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August 18, 2022

ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L8B 0K6  
CANADA

**Workorder Type:** Registration - Fitting(Conventional)  
**Workorder No:** 8090435  
**Your Reference No.:** R-1661  
**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 : 0H24139.5  
Main Design No.: Pressure Motive Pump PMPT & PMPNT – Scope of CRN Registration  
Expiry Date: Aug 18, 2032

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 (There will be no hard copies for electronic submissions). 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](mailto: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,

Wendy Du  
Engineer, BPV  
Tel. : +1 416-734-3566  
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Technical Standards and Safety Authority  
345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
www.tssa.org

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 Section VIII-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 9001:2015 which has been verified by the following authority, HSB

The items covered by this declaration, for which I seek registration, are category H - PMPT / PMPNT 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.)

Declared before me at Pottstown in the State of Pennsylvania

the 9th day of March AD 2022

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 for Oaths:  
Jay Goldberg  
(Printed name)  
[Signature]  
(Signature)

[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 \_\_\_\_\_.

CRN: \_\_\_\_\_

Registered by: \_\_\_\_\_

Dated: \_\_\_\_\_

NOTE: This registration expires on: Aug. 18, 2032

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0H24139.5

Signed: W12

Date: August 18, 2022.

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



**SCOPE OF CRN REGISTRATION**

Product Description	Design Code	Material Specification	Series	Process Connections	MAWP at 100°F	MAWP at MAWT (psig at °F)	MDMT	Report Number
Pressure Motive Pump	ASME Section VIII-1	Ductile Iron ASME SA-395 60-40-18, Carbon Steel ASME SA-216-WCB, Stainless Steel ASME SA-351-CF3	PMPT with Trap, PMPNT No Trap	1-1/2" FNPT Inlet, 2" FNPT Outlet	150/FV psig	150/FV psig at 450°F	-20°F	R-1661 Rev. 0

**Note 1:** MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature, FV = Full Vacuum

**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.

**THIS IS PART OF CRN**  
 0H24139.5  
 Technical Standards and Safety Authority  
 Boilers and Pressure Vessels Safety  
 Program