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April 09, 2020

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2795458
Your Reference No.: R-1233
Registered to: WATSON MCDANIEL

Dear SCOTT ISLIP,

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

CRN No.: 0C22334.5
Main Design No.: UTS600 TRAP TEST VALVE STATION - SEE SCOPE OF REGISTRATION
Expiry Date: 09-Apr-2030

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

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail 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,

Norman Ngai, P. Eng.
Mechanical Engineer
Boilers and Pressure Vessels
Safety Program
Tel. : 416-734-3557
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Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
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Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



STATUTORY DECLARATION Registration of Fittings

I, ROBERT HICKEY, GENERAL MANAGER
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of WATSON MCDANIEL
(Name of Manufacturer)

Located at 428 JONES BLVD., POTTSTOWN, PENNSYLVANIA, 19464 610-495-5131 610-495-5134
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B16.34, ASME B31.3, ASME B31.1
(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001 which has been verified by the following authority, HSB

The items covered by this declaration, for which I seek registration, are category C - Trap Test Valve Station type fittings. In support of this application, the following information and/or test data are attached as follows:

SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS
(drawings, calculations, test reports, etc.)

NOTE: PLEASE SEE ATTACHED 3 PAGES FOR SCOPE OF REGISTRATION. N.Y. APR. 9, 2020.

Declared before me at Pottstown in the State of Pennsylvania

the 25th day of February AD 2020.

COMMONWEALTH OF PENNSYLVANIA
 NOTARIAL SEAL
 Jay Goldberg, Notary Public
 Limerick Twp., Montgomery County
 My Commission Expires June 28, 2020
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Commissioner for Oaths:
Jay Goldberg
(Printed name)

(Signature)

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category C.

CRN: OC 22334.5
 Registered by: NORMAN NGAI
 Dated: APR. 9, 2020,

NOTE: This registration expires on: APR. 9, 2030.

Technical Standards and Safety Authority **Boilers and Pressure Vessels Safety Program**

REGISTERED

CRN: OC 22334.5

Signed: Norman Ngai

Date: APR. 9, 2020.

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

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



18-Feb-20

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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
Trap Test Valve Station	ASME B16.34, ASME B31.3, ASME B31.1,	Stainless Steel ASTM A351-CF8M Stainless Steel ASTM A312-316 Stainless Steel ASTM A182-316	UTS600	1/2", 3/4" 1"	NPT, Socket Weld, CL600 Flanged	1440 psig	1440 psig at 100°F 1240 psig at 200°F 1120 psig at 300°F 1025 psig at 400°F 955 psig at 500°F 900 psig at 600°F 885 psig at 650°F 870 psig at 700°F 855 psig at 750°F 845 psig at 800°F	R-1233
					CL300 Flanged	720 psig	720 psig at 100°F 620 psig at 200°F 560 psig at 300°F 515 psig at 400°F 480 psig at 500°F 450 psig at 600°F 440 psig at 650°F 435 psig at 700°F 425 psig at 750°F 420 psig at 800°F	
					CL150 Flanged	275 psig	275 psig at 100°F 235 psig at 200°F 215 psig at 300°F 195 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	

THIS IS PART OF
CRN 0C22334.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety N.Y.

APR. 9. 2020.

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SCOPE OF CRN REGISTRATION

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: Other ASME B16.34 materials may be supplied. When this is the case the pressure-temperature ratings of the valves 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 of the valves are to be limited to the applicable ASME B16.34 Table 2 ratings for each pressure class.

Note 6: Pipe used in flanged connections shall be stainless steel ASTM A312-316 schedule 40 minimum thickness per ASME B36.19M. Flanges shall be stainless steel SA182-316 or any other ASME B16.5 Table II-2-2.2 listed material.



APR. 9. 2020.