

REGISTRATION OF A PRESSURE FITTING DESIGN

23-Aug-21

TSSA
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

Attention: Cecylia Garbacz

File Number: 12172 [0 F]

Re: Manufacturer: Watson McDaniel Company
Item: HB Series Control Valves
Catalog or Drawing: Per Scope of CRN Registration (09-Apr-21) & Design Report R-1410 Rev. 0

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OC23315.53 Expiry Date: June 17, 2031

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,



Athan Syrgiannis, P.Eng.
Codes and Standards Compliance

Remarks:

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, ROBERT HICKEY
GENERAL MANAGER
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: WATSON MCDANIEL
(name of manufacturer)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



located at: 428 JONES BLVD POTTSTOWN, PENNSYLVANIA 19464, U.S.A.
(Plant Address - Apt/Street) (City, Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- Comply with the requirements of ASME B16.34, ASME B31.1, ASME B31.3 which specifies the dimensions, (title of recognized North American Standard) 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 data which identifies the dimensions, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer 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 manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY C - CONTROL VALVES

In support of this application, the following information, calculations and / or test data are attached:

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

Commonwealth of Pennsylvania - Notary Seal
Jay Goldberg, Notary Public
Montgomery County
My commission expires June 28, 2024
Commission number 1299206

II. Declaration

DECLARED before me at Pottstown In the State of Pennsylvania
this 13th day of April, 2021
Robert Hickey (print name) [Signature] (Signature)
[Signature] (Signature of Commissioner of Oaths)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category _____



**Technical
Safety Authority
of Saskatchewan**

Registration No. OC23315.53
File No. 12172
Registered
Date: August 23, 2021
Expiry Date: June 17, 2031
Codes & Standards Compliance Office

(Date Registered - MM DD YYYY) (Expiry Date - MM DD YYYY)
(For the Administrator / Chief Inspector)

SCOPE OF CRN REGISTRATION

Product Description	Series / Drawing	Size Range	Design Code	Material Specification	Inlet/ Outlet	MAWP at 100°F	MAWP at MAWT (psig at °F)	Report Number
HB Series Control Valves	HB-12-X, HB-13-X, HB-14-X, HB-16-X, HB-17-X	1/2", 3/4", 1", 1-1/2", 2"	ASME B16.34	Stainless Steel ASTM A351-CF8M (Note 4)	NPT, Socket Weld	720 psig	720 psig at 100°F 620 psig at 200°F 560 psig at 300°F 515 psig at 400°F 497.5 psig at 450°F	R-1410A Rev. 0
			ASME B31.1, ASME B31.3	Stainless Steel ASTM A351-CF8M, ASTM A312-TP316, ASTM A182-F316	CL300 Flanged (Note 5,6)	720 psig	720 psig at 100°F 620 psig at 200°F 560 psig at 300°F 515 psig at 400°F 497.5 psig at 450°F	R-1410A Rev. 0
			ASME B31.1, ASME B31.3	Stainless Steel ASTM A351-CF8M, ASTM A312-TP316, ASTM A182-F316	CL150 Flanged (Note 5,6)	275 psig	275 psig at 100°F 235 psig at 200°F 215 psig at 300°F 195 psig at 400°F 182.5 psig at 450°F	R-1410A Rev. 0



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 for NPT and Socket Weld Valves under this CRN. When this is the case the pressure-temperature ratings are to be in accordance with the applicable ASME B16.34 Table 2 ratings.

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



09-Apr-21

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SCOPE OF CRN REGISTRATION

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-TP316 schedule 80 minimum thickness per ASME B36.19M. Flanges shall be stainless steel ASTM A182-F316 or any other ASME B16.5 Table II-2-2.2 listed material.

	Technical Safety Authority of Saskatchewan
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	<input type="button" value="Registered"/>
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