ABSA
the pressure equipment safety authority

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

February 27, 2022

Attention: Cecylia Garbacz
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2022-00705, originally received on February 08, 2022 was surveyed and accepted for registration as follows:

CRN : 0G22625.52 **Accepted on:** February 27, 2022

Reg Type: ADDITION TO ACC. FITTING **Expiry Date:** August 18, 2030

Drawing No. : CRN OWNERSHIP TRANSFER

Fitting type: SAFETY RELIEF VALVES: MODELS RXSO & RXSO-S

Design registered in the name of : MEC CRYO LLC

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

*** The Scope of this Registration include only CRN ownership transfer from Leslie Controls, Inc. to MEC Cryo, LLC. There is no scope change, nor any design change.*

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is SECTION VIII, DIV. 1.

- 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 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 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,

DICK, ASHLING, P. Eng.
DOP Cert. No. D00007936

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

I, James C. Zuck (name of applicant), Director (position title) (must be in a position of authority)

of MEC CRYO, LLC. (name of manufacturer)

located at 4430 E Adamo Dr., Tampa, Florida, 33605, United States (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 Section VIII-1 (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 _____ (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.	Safety Relief Valves	ASME UV	Manufacturer of Pressure Relief Valves	February 7, 2023	ASME	Tampa, Florida
2.						

Tracking #: 2022-00705

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

SCOPE OF CRN, NB LISTING **

(Signature of the Declarer) 11/2/2021 (Date)

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

this 2nd day of November (Month), 2021 (Year)

(print) Pamela Willison (a Commissioner of Oaths or Notary Public)

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

07/03/2024 (expiry date (mm/dd/yy))

PAMELA WILLISON
Notary Public, State of Michigan
County of Branch
My Commission Expires 07-03-2024
Acting in the County of Calhoun

Commissioner of Oaths / Notary Public in and for: ~~Acting in the County of~~ (province, territory, or state)

For ABSA Office Use Only:

NOTES: ** The Scope of this Registration include only CRN ownership transfer from Leslie Controls, Inc. to MEC Cryo, LLC

There is no design change, nor any scope change.

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

2022-00705
ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
ACCEPTED: 0G22625.52
See acceptance letter for conditions of registration.
Date: 2022-02-27 By:
ASHLING DICK, P. Eng.
DOP: D00007936

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 #: 2022-00705

Two Park Avenue
New York, NY
10016-5990 U.S.A.

tel 1.212.591.7000
fax 1.212.591.7674
www.asme.org

October 14, 2021

SENT VIA EMAIL

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To: Mr. Aaron Zhang, MEC Cryo, LLC. (Account ID - # 112629)

Subject: New Certificate Number

Dear Mr. Zhang,

First, I want to thank you for your patience as we worked through this unique situation. As mentioned during our recent phone call, our system does not allow for a partial transfer of a company's Certificate of Authorizations to another company. In this case, the transfer of Leslie Controls, Inc.'s 'UV' Certificate. Due to this limitation, a new certificate number was created UV – 59689. We understand that there may be work associated with the previous certificate (see below for information). This new certificate number, UV-59689, has full control of UV-46835, but note that any equipment manufactured by MEC Cryo, LLC. should be marked under the new certificate number.

Old Company: Leslie Controls, Inc. (ID# 40873)
Old Company ID: 107806

We are including the National Board on this letter to ensure they are aware of the new certificate number. If you have any questions, please do not hesitate to contact me.

Best Regards,

Matthew Vazquez
Director, Product & Personnel Certification
vazquezm@asme.org
Ph. 1.212.591.8522

Cc: Patrick Murray, ASME Boiler and Pressure Vessel Certification Engineer
The National Board Safety Valves

ROUND ENGINEERING INC.
WATERDOWN, ONTARIO
L8B 0K6
PHONE: 905-689-9185
EMAIL: Scott.Islip@Roundeng.com

November 4, 2021 No. of Pages: 1

Technical Standards & Safety Authority
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

Attention: Design Review

2022-00705
ABSA
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Attached to this email please find:

