



To:	TSSA	From:	Janet Townsend
Company:	Engineered Controls International, LLC	Phone:	416-747-4291
Pages:	8	Location:	Toronto
Our File:	ANR-4441	Date:	April 20, 2017

Your File: 2021064

**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-0H19096.56.

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**  
Program Manager  
CSA Group



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

**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.)

☒ I 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 **16<sup>th</sup>** 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 - OH19096.56**

Registered by:

**A. BANWATT**

Dated:

**APRIL 12 2017**

NOTE: This registration expires on:

**JAN 17 2027**

PV 09563 (06/16)

**CERTIFIED  
TRUE COPY**

Date: **Jan 16/17**  
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 - OH19096.56**

Registration Process administered by  
CSA Group per CSA B51

Note: See attachment as the scope of registration.



REGISTERED  CSA Group

CRN: CSA-0H19096.56

Registration Process administered by  
CSA Group per CSA B51

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

Signed: 

Date: 12 April, 2017

Category	System Number	Description	Drawing Number	Body Number	Body Material	Service Pressure
H	MVE10C	Vent Assembly	B-9407-1C	B-9408PT-3	Bronze Cast Alloy, UNS C92200, ASTM B61	600
			1337A-22 SER	1337A-22B	Stainless Steel Pipe, ASTM A312, TP304L	600
			B-9402-10	B-9402-10	Stainless Steel Pipe, ASTM A249, TP304L	600

 **CSA Group** 10F2

ATTACHMENT TO

C.R.N. CSA-BH19096.56

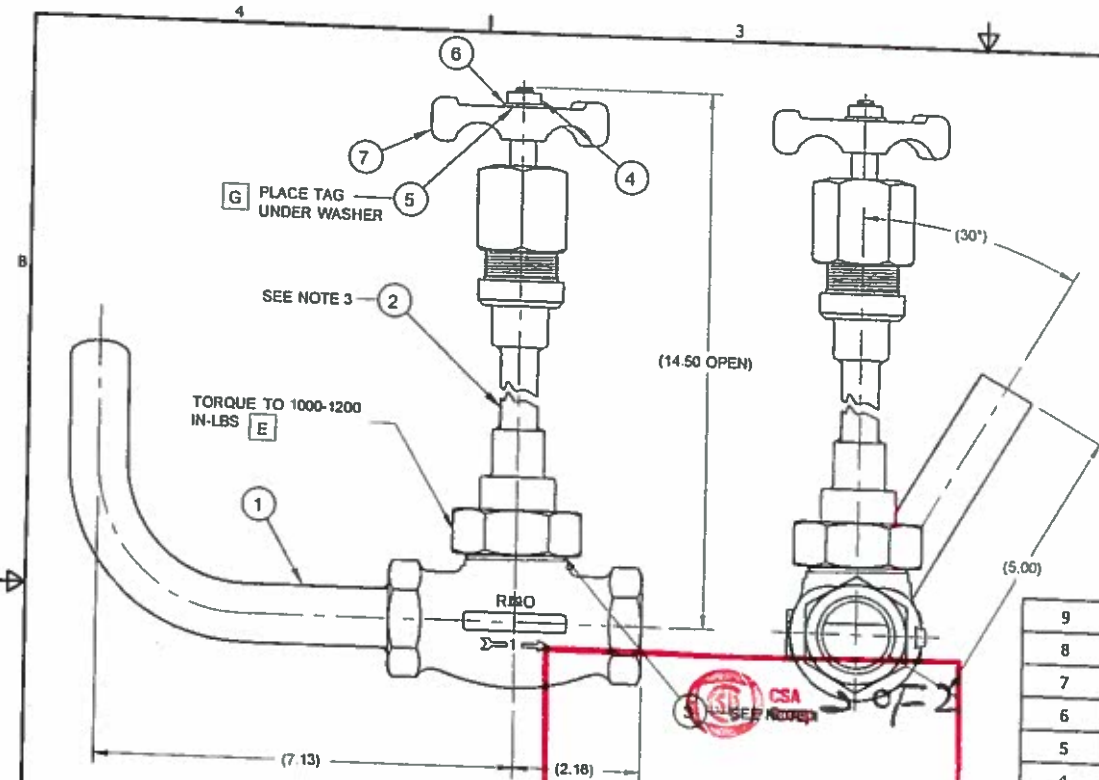
Signed: [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

