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November 08, 2018

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

Service Request Type.: BPV-National BC  
Service Request No.: 2419084  
Your Reference No.: R-0939  
Registered to.: WATSON MCDANIEL

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0C20643.51.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.  
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis  
Administrative Assistant\_ BPV Engineering  
Tel. : 416-734-3423  
Fax : 416-231-6183  
Email : [tfrancis@tssa.org](mailto:tfrancis@tssa.org)

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TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO ON M9W 6N9

**Date:** October 18, 2018  
**Account #:** 35231  
**Journal #:** 71921

**Attn:** TANYA FRANCIS

**Re:** Application for Design Registration

The design, as detailed in your, TSSA SR#2419084, for a Fitting is accepted for registration as follows:

**Registered To:** WATSON MCDANIEL COMPANY **CRN:** 0C20643.51

**Drawing #:** Report R-0939A/B/C/D

**Drawing Revision:** 0

**Conditions Of Registration:**

Registration of Pilot Operated Regulating Valves as per attached SOR.

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

**Reviewer's Notes:**

As required by CSA B51 4.2.1, this registration expires on August 22, 2028. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

Emilia Tam

emilia.tam@technicalsaftybc.ca  
Design Administration

**cc:**



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

03-Aug-18

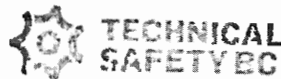
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**SCOPE OF CRN REGISTRATION**

| Product Description          | Model     | Design Code             | Size Range                         | End Connection Inlet/Outlet | Material Specification   | MAWP at MAWT (psig) | Report Number |
|------------------------------|-----------|-------------------------|------------------------------------|-----------------------------|--|---------------------|---------------|
| Main Valve                   | HD        | ASME B31.1, ASME B31.3. | 1/2", 3/4", 1", 1-1/4", 1-1/2", 2" | NPT                         | Ductile Iron ASTM A536 Grade 65-45-12                          | 300 psig at 450°F   | R-0939A       |
| Main Valve                   | HD        | ASME B31.1, ASME B31.3. | 1", 1-1/2", 2", 2-1/2", 3", 4", 6" | CL. 150 Flanged             | Ductile Iron ASTM A536 Grade 65-45-12                          | 150 psig at 450°F   | R-0939A       |
| Main Valve                   | HD        | ASME B31.1, ASME B31.3. | 1", 1-1/2", 2", 2-1/2", 3", 4", 6" | CL. 300 Flanged             | Ductile Iron ASTM A536 Grade 65-45-12                          | 300 psig at 450°F   | R-0939A       |
| Solenoid Pilot               | PS        | ASME B31.1, ASME B31.3. | Bolts to HD Main Valve             |                             | Body: Cast Iron ASTM A126-B, Cover: Carbon Steel ASTM A36      | 250 psig at 450°F   | R-0939B       |
| Temperature Pilot            | PT & PTRP | ASME B31.1, ASME B31.3. | Bolts to HD Main Valve             |                             | Carbon Steel ASTM A216-WCB                                     | 300 psig at 450°F   | R-0939C       |
| Pressure Pilot               | PP        | ASME B31.1, ASME B31.3. | Bolts to HD Main Valve             |                             | Carbon Steel ASTM A216-WCB                                     | 300 psig at 450°F   | R-0939D       |
| Pressure Pilot High Accuracy | PP5       | ASME B31.1, ASME B31.3. | Bolts to HD Main Valve             |                             | Body: Carbon Steel ASTM A216-WCB, Cover: Cast Iron ASTM A126-B | 250 psig at 450°F   | R-0939D       |
| Back Pressure Pilot          | PBP       | ASME B31.1, ASME B31.3. | Bolts to HD Main Valve             |                             | Carbon Steel ASTM A216-WCB                                     | 300 psig at 450°F   | R-0939D       |
| Air Pilot                    | PA        | ASME B31.1, ASME B31.3. | Bolts to HD Main Valve             |                             | Body: Carbon Steel ASTM A216-WCB, Cover: Cast Iron ASTM A126-B | 250 psig at 450°F   | R-0939D       |

Note 1: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 2: In all cases the pressure-temperature ratings of the valves may be limited by the seat and seal materials. Consult Watson McDaniel literature.



CRN #: 0C20643.51  
 Date: OCT 18, 2018.  
 BC J#: 71921

**THIS IS PART OF**  
**CRN 0C20643.5**  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

*z.c. 8/22/18*