



To:	TSSA	From:	Janet Townsend
Company:	Badger Meter Inc. Tulsa Division	Phone:	416-747-4291
Pages:	7	Location:	Toronto
Our File:	ANR-5294	Date:	March 19, 2019

Your File: 2512400

**Subject: Request for Design Registration**

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Badger Meter Inc. Tulsa Division

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-0C21098.56.

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-OC21098.56

Registration Process administered by  
CSA Group per CSA B51

## Statutory Declaration Registration of Fittings

### (a) Design Qualification

<sup>†</sup> Gary Bowden

**Manager - Quality Assurance**

(Position eg. president, plant manager, chief eng.)

Of

**Badger Meter Inc. Tulsa Division**

(name of company)

**Located at**

6166 E 15th Street, Tulsa, OK 74112 USA

**(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 ASME B31.3  
\_\_\_\_\_ 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 9001:2015 \_\_\_\_\_, and has been verified by the following authority or authorized agency DQS Inc

The fittings<sup>2</sup> covered by this declaration, for which I seek registration, are **category C (valves)**

In support of the application, the following information, calculations and/or test data are attached:  
 HP-10 RCV-DS-01043-EN-01 catalogue; HP-60 RCV-DS-00573-EN-02 catalogue; Scope of registration summary SOR-3M-HP-REV0

Declared before me at RACINE

In the of WISCONSIN of USA

The 16 Day of NOVEMBER AD ~~19~~ 2018

Donald A. Paul  
A (commissioner for paths)

Signature of Declarant \_\_\_\_\_

**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. Feb. 12. 2029

Registered Number CRN CSA-OC21098.56

For the Chief Inspector

Date \_\_\_\_\_

A. BANWATT

May - 18 - 2019

- 1 *Three completed copied 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 of highest official in the manufacturing plant where the fitting is produced.*



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



# Technical Safety Authority of Saskatchewan

REGISTERED

CRN: CSA-OC21098.56

Registration Process administered by  
CSA Group per CSA B51



2202 2nd Ave.  
Regina, SK S4R 1K3  
PH: (306) 788-7112 Toll Free: (866) 530-8599  
FAX: (306) 787-9273 Toll Free: (866) 780-9255  
Email: [boilerpermits@tsask.ca](mailto:boilerpermits@tsask.ca)  
Website: [www.tsask.ca](http://www.tsask.ca)

## Statutory Declaration (Registration of Fittings)

TSK-1008

### I. Declaration Information

I, Gary Bowden

Manager - Quality Assurance

(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)

of: Badger Meter Inc. Tulsa Division

(name of manufacturer)

located at: 6166 E 15th Street

(Plant Address - Apt/Street)

Tulsa, OK USA

(City, Prov)

74112

(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 \_\_\_\_\_ which specifies the dimensions,  
(title of recognized North American Standard)

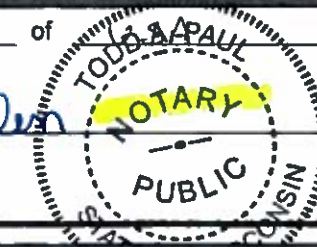
Materials of construction, pressure / temperature ratings and identification marking of the fittings, or

☒ Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3 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, DQS Inc. 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 (valve)

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

HP-10 RCV-DS-01043-EN-01 catalogue; HP-60 RCV-DS-00573-EN-02 catalogue; Scope of registration summary SOR-BM-HP-REV0



### II. Declaration

DECLARED before me at RAUNE In the WISCONSIN of

this 16 day of NOVEMBER, 2018

TODD A. PAUL

(print name)

Todd A. Paul

(Signature of Commissioner of Oaths)

Gary Bowden

(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-OC21098.56

(Registration Number)

Mar - 18 - 2019

(Date Registered - MM DD YYYY)

(For the Administrator / Chief Inspector)

Feb - 12 - 2029

(Expiry Date - MM DD YYYY)

A. BANWATT



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

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



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)

