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April 26, 2024

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14220088
Your Reference No.: R-1801
Registered to: CRYOVATION LLC

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0H25192.5
Main Design No.: Scope of Registration & 2513-3050
Expiry Date: Apr 26, 2034

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

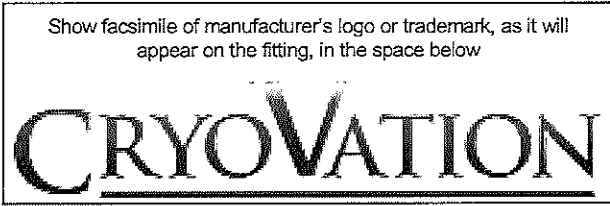
The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mehdi Talebi
Engineer, BPV
Tel. : +1 416-734-3413
Email : mtalebi@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4



Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

STATUTORY DECLARATION Registration of Fittings

I, Ric Royd, President
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Cryovation, LLC
(Name of Manufacturer)

Located at 9B Mary Way, Hainesport, NJ, 08036, USA
(Plant Address) (Telephone No.) (Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

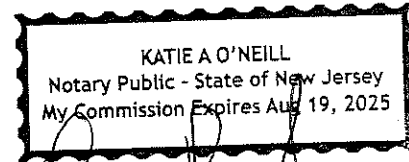
I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of CSA B51 which has been verified by the following authority, Bureau Veritas.

The items covered by this declaration, for which I seek registration, are category H - CO2 Purifier type fittings. In support of this application, the following information and/or test data are attached as follows:
DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN

(drawings, calculations, test reports, etc.)

Declared before me at Hainesport in the State of New Jersey
 the 9th day of January AD 2024.

Commissioner for Oaths:
Katie O'Neill
(Printed name)
[Signature]
(Signature)



[Signature]
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category H.

CRN: 0H25192.5
 Registered by: _____
 Dated: _____



This Document has been digitally signed and approved.
 The stamp size has been optimized for 11 x 17 documents.

NOTE: This registration expires on APR 26, 2034

Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0H25192.5
 Signed: MT
 Date: April 26, 2024.



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 IS PART OF CRN
 0H25192.5
 Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety
 Program