

August 20, 2021

Attention: Cecylia Garbacz
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2021-04158, originally received on August 03, 2021 was surveyed and accepted for registration as follows:

CRN : 0C23315.52 **Accepted on:** August 20, 2021
Reg Type: NEW DESIGN **Expiry Date:** June 17, 2031
Drawing No. : SCOPE OF CRN REGISTRATION
Fitting type: HB SERIES CONTROL VALVES
Design registered in the name of : WATSON MCDANIEL COMPANY

The registration is conditional on your compliance with the following notes:

*** Design Report #: R-1410 Revision 0*

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.1, ASME B31.3 and B16.34.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

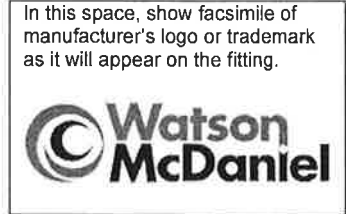
Sincerely,



DICK, ASHLING, P. Eng.
DOP Cert. No. D00007936

**STATUTORY DECLARATION
Registration of Fittings**
Single or Multiple Fitting Designs within one Fitting Category

I, ROBERT HICKEY, GENERAL MANAGER
(name of applicant) (position title) (must be in a position of authority)
of WATSON MCDANIEL
(name of manufacturer)
located at 428 JONES BLVD., POTTSTOWN, PENNSYLVANIA, 19464
(plant address)



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only one)

- comply with the requirements of ASME B16.34, B31.1, 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 (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	HB Series Control Valves	ISO 9001:2015	Design, Manufacturing, Supply	Oct. 25, 2022	Hartford Steam Boiler	Pottstown, PA, USA
2.						

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

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS **

[Signature] (Signature of the Declarer)

4/13/21 (Date)

DECLARED before me at Pottstown in the State of Pennsylvania this 13th day of April, 2021

(print) Jay Goldberg (a Commissioner of Oaths or Notary Public)

(sign) [Signature] (a Commissioner of Oaths or Notary Public)

06/28/2024 (expiry date (mm/dd/yy))

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 of Oaths / Notary Public in and for: Montgomery County, Pennsylvania

For ABSA Office Use Only:

NOTES: ** HB Series Control Valves, see attached Scope of CRN Registration

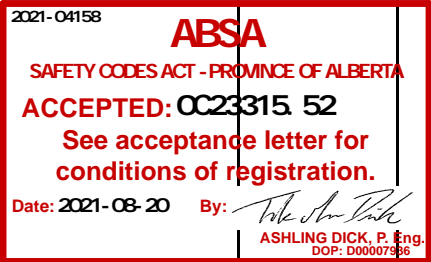
To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category: CRN: Registered Date: Expiry Date: Signature: (Signature of the Administrator/SCO) The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline

2021-04158 ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: CC23315.52 See acceptance letter for conditions of registration. Date: 2021-08-20 By: Ashling Dick, P. Eng. DOP: D00007936

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act

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



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

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.