

ATTN: TITAN RESEARCH GROUP  
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#200 1920 YONGE STREET  
TORONTO ON M4S 3E6

**Date:** 22-Apr-2024  
**TSBC Account #:** 069359  
**TSBC Admin Number:** 106455  
**Canadian Registration Number:** 0F3026.31

### Re: Application for Design Registration

The design, as detailed in your Design Portal application VEGADIF85 for a Pressure Fitting is registered with the following notes and considerations:

<b>Registered To:</b>	VEGA Grieshaber KG
<b>Project Name:</b>	VEGADIF85
<b>Drawing #:</b>	SOR-VEGADIF85
<b>Drawing Revision:</b>	0

### Conditions of Registration:

(1) Fitting Registration Expiry Date: 13-Mar-2034 (2) The registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of quality management system lapse before the expiry date indicated above, this registration shall become void.

### Reviewer's Notes:

Any additional conditions and considerations from the initial province of registration shall apply to this BC registration.

Full details of this submission including the scope of registration, design conditions, fabrication details, and calculations pertaining to this design are located in the above Admin Number on the Design Portal. For all other enquiries, please contact [eim@technicalsaftybc.ca](mailto:eim@technicalsaftybc.ca).

The Engineering Information Management Team

## 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**

<b>Product Assembly Type</b>	<b>Process Connection Description</b>	<b>Example Materials of Construction*</b>	<b>Maximum Design Pressure (bar)</b>	<b>Temperature (°C)</b>
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

<b>Product Assembly Type</b>	<b>Process Connection Description</b>	<b>Example Materials of Construction*</b>	<b>Maximum Design Pressure (bar)</b>	<b>Temperature (°C)</b>
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:

