

Montréal, 11 février 2022.

MADAME CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON
CANADA M9W 6N9

Fabricant : CRANE INSTRUMENTATION SAMPLING INC
405 CENTURA COURT
SPARTANBURG SC
USA 29303

Numéro de dossier : 948352

Numéro(s) de dessin(s) : AS PER SCOPE OF REGISTRATION DATED 25-AUG-2021
(Hoke 4600 series valves)

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 : **0C23654.56**.

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 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 11 février 2022.

MRS. CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON
CANADA M9W 6N9

Manufacturer : CRANE INSTRUMENTATION SAMPLING INC
405 CENTURA COURT
SPARTANBURG SC
USA 29303

OUR REFERENCE : 948352

Design number : AS PER SCOPE OF REGISTRATION DATED 25-AUG-2021
(Hoke 4600 series valves)

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): **0C23654.56.**

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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Statutory Declaration Registration of Fittings

Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

CRANE



This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	Hoke 4600-series valves	Scope of Registration, Appendix E of ER-4600CRN
2		
3		
4		
5		

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design

I, the undersigned, Paul Wright Engineering Supervisor,
(Name of the person in charge) (Title of the person in charge)
from Crane Instrumentation & Sampling, located at 405 Centura Court, Spartanburg, SC, 29303, USA
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

☐ comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
or

☒ are not covered by the ANSI/ASME codes, but are in compliance with ASME B31.1 2020 Ed./ASME B31.3 2020 Ed (Unlisted comp
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the
following code: ISO 9001, and has been verified by SAI Global.
(Name of code) (Authorized agency)

Signature of the person in charge:

Paul Wright

Date (yyyy-mm-dd):

2021-03-30

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at <u>Spokane</u> , on <u>2021-08-30</u> .	
(Location) (Date (yyyy-mm-dd)):	
Signature of commissioner for oaths: <u>Cymbeline L.E. Rogers</u>	Date (yyyy-mm-dd): <u>2021-08-30</u>
Stamp the seal:	
	

4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.	
This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.	
Canadian registration number (CRN):	Registration date (yyyy-mm-dd):
	

Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

Sending the form

This declaration is mandatory in order to submit an application registration of fittings.

Application registration for fittings must only be sent by mail to this address:

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

Régie du bâtiment du Québec

545, boulevard Crémazie Est, 7^e étage

Montréal (Québec) H2M 2V2

CRANE® ER-4600CRN	Engineering Report Title Qualification of Hoke 4600-series Packless Diaphragm Valves by Burst Test and Similarity	REV. DATE: PAGE:	- 25-Aug-2021 24 OF 24
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Scope of Registration

Part Number	Main Pressure Bearing Components		Conn. Sizes	Min. Design Metal Temp. (MDMT)	Maximum Allowable Working Pressure		Design Code of Construction
	Description	Material			MDMT $\leq$ T $\leq$ 100°F	At Maximum Temperature	
4613N4M	Diaphragm	Inconel 600 (ASTM B168 / ASME SB-168)	1/4" Socket Weld Tube	-65°F	300 psig	300 psig @ 240°F	ASME B31.1 (Unlisted Components)
4623N4M		Monel R405 (ASTM B164 / ASME SB-164)				300 psig @ 600°F	ASME B31.3 (Unlisted Components)
4618N4M	Body						
4628N4M							