February 12, 2019

TODD PAUL  
BADGER METER INC  
4545 W BROWN DEER RD  
MILWAUKEE WI 53223  
US

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 2487138  
**Your Reference No.:**  
**Registered to:** BADGER METER INC

Dear TODD PAUL,

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

**CRN :** 0C21098.5  
**Main Design No.:** HP-10 RCV-DS-01043-EN, HP-60 RCV-00573-EN  
**Expiry Date:** 12-Feb-2029

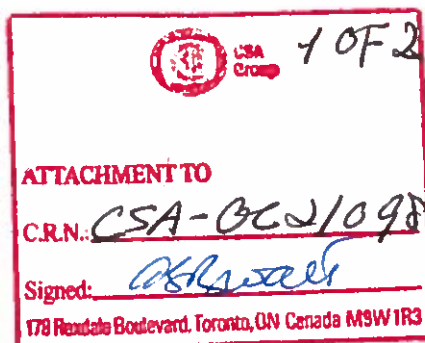
Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

**See one sheet of attachment to Statutory Declaration for Scope of registration.**

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](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,

Kaivan Kia P. Eng., PMP  
Mechanical Engineer, BPV  
Tel. : 416-734-3457  
Fax : 416-231-6183  
Email : [kkia@tssa.org](mailto:kkia@tssa.org)







Badger Meter

**THIS IS PART OF**  
**CRN OC 210985**  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels  
Safety Program

Badger Meter  
8635 Washington Ave.  
Racine, WI 53406-1580

## 2.1 Scope of Registration

Table 2.1a below indicates the range of products included in this registration.

**Table 2.1a Badger Meter Scope of Registration- ASME B31.3 (SOR-BM-HP-Rev0)**

Valve	Size	Material		MAWP at Ambient Temperature- 100°F (psi)	Design Temperature °F	MAWP at Design Temperature (psi)
		Body	Bonnet/Adopter			
HP-10, Angle Body	1/4" NPT	INCOLOY ASTM B408 N08811- 316/316L ASTM A479 S31600/S31603	ASTM B164 N04400	10,000	900	4,790
			ASTM B574 N10276 - ASTM A479 S31600/S31603		1000	6,228
HP-10, Globe Body	1/4" NPT	HAST-C ASTM B574 N10276 - MONEL ASTM B164 N04400 - 316/316L ASTM A479 S31600/S31603	ASTM B164 N04400	10,000	900	4,790
			ASTM B574 N10276 ASTM A479 S31600/S31603		1000	6,228
HP-10, Angle Body	1/2" NPT	316/316L ASTM A479 S31600/S31603	ASTM B164 N04400	10,000	900	4,790
			ASTM A479 S31600/S31603		1000	6,228
HP-10, Globe Body	1/2" NPT	MONEL ASTM B164 N04400- INCOLOY ASTM B408 N08811 316/316L ASTM A479 S31600/S31603 HAST-C ASTM B574 N10276	ASTM B164 N04400	10,000	900	4,790
			ASTM A479 S31600/S31603		1000	6,228
HP-60	1/4" NPS	17-4 PH ASTM A564 type 630 S17400	ASTM A564 S17400	10,000	900	55,803
			ASTM A304 S304		650	
			ASTM A479 S31600/S31603		1000	

10,000  
CSA-OC 210985  
Signed: [Signature]  
650  
178 Beaudette Boulevard, Toronto, ON Canada M9W 1R3



# CERTIFICATE



This is to certify that

## **Badger Meter Inc.**

Tulsa Division

6116 E. 15th Street

Tulsa, OK 74112

United States of America

has implemented and maintains a **Quality Management System**.

Scope:

Manufacture of research control valves and flow measurements products.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

**ISO 9001 : 2015**

Certificate registration no. 10012834 QM15

Date of original certification 2014-01-09

Date of certification 2017-01-05

Valid until 2020-01-04



**DQS Inc.**

Ganesh Rao  
Managing Director

Accredited Body: DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA





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.