

August 27, 2020

**Attention:** Scott Islip  
ROUND ENGINEERING INC  
10 SEGWUN ROAD  
WATERDOWN, ON L8B 0K6

The design submission, tracking number 2020-04223, originally received on August 25, 2020 was surveyed and accepted for registration as follows:

**CRN :** 0E11814.2 **Accepted on:** August 27, 2020  
**Reg Type:** RENEWAL **Expiry Date:** August 27, 2030  
**Drawing No. :** 2354900 Rev B  
**Fitting type:** STEAM TRAP

Design registered in the name of : WATSON MCDANIEL COMPANY

Description	MAWP	Design Temperature	MDMT
Internal Pressure	862kPa	204 °C	-29 °C

**The registration is conditional on your compliance with the following notes:**

*As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is ASME B31.3.*

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3303 or fax (780) 437-7787 or e-mail [Nikic@absa.ca](mailto:Nikic@absa.ca).

Sincerely,



NIKIC, MILAN, P. Eng.  
DOP Cert. No. D00009641

**STATUTORY DECLARATION  
Registration of Fittings**  
Single or Multiple Fitting Designs within one Fitting Category

I, ROBERT HICKEY, GENERAL MANAGER  
(name of applicant) (position title) (must be in a position of authority)  
of WATSON MCDANIEL  
(name of manufacturer)  
located at 428 JONES BLVD., POTTSTOWN, PENNSYLVANIA, 19464  
(plant address)

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

**AMSCO**

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only one)

- comply with the requirements of 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 (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

**Quality Program Verification and Manufacturing Sites**

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	WTT-129222-001 STEAM TRAP	ISO 9001:2015	Design, Manufacture and Supply of Quality Steam & Fluid Specialty Products	October 25, 2022	HSB Registration Services	428 JONES BLVD., POTTSTOWN, PENNSYLVANIA, 19464
2.						

Tracking #: \_\_\_\_\_

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

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

(Signature of the Declarer)

8/17/20 (Date)

DECLARED before me at Pottstown in the State of Pennsylvania

this 17th day of August, 2020

(print) JAY Goldberg (a Commissioner of Oaths or Notary Public)

(sign) [Signature] (a Commissioner of Oaths or Notary Public)

06/28/2024 (expiry date (mm/dd/yy))

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:

Commissioner of Oaths / Notary Public in and for: Montgomery County, Pennsylvania

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category: CRN: Registered Date: Expiry Date: Signature: (Signature of the Administrator/SCO) The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

2020-04223 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0E11814.2 See acceptance letter for conditions of registration. Date: 2020-08-27 By: [Signature] MILAN NIKIC, P. Eng. This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

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



11-Aug-20

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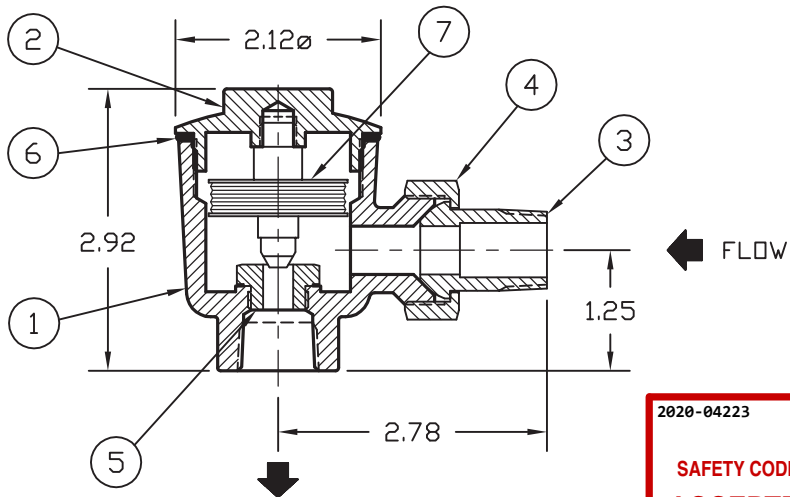
**SCOPE OF CRN REGISTRATION**

