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December 18, 2023

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14141472
Your Reference No.: R-1941
Registered to: ADVANCED CERAMICS TECHNOLOGY (M) SDN BHD

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 : 0H24958.5
Main Design No.: MM0093-X-03 Rev. - and Scope of CRN Registration
Expiry Date: Dec 18, 2033

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,

Zivko Gacevic , P. Eng.
Engineer, BPV
Tel. : +1 416-734-3429
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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, Lo Kang Kwai Woon, Engineering Manager
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Advanced Ceramics Technology (M) Sdn Bhd
(Name of Manufacturer)

Located at No. 1536, Jalan Perusahaan, Bukit Tengah Industrial Park, 13600 Perai, Penang, Malaysia
(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 ISO 9001:2015 which has been verified by the following authority, CI International.

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:

SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS

(drawings, calculations, test reports, etc.)

Declared before me at BAYAN LEPAS in the PENANG of MALAYSIA
the 08th day of SEPTEMBER AD 2023.

Commissioner for Oaths:

TEH CHIN LAM

(Printed name)

(Signature)

TEH CHIN LAM
NOTARY PUBLIC
ADVOCATE & SOLICITOR
NO.8, Lengkok Relau 1,
Taman Seri Relau, 11900
Bayan Lepas, Pulau Pinang,
Malaysia. (Tel: 04-645 0800)

(Signature of Declarer)

08 SEP 2023

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'

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

CRN: _____

Registered by: _____

Dated: _____



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

REGISTERED

C.R.N.: 0H24958.5

Signed: Lo Kang Kwai Woon

Date: December 18, 2023.

NOTE: This registration expires on: **Dec. 18, 2033**

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

PV 09553 (04/17)

Note: See attached documents for Scope of Registration.



No. 1536, Jalan Perusahaan,
Bukit Tengah Industrial Park,
13600 Perai, Penang, Malaysia



SCOPE OF CRN REGISTRATION

Product Description	Drawing Number	Design Code	Size Range	Process Connections	Materials Specification	MAWP at MAWT	MDMT	Report Number
Pump Discharge Pressure Piping	MM0093-X-03 Rev. "-"	ASME B31.3, ASME BPE	1-1/2" OD x 0.065" Tube	ASME BPE Table DT-7.1-1 1-1/2" Type B,	ASTM A213 TP316L, ASTM A269 TP316L, ASTM A270 TP316L, ASTM A479 TP316L	30 psig at 60°C/140°F	-20°F	R-1941 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
0H24958.5
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program