

Montréal, le 22 mars 2024.

ROB MCGREGOR
6870830 CANADA INC O/A TITAN RESEARCH GR
1920 YONGE STREET
SUITE 200 TORONTO ONTARIO
CANADA M4S 3E2

Manufacturer : VEGA GRIESHABER KG
113 AM HOHENSTEIN
SCHILTACH
GERMANY D-77761

OUR REFERENCE : 944366
Design number : Scope of registration # SOR-VEGADIF85-REV0

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): **0F05908.6**.

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 boiler or pressure vessel 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

255, boul. Crémazie Est, 2ième étage
Montréal (Québec) H2M 1L5
Téléphone : 514 873-2546
Sans frais : 1 866 262-2084
enregistrementdesplans@rbq.gouv.qc.ca
www.rbq.gouv.qc.ca

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Numéro de dossier : 944366

Numéro(s) de dessin(s) : Scope of registration # SOR-VEGADIF85-REV0

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 : **0F05908.6**.

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.

Salutations distinguées,

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

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

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	SOR-VEGADIF85-REV0	Scope of Registration Summary
2		
3		
4		
5		

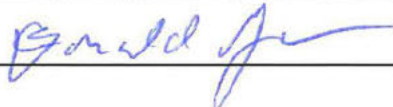
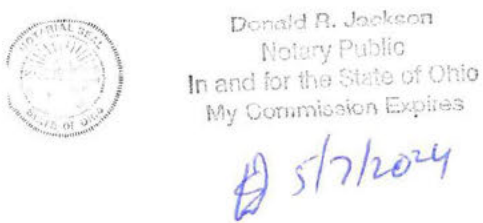
2. Declaration of the person in charge

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, <u>Holger Sack</u>	<u>Head of Product Compliance & Safety</u>
(Name of the person in charge)	(Title of the person in charge)
from <u>VEGA Grieshaber KG</u> ,	located at <u>Am Hohenstein 113, 77761 Schiltach, Germany</u>
(Company's name)	(Plant's address)
hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:	
<input type="checkbox"/>	comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
or	
<input checked="" type="checkbox"/>	are not covered by the ANSI/ASME codes, but are in compliance with <u>ASME B31.3 - 2022</u>
	(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: <u>ISO 9001:2015</u>	, and has been verified by <u>DEKRA</u>
(Name of code)	(Authorized agency)
Signature of the person in charge: <u>H. Sack</u>	Date (yyyy-mm-dd): <u>2024-01-31</u>

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at <u>Mason, Ohio</u> , on <u>2024-01-31</u> .	
(Location)	(Date (yyyy-mm-dd)):
Signature of commissioner for oaths: 	Date (yyyy-mm-dd): <u>2024-01-31</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 necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.

SOR-DIF85-REV0: Scope of Registration Summary VEGADIF 85 with CSS/CSB and VEGABAR 81

Product Assembly Type	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar)	Temperature (°C)
VEGADIF 85 [REDACTED]	NPT ¼-18	Process connection: 316L, Alloy C276 (2.4819), Superduplex (1.4410) Membrane: 316L, Alloy C276 (2.4819), 316L + 6µ Gold	up to 160 bar (all measuring ranges) 400 bar (only for measuring range 500 mbar, 3bar and 16 bar)	-40 ... +105 °C

Product Assembly Type	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar)	Temperature (°C)
VEGADIF 85 [REDACTED] with CSS	Flanges as per CRN	Process connection: 316L, Alloy C276 (2.4819) Membrane: 316L, Alloy C276 (2.4819), Tantal, Inconell 600	up to 100 bar	-40 ... +400 °C

**SOR-DIF85-REV0: Scope of Registration Summary VEGADIF 85 with CSS/CSB
and VEGABAR 81**

Product Assembly Type	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar)	Temperature (°C)
VEGADIF 85 with CSB	Flanges and capillaries as per CRN	Process connection: 316L, Alloy C276 (2.4819), Duplex (1.4462) Membrane: 316L, Alloy C276 (2.4819), Duplex (1.4462), Tantal, Inconell 600	up to 160 bar	-40 ... +400 °C

Product Assembly Type	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar)	Temperature (°C)
VEGABAR 81	Flanges as per CRN	316L, Alloy C276 (2.4819), Tantal, Gold, Nickel, 316Ti	up to +1000 bar	-90 ... +400 °C

VEGA

**SOR-DIF85-REV0: Scope of Registration Summary VEGADIF 85 with CSS/CSB
and VEGABAR 81**

I the undersigned hereby confirm that the above is accurate, correct and complete,

Approved by: Matthias Kunz
Title: Product Safety Engineer

Date: March 14, 2024

Signed:

