expires June 28, 2020

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Declared before me at Pottstown

In the of State of Pennsylvania

The 4th day of June AD 2018

Jay Goldberg  
A (commissioner for oaths)

[Signature]  
Signature of Declarer<sup>1</sup>

### For Official Use Only

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

This registration must be revalidated after ten (10) years from the date of acceptance. Aug. 22. 2028

Registered Number CRN CSA-OC20643.56

For the Chief Inspector

Date



A. BANWATT  
Oct. 29. 2018

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



**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  
(title of recognized North American Standard)
- 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 C VALVES AND PILOTS

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 4th day of June 2018

Jay Goldberg  
(print name)

COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
Jay Goldberg, Notary Public  
Limerick Twp., Montgomery County  
My Commission Expires June 28, 2020  
MEMBER PENNSYLVANIA ASSOCIATION OF NOTARIES

Jay Goldberg  
(Signature of Commissioner of Oaths)

[Signature]  
(Signature)

**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 C

CSA-OC 20643.56  
(Registration Number)

Oct. 29. 2018  
(Date Registered - MM DD YYYY)  
(For the Administrator / Chief Inspector)

Aug. 22. 2028  
(Expiry Date - MM DD YYYY)

A. BANWATT





345 Carlingnew Drive  
Toronto Ontario M9W 6N9  
Tel: 416 734 3300  
Fax: 416 231 1825  
Toll Free: 1 877 682 8772

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

August 22, 2018

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

Service Request Type: BPV-Fitting Registration  
Service Request No.: 2367374  
Your Reference No.: R-0939  
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.: 0C20643.5  
Main Design No.: Pilot-Operated Regulating Valves - See Scope of Registration (03-AUG-18)  
Expiry Date: 22-Aug-2028

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)

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**ATTACHMENT TO**

**C.R.N.:** CSA-0C20643.56

**Signed:** [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

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



**SCOPE OF CRN REGISTRATION**

Product Description	Model	Design Code	Size Range	End Connection Inlet/Outlet	Material Specification	MAWP at MAWT (psig)	Report Number
Main Valve	HD	ASME B31.1, ASME B31.3	1/2", 3/4", 1", 1-1/4", 1-1/2", 2"	NPT	Ductile Iron ASTM A536 Grade 65-45-12	300 psig at 450°F	R-0939A
Main Valve	HD	ASME B31.1, ASME B31.3	1", 1-1/2", 2", 2-1/2", 3", 4", 6"	CL. 150 Flanged	Ductile Iron ASTM A536 Grade 65-45-12	150 psig at 450°F	R-0939A
Main Valve	HD	ASME B31.1, ASME B31.3	1", 1-1/2", 2", 2-1/2", 3", 4", 6"	CL. 300 Flanged	Ductile Iron ASTM A536 Grade 65-45-12	300 psig at 450°F	R-0939A
Solenoid Pilot	PS	ASME B31.1, ASME B31.3	Bolts to HD Main Valve		Body: Cast Iron ASTM A126-B, Cover: Carbon Steel ASTM A36	250 psig at 450°F	R-0939B
Temperature Pilot	PT & PTRP	ASME B31.1, ASME B31.3	Bolts to HD Main Valve		Carbon Steel ASTM A216-WCB	300 psig at 450°F	R-0939C
Pressure Pilot	PP	ASME B31.1, ASME B31.3	Bolts to HD Main Valve		Carbon Steel ASTM A216-WCB	300 psig at 450°F	R-0939D
Pressure Pilot High Accuracy	PP5	ASME B31.1, ASME B31.3	Bolts to HD Main Valve		Body: Carbon Steel ASTM A216-WCB, Cover: Cast Iron ASTM A126-B	250 psig at 450°F	R-0939D
Back Pressure Pilot	PBP	ASME B31.1, ASME B31.3	Bolts to HD Main Valve		Carbon Steel ASTM A216-WCB	300 psig at 450°F	R-0939D
Air Pilot	PA	ASME B31.1, ASME B31.3	Bolts to HD Main Valve		Body: Carbon Steel ASTM A216-WCB, Cover: Cast Iron ASTM A126-B	250 psig at 450°F	R-0939D

Note 1: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 2: In all cases the pressure-temperature ratings of the valves may be limited by the seat and seal materials. Consult Watson McDaniel literature.

**ATTACHMENT TO**  
 C.K.N. CSA-CC20643.50  
 Signed: [Signature]  
 178 Roxdale Boulevard Toronto, ON Canada M9W 1R3

**THIS IS PART OF**  
**CRN 0020643.5**  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

**2.6. 8/22/18**



# CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**Watson McDaniel**  
**428 Jones Blvd.**  
**Pottstown, Pennsylvania 19464**

SCOPE:


**Manufacture of pressure vessels at the above location only**

AUTHORIZED: **October 2, 2017**

EXPIRES: **October 25, 2020**

CERTIFICATE NUMBER: **29,263**

  
Board Chair, Conformity Assessment

  
Managing Director, Conformity Assessment



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Toronto, Ontario  
Canada M9W 1R3  
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March 2017

## **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 Saskatchewan Canada.