



To:	TSSA	From:	Janet Townsend
Company:	Engineered Controls International, LLC	Phone:	416-747-4291
Pages:	8	Location:	Toronto
Our File:	ANR-4426	Date:	April 4, 2017

Your File: 2017352

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Engineered Controls International, LLC.

These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces.

The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0H19075.56.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

Janet Townsend
Account Manager
CSA Group



Technical Standards and Safety Authority
345 Cerlingview 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

REGO®

STATUTORY DECLARATION Registration of Fittings

I, **CHAD THOMAS, VP GLOBAL ENGINEERING**

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of **ENGINEERED CONTROLS INTERNATIONAL LLC**

(Name of Manufacturer)

Located at **100 REGO DRIVE, ELON, NC - 27244**

(Plant Address)

336-449-7707

(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 B31.1**

(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 **ISO90001**

which has been verified by the following authority, **UNDERWRITERS LABORATORY INC**

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:

SEE ATTACHED LIST

(drawings, calculations, test reports, etc.)

Declared before me at **Engineered Controls Int'l / ELON** in the **County** of **Alamance, NC**
the **19th** day of **December** AD 20**16**

Commissioner for Oaths:

Marisa E. Elliott

(Printed name)

Marisa E. Elliott

(Signature)

Chad Thomas

(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: **CSA-0H19075.56**

Registered by: **A. BANWATT**

Dated: **MARCH 30 2017**

NOTE: This registration expires on: **JAN 11 2021**

PV 09553 (06/16)

**CERTIFIED
TRUE COPY**

Date: **Jan 11/17**

Signature: **[Signature]**

Colleen Anne Ratcliff,
a Commissioner, etc., City of Toronto, for the
Technical Standards & Safety Authority
Expires July 24, 2019

**MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA**

my commission expires **8/31/2021**

REGISTERED

CRN: CSA-0H19075.56


Registration Process administered by
CSA Group per CSA B51



This registration is based on a technical review performed by the province of initial registration in accordance with CSA B51 policy on reciprocal recognition of design review.

2. See attached scope of registration.




REGISTERED 

CRN: CSA-0H19075-56


Registration Process administered by
CSA Group per CSA B51

Technical Review performed per CSA B51
Performed by: ANRIC Enterprises Inc.

Signed: 

Date: 30 March, 2017

Category	System Number	Description	Drawing Number	Body Number	Body Material	Service Pressure
H	CFM4D	Manifold	450154	450154	Stainless Steel Pipe, ASTM A249, TP304L	600
			450043	450043	FC Brass, UNS C36000, ASTM B16	600
			1337C-22 SER	1337C-22C	Stainless Steel Pipe, ASTM A249, TP304L	600
			1337-63	1337-63	Stainless Steel Pipe, ASTM A249, TP304L	600
			450059	450059	Stainless Steel Pipe, ASTM A249, TP304L	600
			B-8400-12C	B-8400-12C	Bronze Cast Alloy, UNS C92200, ASTM B61	600

 1 OF 2

ATTACHMENT TO

C.R.N.: CSA-0419075.56

Signed: asbwell

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

THIS IS PART OF

CRN 0419075.5

Technical Standards & Safety Authority

Boilers & Pressure Vessels

Safety Program

Wan Jan 11/17

ATTACHMENT TO
C.R.N. CSA-07
Signed: [Signature]
178 Haxdale Boulevard, Toronto, Ont. M8T 1A1

SEE NOTE 2

SEE NOTE 3

DE (MO, VIK, YR)

Y 11550-477 TO THDS.
DUE TO 162x10 FT-LBS

APPLY 11550-477 TO THDS.
TORQUE TO 162x10 FT-LBS

(14 NPTF THD)

10.313
10.187

11.73

10.102 OPEN

10.500



ATTACHMENT TO

CR.N CSA-0H190755

Signed:

178 Rexdale Boulevard, Toronto, Ont. Canada M9W 1R3



- ⑥ NOTES:
- ① CLEAN AND PACKAGE PER B-11550-400 CRUISE SERVICE. SEE RESPECTIVE ASSEMBLY DRAWINGS FOR DETAILS. ASSEMBLE & TEST IN CLEAN AREA.
- ② DK STAMP "1950" IN TORQUE BOX OF (1) TORQUE TAGS AND ATTACH TAG TO HANDRAILS.
- ③ DK STAMP "211" IN TORQUE BOX OF (1) TORQUE TAG AND ATTACH TO RISER TUBE ASSEMBLY.
- ④⑤ TEST PER 4000-100.
5. ATTACH CLOSURES TO ALL END CONNECTIONS TO PROTECT & SEAL OPENINGS.
6. DIMENSIONS REQUIRED TO BE INSPECTED ARE NOTED WITH TOLERANCES.
7. B-9412-8 SEAT DISC ASSEMBLY (#19) TO BE USED WITH B16412-KTR UPPER ASSEMBLY-UNTESTED KIT (#2).

[illegible]



CERTIFICATE



This is to certify that

Engineered Controls International, LLC

100 Rego Drive
Elon, NC 27244
United States of America

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System**.

Scope:

The design and manufacture of valves, regulators and fittings for the L.P. Gas, Anhydrous Ammonia, LNG, and Compressed Gas Industries.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2008

Certificate registration no.	10001523 QM08
Date of original certification	1994-10-04
Date of certification	2015-12-22
Valid until	2018-09-14



DQS Inc.

Ganesh Rao
Managing Director



Annex to Certificate
Registration No. 10001523 QM08

Engineered Controls International, LLC

100 Rego Drive
Elon, NC 27244
United States of America

Location

10003889
Engineered Controls International, LLC
3181 Lear Drive
Burlington, NC 27215
United States of America

10003890
Engineered Controls International, LLC
911 Industrial Drive S.W.
Conover, NC 28613
United States of America





Saskatchewan
Municipal
Government

Saskatchewan

Procedural Services
330 - 1851 Victoria Avenue
Regina, Saskatchewan
S4P 3V7

787-4509

April 23, 1998

Re: Fittings Registration

The Province of Saskatchewan will be participating with Quebec, Manitoba and the Canadian Standards Association (CSA) in a pilot project for the registration of fittings. We will recognize registrations done by CSA and accept such fittings for use in Saskatchewan.

The letters CSA will be applied as a prefix to the CRN to indicate which fittings have been registered in this manner. I would appreciate if you could inform your clients of this additional marking requirement.

You may also inform your clients that fittings registered by CSA are accepted for use in Saskatchewan.

Yours truly,


N. Surtees, P. Eng.
Executive Director