

REGISTRATION OF A PRESSURE FITTING DESIGN

30-Apr-21

TSSA
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

Attention: Cecylia Garbacz

File Number: 12017 [0 F]

Re: Manufacturer: Watson McDaniel Company
Item: Steam Traps
Catalog or Drawing: Scope of Registration (29-Nov-20)

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OE22973.53 Expiry Date: January 27, 2031

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,



Athan Syrgiannis, P.Eng.
Codes and Standards Compliance

Remarks:

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

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 B16.34, ASME B31.1, ASME B31.3 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 _____ 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: 2015 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 AND BLOWDOWN VALVE ASSEMBLY

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 2nd day of December, 2020
Robert T Hickey (print name) [Signature] (Signature)
[Signature] (Signature of Commissioner of Oaths)

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 _____

(Registration Number)

(Expiry Date – MM DD YYYY)

Commonwealth of Pennsylvania - Notary Seal
Jay Goldberg, Notary Public
Montgomery County
My commission expires June 28, 2024
Commission number 1299266
Member, Pennsylvania Association of Notaries



**Technical
Safety Authority
of Saskatchewan**

Registration No. OE22973.53
File No. 12017
Registered
Date: April 30, 2021
Expiry Date: January 27, 2031
Codes & Standards Compliance Office

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TSK-1008

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II. Declaration

DECLARED before me at Pittstown In the State of Pennsylvania
this 2nd day of December, 2020

ROBERT T Hickey
(print name)

[Signature]
(Signature)

[Signature]
(Signature of Commissioner of Oaths)

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Registered

Codes & Standards Compliance Office

SCOPE OF CRN REGISTRATION

Product Description	Design Code	Material Specification	Series / Drawing	Size Range	Inlet/ Outlet	MAWP at 100°F	MAWP at MAWT (psig at °F)	Report Number
Bi-Metal Steam Trap Assembly	ASME B16.34, ASME B31.3, ASME B31.1	Carbon Steel ASTM A105 (Note 4)	BM300	1/2", 3/4", 1"	NPT, Socket Weld, CL300 Flanged (Note 5)	740 psig	740 psig at 100°F 680 psig at 200°F 655 psig at 300°F 635 psig at 400°F 605 psig at 500°F 570 psig at 600°F 550 psig at 650°F 530 psig at 700°F 505 psig at 750°F 410 psig at 800°F	R-1345A Rev. 0
					CL150 Flanged (Note 5)	285 psig	285 psig at 100°F 260 psig at 200°F 230 psig at 300°F 200 psig at 400°F 170 psig at 500°F 140 psig at 600°F 125 psig at 650°F 110 psig at 700°F 95 psig at 750°F 80 psig at 800°F	
Steam Trap Blowdown Valve Assembly	ASME B31.3, ASME B31.1	Stainless Steel ASTM A479-304	WBLDNVLV- Traps	1-1/8"	16-UN-2A	2500 psig	2500 psig at 1000°F (Note 6)	R-1345B Rev. 0



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.



SCOPE OF CRN REGISTRATION

Note 3: Per ASME B16.34 para. 2.3.2. the pressure rating for service at any temperature below -20F shall be no greater than the ASME B16.34 ratings for -20F. Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.

Note 4: Other ASME B16.34 materials may be supplied for the BM300 Bi-Metal Steam Trap Assembly under this CRN. When this is the case the pressure-temperature ratings are to be in accordance with the applicable ASME B16.34 Table 2 ratings.

Note 5: When ASME B16.5 CL. 150 and CL. 300 flanges are used the pressure-temperature ratings are to be limited to the applicable ASME B16.34 Table 2 ratings for each pressure class. When CL. 600 flanges or higher pressure class flanges are used the pressure-temperature ratings in all cases are limited to CL. 300.

Note 6: Blowdown Valve Assembly pressure-temperature ratings may be limited by the steam trap or strainer pressure-temperature ratings in which it is installed.

A registration stamp from the Technical Safety Authority of Saskatchewan. It includes a grid logo, the organization's name, and registration details: Registration No. OE22973.53, File No. 12017, Date: April 30, 2021, and Expiry Date: January 27, 2031. A 'Registered' button is present, and the stamp is issued by the Codes & Standards Compliance Office.

Technical
Safety Authority
of Saskatchewan

Registration No. OE22973.53

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