

March 10, 2020

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2020-01000, originally received on February 20, 2020 was surveyed and accepted for registration as follows:

CRN : 0E22093.52 **Accepted on:** March 10, 2020
Reg Type: NEW DESIGN **Expiry Date:** December 31, 2029
Drawing No. : SEE SCOPE OF CRN REGISTRATION
Fitting type: LIQUID DRAINER/AIR ELIMINATOR SERIES
Design registered in the name of : WATSON MCDANIEL COMPANY

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 are ASME B31.1 and ASME B31.3.

- *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.

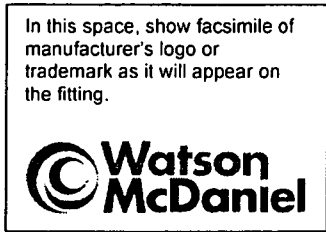
If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3377 or fax (780) 437-7787 or e-mail Barut@absa.ca.

Sincerely,



BARUT, VINČE, P. Eng.
DOP Cert. No. D00005723

STATUTORY DECLARATION Registration of Fittings



I, ROBERT HICKEY, GENERAL MANAGER of WATSON MCDANIEL located at 428 JONES BLVD., POTTSTOWN, PENNSYLVANIA, 19464

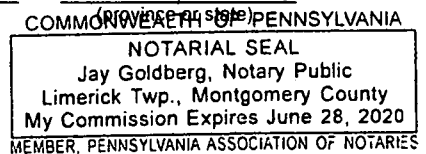
do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ASME B31.1, B31.3 which specifies the dimensions, 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

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001 HSB as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY E - LIQUID DRAINERS AND AIR ELIMINATORS

In support of this application, the following information, calculations and/or test data are attached: SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

DECLARED before me at Pottstown in the State of Pennsylvania this 16th day of December, 2019



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

[Signature] (signature of applicant)

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, Clause 4.2, and is accepted for registration in Category E

Registration Number: OE22093.52

[Signature] (Signature of the Administrator/SCO)

Date Registered: MAR 10 2020

Expiry Date: DEC. 31, 2029

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



28-Nov-19

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SCOPE OF CRN REGISTRATION

Product Description	Design Code	Material Specification	Series	Size Range	Inlet/Outlet	MAWP at 100°F	MAWP at MAWT (psig)	Report Number
Liquid Drainers, Air Eliminators	ASME B31.1, ASME B31.3,	Stainless Steel ASTM A351-CF3 Stainless Steel ASTM A213-304L Stainless Steel ASTM A269-304L	WLD1800, AE1800	1/2" x 1/2", 3/4" x 1/2" 3/4" x 3/4"	NPT	400 psig	400 psig at 500°F	R-1179

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.

Note 4: In accordance with ASME B31.1 para 123.1.2(D) when this product is used under the ASME B31.1 code the owner must accept the use of the following non listed materials:

- Type 304L Stainless Steel ASTM A269-304L

In all cases the above unlisted materials shall only be used for nonboiler external piping.

Note 5: Type 304, 316L and Type 316 may substitute for Type 304L stainless steel.

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HSB Registration Services
595 E. Swedesford Road
Wayne, Pennsylvania 19087

Certificate of Registration

This is to certify that:

Watson McDaniel Company
428 Jones Boulevard
Limerick Airport Business Center
Pottstown, PA 19464

Has established and applied a Quality Management System for:
**Design, Manufacture and Supply of Quality Steam &
Fluid Specialty Products**

Proof has been furnished that the requirements according to:
ISO 9001:2015
are fulfilled.

Certificate Number: Q 14

Initial Audit Date: August 9, 1995

Effective Date: October 26, 2019

Expiration Date: October 25, 2022

Revision Date:

0 E 2 2 0 9 3 . 5 2


Signed on behalf of HSB Registration Services



Hartford Steam Boiler

