the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

May 26, 2025

Attention: Rob McGregor
TITAN RESEARCH GROUP
1920 YONGE STREET 2ND FLOOR
TORONTO, ON M4S 3E2

The design submission, Tracking Number 2025-02278, Web Portal Number 2025-S1856, originally received on April 07, 2025 was surveyed and accepted for registration as follows:

CRN : 0F25164.2 **Accepted on:** May 26, 2025

Reg Type: NEW DESIGN **Expiry Date:** May 26, 2035

Drawing No. : SOR-CAP-60-CAL-60-Rev0: Scope of Registration Summary Rev 0 As Noted

Fitting type: VEGACAP/VEGACAL

Design registered in the name of : VEGA GRIESHABER KG

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

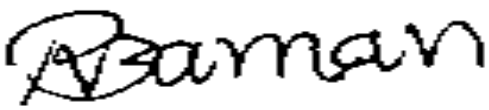
As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.3.

- 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 or AB-351 Declaration of Conformity 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 or AB-351 Declaration of Conformity 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 (587) 943-8743 or fax (403) 291-4545 or e-mail Rokanuzzaman@absa.ca.

Sincerely,



ROKANUZZAMAN, MOHAMMAD, P. Eng.
DOP Cert. No. D00010592

SOR-CAP-60-CAL-60-Rev0: Scope of Registration Summary
VEGACAP 62/63/64/65/66/67/69 and VEGACAL 62/63/64/65/66/67/69

Product Assembly Type	Example Fitting Design*	Process Connection Description	Materials of Construction*	Maximum Design Pressure (bar)	Maximum Temperature (°C)
VEGACAP 62/63/64/65	DIN3852-A ASME B1.20.1 EN10226-1	≥ G 1/2” ≥ NPT 1/2” ≥ R 1/2”	A182 F316L A497 S31600/ S31603 (316/316L) N06022 (Alloy C22) N04400 (Alloy 400) S31803 (Duplex 1.4462) PTFE PEEK PE PA	-1… +64 bar	-50… +200 °C
	DIN2501 EN1092-1	≥ Flange DN20			
	ASME B16.5	≥ Flange NPS 3/4”			
	JIS	≥ Flange DN25			
	BS.10 Table D / E	≥ Flange 1.5”			
	GOST 12815-80.7 GOST 33259-2015	≥ Flange DN40			

SOR-CAP-60-CAL-60-Rev0: Scope of Registration Summary
VEGACAP 62/63/64/65/66/67/69 and VEGACAL 62/63/64/65/66/67/69

Product Assembly Type	Example Fitting Design*	Process Connection Description	Materials of Construction*	Maximum Design Pressure (bar)	Maximum Temperature (°C)
VEGACAP 66	DIN3852-A ASME B1.20.1 EN10226-1	≥ G 1” ≥ NPT 1” ≥ R 1”	A182 F316L A479 S31603 (316L) S31803 (Duplex 1.4462) PTFE	-1… +40 bar	-50… +150 °C
	DIN2501 EN1092-1	≥ Flange DN20			
	DIN32676, ISO2852	≥ Clamp 1.5”			
	ASME B16.5	≥ Flange NPS 1”			
	JIS	≥ Flange DN25			

Product Assembly Type	Example Fitting Design*	Process Connection Description	Materials of Construction*	Maximum Design Pressure (bar)	Maximum Temperature (°C)
VEGACAP 67	DIN3852-A ASME B1.20.1 EN10226-1	≥ G 1.5” ≥ NPT 1.5” ≥ R 1.5’	S31603 (316L) A479 S31603 (F316) A182 Ceramic (KER 221 according to DIN 40685)	-1… +16 bar	-50… +400 °C
	DIN2501 EN1092-1	≥ Flange DN40			

