

REGISTRATION OF A PRESSURE FITTING DESIGN

December 28, 2023

Round Engineering Inc.
10 Segwun Road
Waterdown, ON
Canada
L8B 0K6

Attention: Scott Islip

File Number: 100236

Re: Manufacturer: Watson McDaniel

Item: Float and Thermostatic Steam Trap

Catalog or Drawing: Scope of CRN Registration & Design Report R-2011 Rev. 0

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:

0E2333.3

Expiry Date: 2033-12-28

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,



Williams Uju, 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, B31.3, B31.1 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: 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 - FT600 STEAM TRAP

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 ROYALSTON PA In the COUNTY of MONTGOMERY
this 24 day of DECEMBER, 2023
Robert Hickey Commonwealth of Pennsylvania - Notary Seal
(print name) DAVID A. GIBBONS, Notary Public
DAVID A. GIBBONS (Signature)
Montgomery County
My Commission Expires September 24, 2024
(Signature of Commissioner of Oaths) Commission Number 1058193

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 _____



**Technical
Safety Authority
of Saskatchewan**

Registration No. 0E2333.3
File No. 100236
Date: Dec. 28, 2023
Expiry Date: December 28, 2033
Codes & Standards Compliance Office

(Date Registered – MM DD YYYY) (Expiry Date – MM DD YYYY)
(For the Administrator / Chief Inspector)

WATSON MCDANIEL

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



22-Dec-23

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SCOPE OF CRN REGISTRATION

Product Description	Series	Size Range	Design Code	Material Specification	Inlet/Outlet	MAWP at 100°F	MAWP at MAWT (psig at °F)	Report Number
Float and Thermostatic Steam Trap	FT600	3", 4"	ASME B16.34, ASME B31.1, ASME B31.3	Carbon Steel ASTM A216-WCB, ASTM A105, ASTM A106-B	NPT, Socket Weld, CL150 Flanged, CL300 Flanged, CL600 Flanged	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 150 psig at 567°F	R-2011 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.

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: When ASME B16.5 CL. 300 and CL. 600 flanges are used the pressure-temperature ratings of the steam traps are to be limited to the applicable ASME B16.34 Table 2 CL150 ratings.

Note 5: Pipe used in flanged connections shall be carbon steel ASTM A106-B schedule 80 minimum thickness per ASME B36.10. Flanges shall be stainless steel ASTM A105 or any other ASME B16.5 Group 1 listed material.

Registration No. <u>0E2333.3</u>
File No. <u>100236</u>
<input type="button" value="Registered"/>
Date: <u>Dec. 28, 2023</u>
Expiry Date: <u>December 28, 2033</u>
Codes & Standards Compliance Office