

June 13, 2024

Attention: Rob McGregor
6870830 CANADA INC
O/A TITAN RESEARCH GROUP
1920 YONGE STREET 2ND FLOOR
TORONTO, ON M4S 3E2

The design submission, Tracking Number 2024-01226, originally received on February 29, 2024 was surveyed and accepted for registration as follows:

CRN : 0F24150.2 **Accepted on:** June 13, 2024
Reg Type: NEW DESIGN **Expiry Date:** June 13, 2034
Drawing No. : Scope of Registration: SOR-VEGADIF85 Rev 0 As Noted
Fitting type: PRESSURE TRANSMITTERS
Design registered in the name of : VEGA GRIESHABER KG

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

- As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is ASME B31.3.
- Acceptance is based on the understanding that ultimate tensile strength presented on the report is an average from three tensile test performed from the burst stamp per ASTM E8 as confirmed by client.
- Fittings with listed CRN must always be valid in Alberta and pressure temperature rating must satisfy design conditions.
- 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, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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 3356 or fax (780) 437-7787 or e-mail Habteyes@absa.ca.

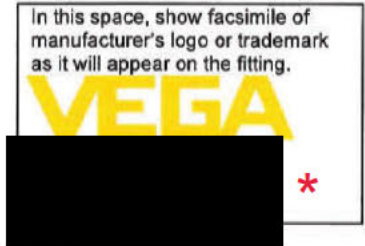
Sincerely,



HABTEYES, KASSA, P. Eng.
DOP Cert. No. D00009639

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

I, Holger Sack, Head of Product Compliance & Safety
(name of applicant) (position title) (must be in a position of authority)
of VEGA Grieshaber KG
(name of manufacturer)
located at Am Hohenstein 113, 77761 Schiltach, Germany
(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 _____ 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 ASME B31.3 - 2022 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.	SOR-VEGADIF85-REV0	ISO 9001:2015	See QA cert.	2025-01-02	DEKRA	See QA cert.
2.						

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

Scope of Registration Summary: SOR-VEGADIF85-REV0

[Signature] (Signature of the Declarer)

31. January 2024 (Date)

DECLARED before me at Mason in the State of Ohio

this 31 day of January, 2024

(print) Donald L Jackson (a Commissioner of Oaths or Notary Public)

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

5/7/2024 (expiry date (mm/dd/yy))



Donald B. Jackson Notary Public In and for the State of Ohio My Commission Expires

Commissioner of Oaths / Notary Public in and for: Mason OH (province, territory, or state)

For ABSA Office Use Only:

NOTES: * Fittings manufacturer is VEGA Grieshaber KG.

[Redacted] signed branding/OEM agreement.

Administrative box containing registration details: 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: June 13, 2034 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

Table 1 Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			

Table 2 Additional Scope Information

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example: Series X Options

** For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41

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:

