



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

www.tssa.org

January 16, 2018

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2218600
Your Reference No.: R-0782A/B/C
Registered to: CUSTOM MANUFACTURED SYSTEMS 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 No.: 0H19968.5
Main Design No.: CMS INCORP MODEL FT150-6/8 & BDS25 - DWG# R-0782A/B/C ALL REV 0 -
SCOPE OF CRN REGISTRATION
Expiry Date: 16-Jan-2028

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. 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,

A handwritten signature in black ink, appearing to read 'Wendy Du', is written over a light blue horizontal line.

Wendy Du, P.Eng.
Technical Standards & Safety Authority
Boilers & Pressure Vessels Safety Program
Tel.: 416-734-3566
Fax: 416-231-6183
Email: wdu@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



CMS INCORP or CUSTOM MANUFACTURED SYSTEMS INC.

STATUTORY DECLARATION Registration of Fittings

I, JOE WALSON, PRESIDENT
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of CUSTOM MANUFACTURED SYSTEMS INC.
(Name of Manufacturer)

Located at 18 JARVIS STREET, CAMBRIDGE, ONTARIO, N1R 1G8 519-267-2824
(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, DIVISION 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 CSA B51 which has been verified by the following authority, TSSA

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:
DRAWINGS, DESIGN CALCULATIONS, SCOPE OF CRN REGISTRATION


(drawings, calculations, test reports, etc.)

Declared before me at City of Cambridge in the Regional Municipality of Waterloo
 the 20th day of July AD 2017.

Commissioner for Oaths:

David A. Kinder
(Printed name)

(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: DH19968.5

Registered by: Wendy Du

Dated: Jan. 16, 2018

NOTE: This registration expires on Jan. 16, 2028

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.:.....DH19968.5.....

Signed:.....Wendy Du.....

Date:.....Jan. 16, 2018.....

See attached stamped scope of CRN registration - WJ 01/16/2018



CUSTOM MANUFACTURED SYSTEMS INC.

18 JARVIS STREET
CAMBRIDGE, ONTARIO
CANADA, N1R 1G8

10-Nov-17

PAGE 1 OF 1

SCOPE OF CRN REGISTRATION

| Product Description | CMS INCORP Model | Design Code | Design Conditions (Note 1) | M.D.M.T. (Note 2) | Size | End Connection | Material Specification (Note 4) | Drawing Number |
|---------------------|------------------|-------------------------------|--|-------------------|--|--|--|-------------------|
| Flash Vessel | FT150-6 | ASME Section VIII, Division 1 | 285 psig at 100F 260 psig at 200F 230 psig at 300F 200 psig at 400F 170 psig at 500F | -20F | NPS 2-1/2" In/Out x 6.63" OD Shell | CL.150 RF Flanged (Note 3) | ASME SA105 C.Steel ASME SA53-E/B C.Steel ASME SA234-WPB C.Steel ASME SA36 C.Steel | R-0782A Rev. 0 |
| Flash Vessel | FT150-8 | ASME Section VIII, Division 1 | 285 psig at 100F 260 psig at 200F 230 psig at 300F 200 psig at 400F 170 psig at 500F | -20F | NPS 4" In/Out x 8.63" OD Shell | CL.150 RF Flanged (Note 3) | ASME SA105 C.Steel ASME SA53-E/B C.Steel ASME SA234-WPB C.Steel ASME SA36 C.Steel | R-0782B Rev. 0 |
| Separator | BDS25 | ASME Section VIII, Division 1 | 150 psig at 400F | -20F | NPS 1" Inlet NPS 3" Vent NPS 2-1/2" Drain 10.75" OD Shell | NPT, CL.150 RF Flanged (Note 3) | ASME SA105 C.Steel ASME SA53-E/B C.Steel ASME SA234-WPB C.Steel ASME SA36 C.Steel | R-0782C Rev. 0 |

Note 1: Per Section 2.1 of ASME B16.5 linear interpolation between values is permitted.

Note 2: M.D.M.T. = Minimum Design Metal Temperature.

Note 3: Flanges with a pressure class greater than class 150 Lb. may be used but in all cases the pressure-temperature ratings are limited to the values stated in the "Design Conditions" column above.

Note 4: SA106-B may substitute for SA53-E/B. SA516-70 may substitute for SA36.

