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Toll Free: 1.877.682.8772

www.tssa.org

August 22, 2018

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

Service Request Type: BPV-Fitting Registration
Service Request No.: 2367374
Your Reference No.: R-0939
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.: 0C20643.5
Main Design No.: Pilot-Operated Regulating Valves - See Scope of Registration (03-AUG-18)
Expiry Date: 22-Aug-2028

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

A stamped copy of the approved registration and invoice for engineering services will be sent to you shortly. Should you have any questions or require further assistance, however, 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,

A handwritten signature in black ink, appearing to read 'Zivko Gacevic'.

Zivko Gacevic P. Eng.
Mechanical Engineer, BPV
Tel.: 416-734-3429
Fax: 416-231-6183
Email: zgacevic@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

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

(Plant Address)

610-495-5131

(Telephone No.)

610-495-5134

(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 B31.1, ASME B31.3

(Title of recognized North American Standard)

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

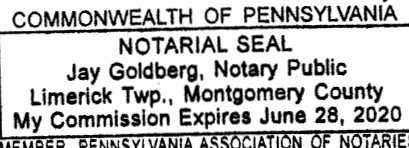
or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the 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 9001:2008 which has been verified by the following authority, HSB

The items covered by this declaration, for which I seek registration, are category C VALVES AND PILOTS type fittings. In support of this application, the following information and/or test data are attached as follows:
SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

(drawings, calculations, test reports, etc.)

Declared before me at Pottstown in the State of Pennsylvania
 the 4th day of June AD 2018.



Commissioner for Oaths:
Jay Goldberg
 (Printed name)
Jay Goldberg
 (Signature)

[Signature]
 (Signature of Declare)

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 20643.5

Registered by: ZIVKO GACELIC

Dated: Aug. 22, 2018

NOTE: This registration expires on Aug 22, 2028

Technical Standards and Safety Authority	Boilers and Pressure Vessels Safety Program
REGISTERED	
C.R.N.: <u>OC 20643.5</u>	
Signed: <u>Sanc Zhu</u>	
Date: <u>Aug 22, 2018</u>	



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.

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

Z. G. 8/22/18