	ASME B16.5	≥ Flange NPS 1.5”			
	JIS	≥ Flange DN50			

Product Assembly Type	Example Fitting Design*	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar)	Maximum Temperature (°C)
VEGACAP 69	DIN2501 EN1092-1	≥ Flange DN50	PTFE PP FEP	-1… +2 bar	-50… +100 °C
	ASME B16.5	≥ Flange NPS 2”			

Product Assembly Type	Example Fitting Design*	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar)	Maximum Temperature (°C)
VEGACAL 62/63/65	DIN3852-A ASME B1.20.1 EN10226-1	≥ G 1/2” ≥ NPT 1/2” ≥ R 1/2”	A182 F316L A479 S31603 (316L) N04400 (Alloy 400) S31803 (Duplex 1.4462) PTFE PA PE PEEK	-1…+64 bar	-50…+200 °C
	DIN2501 EN1092-1	≥ Flange DN20			
	ASME B16.5	≥ Flange NPS 3/4”			
	JIS	≥ Flange DN25			
	BS.10 Table D / E	≥ Flange 1.5”			
	GOST 12815-80.7 GOST 33259-2015	≥ Flange DN40			

SOR-CAP-60-CAL-60-Rev0: Scope of Registration Summary
VEGACAP 62/63/64/65/66/67/69 and VEGACAL 62/63/64/65/66/67/69

Product Assembly Type	Example Fitting Design*	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar)	Maximum Temperature (°C)
VEGACAL 64	DIN3852-A ASME B1.20.1 EN10226-1	≥ G 3/4'' ≥ NPT 3/4'' ≥ R 3/4''	A182 F316L A479 S31603 (316L) N06022 (Alloy C22) S31803 (Duplex 1.4462) FEP PTFE	-1…+64 bar	-50…+150 °C
	DIN2501 EN1092-1	Flange ≥ DN25			
	ASME B16.5	Flange ≥ NPS 3/4''			
	JIS	Flange ≥ DN25			
	BS.10 Table D / E	Flange ≥ 1.5''			
	GOST 12815-80.7 GOST 33259-2015	Flange ≥ DN40			

SOR-CAP-60-CAL-60-Rev0: Scope of Registration Summary
VEGACAP 62/63/64/65/66/67/69 and VEGACAL 62/63/64/65/66/67/69

Product Assembly Type	Example Fitting Design*	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar)	Maximum Temperature (°C)
VEGACAL 66	DIN3852-A ASME B1.20.1 EN10226-1	≥ G 1’’ ≥ NPT 1’’ ≥ R 1’’	A182 F316L A479 S31603 (316L) S31803 (Duplex 1.4462) PTFE PA PEEK	-1…+40 bar	-50…+150 °C
	DIN32676, ISO285	≥ Clamp 1’’			
	DIN2501 EN1092-1	Flange ≥ DN20			
	ASME B16.5	Flange ≥ NPS 2’’			
	JIS	Flange ≥ DN25			
	BS.10 Table D / E	Flange ≥ 1.5’’			
	GOST 12815-80.7 GOST 33259-2015	Flange ≥ DN40			

SOR-CAP-60-CAL-60-Rev0: Scope of Registration Summary
VEGACAP 62/63/64/65/66/67/69 and VEGACAL 62/63/64/65/66/67/69

Product Assembly Type	Example Fitting Design*	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar)	Maximum Temperature (°C)
VEGACAL 67	DIN3852-A ASME B1.20.1 EN10226-1	≥ G 1.5” ≥ NPT 1.5” ≥ R 1.5”	S31603 (316L) A479 Ceramic (KER 221 according to DIN 40685)	-1…+16 bar	-50…+400 °C
	DIN2501 EN1092-1	Flange ≥ DN40			
	ASME B16.5	Flange ≥ NPS 1.5”			
	JIS	Flange ≥ DN50			

Product Assembly Type	Example Fitting Design*	Process Connection Description	Example Materials of Construction*	Maximum Design Pressure (bar)	Maximum Temperature (°C)
VEGACAL 69	DIN2501 EN1092-1	Flange ≥ DN50	S31603 (316L) A479 PTFE PP FEP	-1… +2 bar	- 50…+100 °C
	ASME B16.5	Flange ≥ NPS 2”			