- Completed Harmonized Application for a Canadian Registration Number (CRN).
- Expedited Service application
- Scope of CRN Registration
- **Copy of existing CRN 0G22625.5267890YTN**
- Copy of Quality Certs
- Copy of scanned stats. Please note the following original stats will be sent separately via courier:
    - Two (2) ACI Stats
    - One (1) Alberta Stat
    - Two (1) TSSA Stat
    - Two (1) Quebec Stats
- *Note: I do not need any hardcopies of the notarized stats returned to me. Electronic registrations alone are acceptable. I am just unsure if you need the originals during covid 19 so I am sending them anyways.*

For the transfer of CRN 0G22625.5 to a new company called MEC Cryo, LLC in all provinces/territories in Canada except BC, Manitoba and Saskatchewan where this product is exempt from CRN registration. The Marshall Excelsior Company purchased this product line from Leslie Controls.

As soon as I receive the TSSA SR# I will courier the statutory declarations.

If you have any questions, please feel free to contact me.

Regards,

Scott Islip, P. Eng.

MEC CRYO, LLC.
4430 EAST ADAMO DRIVE
TAMPA, FLORIDA
33605, USA

SCOPE OF CRN REGISTRATION

Product Description	Model	Design Code	Code Stamp	Material Specifications	Size Range	End Connection Inlet/Outlet	MAWP at MAWT (Note 1,2,3)	Report Number
ASME Safety Relief Valves	RXSO	ASME Section VIII Division 1	ASME UV	Brass ASME SB283 C37700	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2"	MNPT x FNPT	400 psig at 200°F	R-1141
ASME Safety Relief Valves	RXSO-S	ASME Section VIII Division 1	ASME UV	Stainless Steel ASME SA351-CF8M, SA479-316	1/2", 3/4", 1", 1-1/4"	MNPT x FNPT	400 psig at 400°F	R-1141

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature.

Note 2: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the pressure-temperature ratings may be limited by the seat and seal materials. Please consult MEC CRYO, LLC.

Note 3: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.

Note 4: See attached copy of National Board Listing.

THIS IS PART OF CRN
0G22625.5ADD1
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

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MEC Cryo, LLC. (LSH)

Nameplate Abbreviation: MEC

Tampa, FL 33605United States

This Company Manufactures or Assembles:

Design Name: RXSO and RXSO-S NBCert # 47001

Manufacturer/Assembler	Code Sections	Expiration Date
Manufacturer	VIII Div. 1	08/04/2027

Design Type

[Safety Relief Valve] RXSO and RXSO-S
Capacity Tests: Sec. VIII Div. 1 at Louisiana State University on April 17, 1980
Method of Establishing Relieving Capacity: Flow Capacity, K
Certified Value: 0.604 Unitless
Media - Test: Air/Gas; Certified: Air, Gas
Set Pressure Definition: Pop
Blowdown Characteristics: Adjustable (Single Ring)
Designed by: MEC Cryo, LLC. {LSH}

Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Code Section
0.5-0.75 NPS	.75, 1 NPS	0.059 in²	0.75 in	0.025 in	15-300 psi	Air	VIII Div. 1
0.5-0.75 NPS	.75, 1 NPS	0.118 in²	0.75 in	0.05 in	15-400 psi	Air	VIII Div. 1
0.5-1 NPS	1, 1.25 NPS	0.204 in²	1 in	0.065 in	15-400 psi	Air	VIII Div. 1
0.75-1.25 NPS	1.25, 1.5 NPS	0.326 in²	1.25 in	0.083 in	15-400 psi	Air	VIII Div. 1
1-1.5 NPS	1.5, 2 NPS	0.424 in²	1.5 in	0.09 in	15-400 psi	Air	VIII Div. 1
1.25-2 NPS	2, 2.5 NPS	0.628 in²	2 in	0.1 in	15-400 psi	Air	VIII Div. 1
2.5 NPS	3 NPS	0.864 in²	2.5 in	0.11 in	15-400 psi	Air	VIII Div. 1
3 NPS	3, 4 NPS	1.131 in²	3 in	0.12 in	15-400 psi	Air	VIII Div. 1