

Montréal, 27 août 2021.

MADAME CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W6N9

Fabricant : WATSON MCDANIEL
428 JONES BOULEVARD
POTTSTOWN P.A.
U.S.A. 19464

Numéro de dossier : 949096

Numéro(s) de dessin(s) : HB Series Control Valves per Scope of Registration

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0C23315.56**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7ième étage

Montréal (Québec) H2M 2V2

Téléphone : 514 873-6459

Sans frais : 1 866 262-2084

www.rbq.gouv.qc.ca

Montréal, le 27 août 2021.

MRS. CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
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Manufacturer : WATSON MCDANIEL
428 JONES BOULEVARD
POTTSTOWN P.A.
U.S.A. 19464

OUR REFERENCE : 949096
Design number : HB Series Control Valves per Scope of Registration

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0C23315.56.**

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each equipment manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

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Montréal (Québec) H2M 2V2
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Statutory Declaration Registration of Fittings

(a) Design Qualification

I, ROBERT HICKEY
(Name of applicant)



GENERAL MANAGER
(Position eg, president, plant manager, chief eng.)

of WATSON MCDANIEL
(name of company)

Located at 428 JONES BLVD., POTTSTOWN, PENNSYLVANIA, 19464
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: ASME B16.34, ASME B31.1, ASME B31.3

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with _____ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

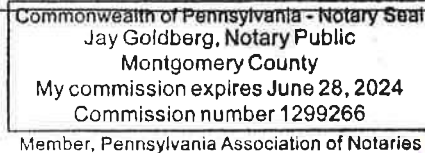
I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001:2015, and has been verified by the following authority or authorized agency HSB

The fittings² covered by this declaration, for which I seek registration, are CATEGORY C CONTROL VALVES

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

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

Declared before me at Pottstown



In the of State of Pennsylvania

The 13th day of April AD 2021

[Signature]
A (commissioner for oaths)

[Signature]
Signature of Declarer

For Official Use Only

The application is accepted for registration in Category _____ in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

Registered Number CRN _____

For the Chief Inspector _____

Date _____



¹ Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.
² All fittings are required to be registered in the name of the Manufacturer.
³ This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.



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.