SOR-CAP-60-CAL-60-Rev0: Scope of Registration Summary
VEGACAP 62/63/64/65/66/67/69 and VEGACAL 62/63/64/65/66/67/69

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

Approved by: Matthias Kunz
Title: Product Safety Engineer
Signed:

Date: November 28, 2023

Matthias Kunz

Digital unterschrieben von Matthias Kunz
Datum: 2023.11.28 10:13:26 +01'00'

VEGA Grieshaber KG
Am Hohenstein 113 | 77761 Schiltach
www.vega.com

Notes:

Impact Testing: none required per ASME B31.3 para. 323.2.1 j (1)

Flange maximum size: NPS 6.

Weaker materials have been used to justify stronger material acceptability.

Alberta Municipal Affairs

ABSA
the pressure equipment safety authority

AB-41 2019-08

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

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.

VEGA

I, Gretchen Lisi (name of applicant), Quality Manager (position title) (must be in a position of authority)

of VEGA Americas Inc. (name of manufacturer)

located at 3877 Mason Research Pkwy, Mason, Ohio 45036, USA (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 _____ (title of recognized North American Standard) which specifies the dimensions, 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 (title of code of construction or other applicable document) as supported by the 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.	VEGACAP/-CAL 62/63/64/65/66/67 /69	ISO 9001:2015	See QA cert.	2027-01-31	EAGLE	See QA cert.
2.						

Tracking #:_____

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

SOR-CAP-60-CAL-60-Rev: Scope of Registration for VEGACAP/ -CAL 62/63/64/65/66/67/69

(Signature of the Declarer) 3 September 2024 (Date)

DECLARED before me at Mason (city) in the State of Ohio (province, territory, or state)

this 3 day of September (Month), 2024 (Year)

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

(sign) (a Commissioner of Oaths or Notary Public)

5/9/2029 (expiry date (mm/dd/yy))

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

For ABSA Office Use Only:

NOTES:

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: 2035-05-26

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

2025-02278

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0F25164.2

See acceptance letter for conditions of registration.

Date: 2025-05-26 By: Rokan

IOHAMMAD ROKANUZZAMAN, P. Eng.
DOP: D00010592

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Tracking #: 2025-02278

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

Tracking #:_____

Alberta Municipal Affairs

ABSA
the pressure equipment safety authority

AB-41 2019-08

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

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.

VEGA

I, Holger Sack (name of applicant), Head of Product Compliance & Safety (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 _____ (title of recognized North American Standard) which specifies the dimensions, 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 (title of code of construction or other applicable document) as supported by the 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.	VEGACAP/ -CAL 62/63/64/65/66/67 /69	ISO 9001:2015	See QA cert.	2025-01-02	DEKRA	See QA cert.
2.						

Tracking #:_____

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

SOR-CAP-60-CAL-60-Rev: Scope of Registration for VEGACAP/ -CAL 62/63/64/65/66/67/69

J. Sadz
(Signature of the Declarer)

2024-08-06
(Date)

DECLARED before me at Mason (city) in the State of Ohio (province, territory, or state)

this 8 day of August (Month), 2024 (Year)

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

(sign) _____
(a Commissioner of Oaths or Notary Public)

05/09/2029
(expiry date (mm/dd/yy))

NOTARY PUBLIC STATE OF OHIO

DONALD R JACKSON
Notary Public
State of Ohio
My Comm. Expires
May 9, 2029

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

For ABSA Office Use Only:

NOTES: _____

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: 2035-05-26

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

2025-02278
ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0F25164.2
See acceptance letter for conditions of registration.
Date: 2025-05-26 By: Rbaman
MOHAMMAD ROKANUZZAMAN, P. Eng.
DOP: D0010592

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Tracking #: _____

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)
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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

Tracking #:_____