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May 4, 2021

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 8009744
Your Reference No.: R-1414C
Registered to: ACME CRYOGENICS, INC.

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 : 0H23235.5

Main Design No.: 006-A08746 REV. B; 000-A08746 (2 SHEETS) REV. C; 001-A-09746 REV. C

Expiry Date: May 04, 2031

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

Please refer to scope for detail of registration

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,

Norman Ngai

Norman Ngai P. Eng. Mechanical Engineer
Engineer, BPV
Tel. : +1 416-734-3557
Email : NNgai@tssa.org



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
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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, David M. Rakos, Director of Quality and Engineering
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Acme Cryogenics, Inc.
(Name of Manufacturer)

Located at 2801 Mitchell Ave., Allentown, PA 18103, USA (610) 791-7909 (610) 791-2837
(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

(Title of recognized North American Standard)
 which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

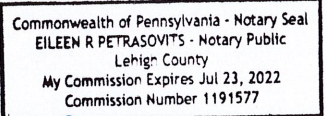
or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with B31.3, Process Piping Code as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, 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 B51-19 which has been verified by the following authority, TUV Rheinland.

The items covered by this declaration, for which I seek registration, are category H type fittings. In support of this application, the following information and/or test data are attached as follows:
DWG 001-A-08746, Revision C & supporting information

(drawings, calculations, test reports, etc.)

Declared before me at Acme Cryogenics Inc in the state of Pennsylvania County of Lehigh
 the 28th day of April AD 2021.



Commissioner for Oaths:
Eileen R Petrasovits
(Printed name)
Eileen R Petrasovits
(Signature)

DRK
(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: 0H23235.5
 Registered by: NORMAN NGAI
 Dated: May 4, 2021.

NOTE: This registration expires on: May 4, 2031.

Technical Standards and Safety Authority **Boilers and Pressure Vessels Safety Program**

REGISTERED

C.R.N.: 0H23235.5

Signed: Norman Ngai

Date: May 4, 2021.

Registration notes:
 - Referenced drawing 006-A08746 REV. B; 000-A08746 (2 SHEETS) REV. C; 001-A-09746 REV. C
 - Please refer to scope for detail of registration

SCOPE OF CRN REGISTRATION									
PRODUCT DESCRIPTION	DRAWING NUMBER	P/N: MALE ASSY	P/N: FEMALE ASSY	SIZE	LENGTH	DESIGN CODE	HOUSING MATERIAL SPECIFICATION	DESIGN CONDITIONS	M.D.M.T
Bayonet	000-A08746 Revision C (E170096-5)	C-04265	C-04264	1 1/2 x 3	STD	ASME B31.3-2018	ASTM A182 F304/304L S.Steel; ASTM A269 TP304/304L S.Steel; ASTM A312 TP304/304L S.Steel; ASTM A479 TP304/304L S.Steel	250/FV PSIG at 150 °F	-452 °F
Bayonet	000-A08746 Revision C (E170096-5)	C-04019	C-04018	1 x 2 1/2	STD	ASME B31.3-2018	ASTM A182 F304/304L S.Steel; ASTM A269 TP304/304L S.Steel; ASTM A312 TP304/304L S.Steel; ASTM A479 TP304/304L S.Steel	250/FV PSIG at 150 °F	-452 °F

THIS IS PART OF CRN
0H23235.5
 Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety Program

C	CHG DES CODE TO ASME B31.3-2018 FROM ASME B31.3; RMV ASME BPVC Sec.VIII, Div.1 - ECN 12041	4/28/21	DMR	JDE
B	CHG REF DWG NO. REVISION TO B - ECN 10239	3/29/21	DMR	JDE
A	INITIAL RELEASE	11/11/19	DMR	RP
REV.	DESCRIPTION	DATE	BY	APP'D.

UNLESS OTHERWISE SPECIFIED

1. THE FOLLOWING TOLERANCES APPLY:
.XX: ± .01" .XXX: ± .005"
FRACTIONS: ± 1/32" ANGLE: ± 0.5°
2. ALL DIMENSIONS ARE IN INCHES.
3. REMOVE ALL BURRS AND SHARP EDGES TO .015 MAX.
4. MACHINED SURFACES TO BE 125 MICRO-INCHES OR BETTER.
5. DO NOT SCALE DRAWING.


ORIGINAL

DESIGNER	DATE
DMR	10/1/2019
CAD	DATE
DMR	10/1/2019
CHECKED BY	DATE
JPE	10/10/2019
APPROVED BY	DATE
RP	11/11/2019

TITLE

SCOPE OF REGISTRATION
CRN
BAYONET ASSEMBLIES
ACME CLOSE TOLERANCE
REF: E170096-5

SCALE N/A WEIGHT N/A



DWG. NO. **001-A-09746**

SHEET 1 OF 1 REV. C

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