

May 29, 2024

Attention: Scott Islip
ROUND ENGINEERING INC
10 SEGWUN ROAD
WATERDOWN, ON L8B 0K6

The design submission, Tracking Number 2024-02762, Web Portal Number 2024-S1893, originally received on May 08, 2024 was surveyed and accepted for registration as follows:

CRN : 0H25192.52 **Accepted on:** May 29, 2024
Reg Type: NEW DESIGN **Expiry Date:** April 26, 2034
Drawing No. : Scope of Registration & 2513-3050
Fitting type: CO2 Purifier Assembly
Design registered in the name of : CRYOVATION LLC

Description	MAWP	Design Temperature	MDMT
Internal Pressure	10342kPa	70 °C	-29 °C

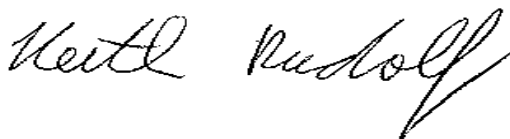
The registration is conditional on your compliance with the following notes:

- The relief valve (item #3) shall not be used as the primary device for overpressure protection.
- All pressure retaining components must be suitable for the service conditions of the CO2 Purifier assembly.
- This design has been reviewed and accepted for registration based on the understanding that the hydrostatic test pressure is 2250 psi and the optional pneumatic test pressure is 1650 psi.
- As indicated on the AB-41 Statutory Declaration form the code of construction is ASME B31.3.
- It is our understanding that the fittings included in the scope of this registration that are subject to the Safety Codes Act shall comply with the requirements of the code of construction on the AB-41 Statutory Declaration form 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.
- 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 QMS approved by an acceptable third-party agency, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place. Should the approval of the QMS 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 3303 or fax (780) 437-7787 or e-mail Rudolf@absa.ca.

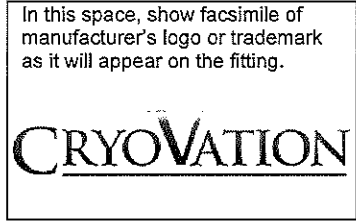
Sincerely,



RUDOLF, KEITH, P. Eng.
DOP Cert. No. D00008862

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

I, Ric Boyd, President
(name of applicant) (position title) (must be in a position of authority)
of Cryovation, LLC
(name of manufacturer)
located at 9B Mary Way, Hainesport, NJ, 08036, 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 ASME B31.3 2022 (KR) 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 _____ 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.	C02 Purifier	CSA B51	See Scope of CRN Document	2027-02-27	Bureau Veritas	Hainesport, NJ
2.						

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

Scope of CRN Registration, Report, Drawings, Calculations

[Handwritten Signature]

(Signature of the Declarer)

1/9/20

(Date)

DECLARED before me at Hampstead in the State of New Jersey

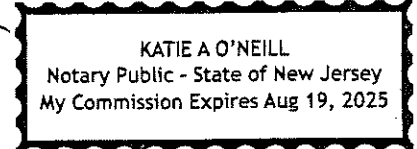
this 9th day of January, 2024

(print) Kate O'Neill

(sign) Kate O'Neill

8/19/2025

(expiry date (mm/dd/yy))



Commissioner of Oaths / Notary Public in and for: New Jersey

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: _____

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

2024-02762

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: CH25192 52

See acceptance letter for conditions of registration.

Date: 5/29/2024 By: Keith Rudolf

KEITH RUDOLF, P. Eng
DOP: D00008862

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



SCOPE OF CRN REGISTRATION

Product Description	Drawing Number	Design Code	Size Range	Process Connections	Materials Specification	MAWP at MAWT	MDMT	Report Number
CO2 Purifier	2513-3050 Rev. "-"	ASME B31.3	1/8" OD x 0.035" Tube, 1/4" OD x 0.049" Tube, 1/2" OD x 0.065" Tube, 3/4" OD x 0.065" Tube	Tube Fittings	ASTM A213 TP316, ASTM A269 TP316, ASTM A270 TP316, ASTM A213 TP304, ASTM A269 TP304, ASTM A270 TP304	1500 psig at 158°F	-20°F	R-1801 Rev. 0

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.

Note 2: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 3: Per CSA Table 1 Note (2)(B) the total volume of any configured assembly shall not exceed 1.5 cubic feet in volume.



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.