<b>Product Description</b>	<b>Design Code</b>	<b>Material Specification</b>	<b>Series</b>	<b>Size Range</b>	<b>Inlet/Outlet</b>	<b>MAWP at 100°F</b>	<b>MAWP at MAWT (psig at °F)</b>	<b>Report Number</b>
Thermostatic Steam Trap	ASME B31.3	Brass ASTM B283 C37700	WTT-129222-001	1/2"	NPT	125 psig	125 psig at 400°F	R-1300

**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.



MODEL	WTT-129222-001
PMO	125 psig
SIZES	1/2"
CONNECTIONS	NPT
CONSTRUCTION	BRASS

CAPACITY (lb/hr) at 10°F below saturation							
MODEL	ORIFICE (in.)	DIFFERENTIAL PRESSURE (psi)					
		5	10	20	50	100	125
WTT-129222-001	5/16	860	1220	1725	2725	3575	3850

2020-04223

**ABSA**  
SAFETY CODES ACT - PROVINCE OF ALBERTA  
**ACCEPTED: 0E11814.2**  
See acceptance letter for conditions of registration.  
Date: 2020-08-27 By: *Milani Nikic*  
MILAN NIKIC, P. Eng.

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

CONSTRUCTION MATERIAL

ITEM	PART	MATERIAL
1	BODY	ASTM B283 C37700
2	COVER	ASTM B283 C37700
3	UNION NIPPLE	ASTM B283 C37700
4	UNION NUT	ASTM B283 C37700
* 5	SEAT	303 S.S.
* 6	GASKET	NON ASBESTOS
* 7	THERMAL ELEMENT	S.S. SK2811-8

NOTES

- APPROX. WEIGHT: 1.5 LBS.
- TRAP SHALL OPERATE WITHIN 10°F OF SATURATION TEMPERATURE.
- LIMITING OPERATING CONDITIONS  
MAX. OPERATING CONDITIONS (PMO):  
125 psig  
MAX. OPERATING TEMPERATURE (TMO):  
20°F ABOVE SATURATION TEMPERATURE
- PRESSURE SHELL DESIGN  
MAX. ALLOWABLE PRESSURE (PMA)  
125 psig  
MAX. ALLOWABLE TEMPERATURE (TMA)  
400 °F
- ORDERING INFORMATION:  
PART NO.: WTT-129222-001
- MINIMUM DESIGN METAL TEMPERATURE (MDMT) -20°F
- DESIGNED TO ASME B31.3

\* KIT NO.: W-KIT-7644080001

Dimensional Tolerances Unless Otherwise Specified

**Machining**  
Fractions: ±1/64", Angles: ±1°  
Decimals: Two Place ±.01, Three Place ±.005  
Unmarked Surface Finishes 125/ or Better  
**Castings:**  
<1": ±1/64", 1"-12": ±1/32", >12": ±1/16"  
Angles: ±1°, Concentricity: .03 T.I.R.

Fabricate per ASME B31.9/.3, Inspect per Para 936.4.1 /344.2.1 for system pressure to 150/200 PSIG. Fabricate vessels per ASME Sec VIII, Div 1. Latest Addenda.

This drawing is the property of Watson McDaniel Company and cannot be used for any purpose whatsoever without express written permission of the company.



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Limerick Airport Business Center  
Pottstown, PA 19464  
Phone: (610)495-5131  
Fax: (610)495-5134  
www.watsonmcdaniel.com

THERMOSTATIC STEAM TRAP  
MODEL WTT-129222-001

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	A	RELEASED	27SEP05	LGH		
REV		DESCRIPTION	DATE	BY	Drawn LGH Checked REC Date 22SEP05 Scale 1/2 Part No. Size A	