345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

August 6, 2024

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14373913
Your Reference No.: R-2059
Registered to: MEC CRYO, 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 : 0G25411.5
Main Design No.: Scope of CRN Registration, Report R-2059 Rev 0
Expiry Date: Aug 06, 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,

Amir Hariri P.Eng.
Engineer, BPV
Tel. : +1 416-734-3461
Email : ahariri@tssa.org

Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

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

MEC™

STATUTORY DECLARATION
Registration of Fittings

I, JAMES C. ZUCK, DIRECTOR
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of MEC CRYO, LLC.
(Name of Manufacturer)

Located at 4430 E ADAMO DR., TAMPA, FLORIDA, 33605, UNITED STATES 813-644-3764
(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 SECTION VIII-1
(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 ASME UV _____ which has been verified by the following authority, ASME.
The items covered by this declaration, for which I seek registration, are category G - SAFETY RELIEF VALVES type fittings. In support of this application, the following information and/or test data are attached as follows:
SCOPE OF CRN REGISTRATION, NB LISTING
(drawings, calculations, test reports, etc.)

Declared before me at Marshall **in the** State **of** Michigan.

the 26th **day of** April **AD 20**24.

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

Commissioner for Oaths:

Pamela Willison
(Printed name)

Pamela Willison
(Signature)

James Zuck
(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 G.

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: August 6, 2034

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0G25411.5

Signed:

Date: August 6, 2024.

**Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*

See registration letter for any terms and conditions for this registration.
August 6, 2024. TSSA

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

THIS IS PART OF CRN
0G25411.5
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

SCOPE OF CRN REGISTRATION

Product Description	Model	Design Code		Code Stamp
Pilot Relief Valves	ME910	ASME Section VIII Division 1		ASME UV
Material Specifications	**Process Connection Inlet/Outlet**	**Operating Ranges (Note 1,2,3)**		**Report Number / Drawings**
		Set Pressure	**MAWT**	
Body Material: Ductile Iron ASME SA-395 60-40-18 Bonnet Material: Ductile Iron ASME SA-395 60-40-18, Steel ASME SA-216 WCB, Stainless Steel ASME SA-351 CF8M Pilot Block Material: Stainless Steel ASME SA-351 CF8M	NPS 4 ASME B16.42 Flanged Class 300 Inlet x NPS 4 FNPT Outlet	250-265 psig	150°F	Report R-2059 Revision 0, Drawings ME910P/X-ASME Rev. A, ME910X-901 Rev. A, ME910-902-X Rev. B, ME910PK/X-X-ASME Rev. A

Note 1: 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: Valves shall be marked with the ASME Certification mark and UV Designator along with the Canadian Registration Number (CRN).

Note 5: See attached copy of National Board Listing.

MEC Cryo, LLC. (LSH)

Nameplate Abbreviation: MEC

Tampa, FL 33605United States

This Company Manufactures or Assembles:

Design Name: ME910 NBCert # 47067

Manufacturer/Assembler	Designators	Expiration Date
Manufacturer	UV	02/05/2030

Design Type

[Pilot Operated Pressure Relief Valve] ME910
HolderDesignation:
Capacity Tests: Sec. UV at National Board Testing Lab on June 6, 2023
Method of Establishing Relieving Capacity: Flow Capacity, Slope
Certified Value:140.70 SCFM/PSIA; (alternate medium): 0.000 ; Certification Provisions: Cert. @ 20% OP
Media - Test: Air/Gas; Certified: Gas
Set Pressure Definition: Start-to-Leak
Blowdown Characteristics: Fixed
Flow Area Configuration: Curtain Area
Designed by: MEC Cryo, LLC. {LSH}

Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Designator
4 NPS	4 NPS	14.94 in²	4.38 in	2 in	250-265 psi	Air	UV

Design Name: MEV250 NBCert # 47045

Manufacturer/Assembler	Designators	Expiration Date
Manufacturer	UV	01/04/2030

Design Type

[Safety Relief Valve] MEV250
Capacity Tests: Sec. UV at National Board Testing Lab on December 15, 2022
Method of Establishing Relieving Capacity: Flow Capacity, Slope
Certified Value:31.200 SCFM/PSIA
Media - Test: Air/Gas; Certified: Gas
Set Pressure Definition: Start-to-Leak
Blowdown Characteristics: Fixed
Flow Area Configuration: Curtain Area
Designed by: MEC Cryo, LLC. {LSH}

Inlet Size	Outlet Size	Flow Area	Orifice [designator] dia.	Lift	Set Pressure Range	Media	Designator
2.5 NPS		2.112 in²	1.64 in	0.44 in	303-358 psi	Air	UV

Design Name: MEV300 NBCert # 47056

Manufacturer/Assembler	Designators	Expiration Date
Manufacturer	UV	01/03/2029