THIS IS PART OF  
 CRN 0H19096.5  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

[Signature] Jan 17/17

APPROVED/CONTROLLED



ATTACHMENT TO  
C.R.N. **CSA-0H19096.5**

Signed: *[Signature]*  
178 Roush Road, London, ON Canada M9W 1R3

NOTES:

- G 1. CLEAN GASKET PER B-11550-400 FOR OXYGEN SERVICE.
- D 2. TEST PER 8400-100.
- E 3. STAMP DATE CODE (MO, WK, YR), 13 STD. FIGURES ON BOWNET & BODY.
- G 4. ATTACH TORQUE TAG TO HANDWHEEL/STEM.
- G 5. INSTALL CLOSURES ON ALL OPENINGS.
- G 6. SEAL PRODUCT IN POLYBAG AND INCLUDE OXYGEN CLEAN INFORMATION IN OR ON BAG IN A TAMPER EVIDENT MANNER.

CHART

**THIS IS PART OF**  
**CRN 0H19096.5**  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels  
Safety Program  
*Whe JAN 17*

REVISION HISTORY		
REV	DATE	DESCRIPTION
A-E		REV
F	AG340, 8-6-09	REV
G	2011-305, 7-21-11	REV

ITEM	QTY	TITLE	PART NUMBER
9	1	TAG, TORQUE (1100) (NOT SHOWN) SEE NOTE 4	B-9403-50C
8	1	SEAT DISC ASSY (NOT SHOWN)	B-9408-7
7	1	HANDWHEEL-GREEN	2507-15GP
6	1	WASHER	450028
5	1	TAG, HCV-13 PRODUCT SUPPLY	11573-506
4	1	LOCKNUT	7505A-13SS
3	1	GASKET	B-9408-1
2	1	UPPER ASSY-UNTESTED	B-9408-KITU
1	1	BRAZED ASSY	MVE10C-2

DESIGNED T. TICKLE	ISSUED DATE 12-6-00
CHECKED N. LEE	CHECKED DATE 8-11-11
INSPECTED J. HOWARD	INSPECTED DATE 8-30-11
APPROVED D. GENTILE	APPROVED DATE 8-30-11
REFERENCE NUMBER	IDENTIFIER
PROJECT NAME	DESIGN CODE
SCALE .5:1	REV LEVEL G

UNLESS OTHERWISE SPECIFIED: 2 PL DEC A.015 3 PL DEC A.02 4 PL DEC A.005 ANGLES A 1°
CONCENTRICITY Y .010 DIA FINISH 125 MAX, REMOVE BURRS, BREAK SHARP EDGES R.015 MAX INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M-1994
CHANGES GAUGES

<b>ENGINEERED CONTROLS INTERNATIONAL, LLC.</b> <b>REGO</b> <b>REGO CRYO-FLOW</b> ELDM, N.C. 27244 BURLINGTON, N.C. 27215	
THIS DRAWING IS ECI PROPRIETARY INFORMATION. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	
TITLE <b>VENT ASSY</b>	
DRAWING NUMBER <b>MVE10C</b>	DWG SIZE <b>B</b>





# 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**



March 2017

## **CRN – Canadian Registration Numbers - Saskatchewan**

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of “Fittings”.

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters “CSA” are applied as a prefix to the CRN to indicate which “Fittings” have been registered in this manner. You should inform your clients of this additional marking requirement and that “Fittings” registered by CSA Group are accepted for use in Saskatchewan Canada.