



To:	TSSA	From:	Janet Townsend
Company:	Engineered Controls International, LLC	Phone:	416-747-4291
Pages:	7	Location:	Toronto
Our File:	ANR-4419	Date:	April 4, 2017

Your File: 2013790

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-0H19061.56.

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 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 **11th** 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-0H19061.56

Registered by:

A. BANWATT

MARCH 30. 2017

Dated: **CSA**

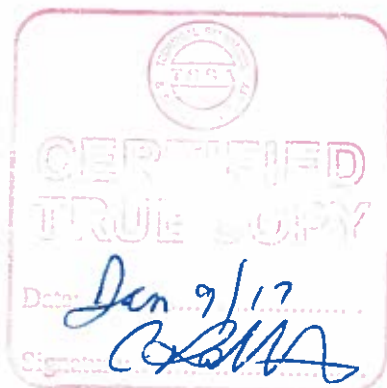
NOTE

This registration expires on: **JAN. 09. 2027**

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

Signed: **ABWatt**

Date: **30 March, 2017**



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-0H19061.56



Registration Process administered by
CSA Group per CSA B51

Note: 1. This registration is based on CSA B51 reciprocal policy;
2. Renewal registration without design change.

Category	System Number	Description	Drawing Number	Body Number	Body Material	Service Pressure
H	MVE3C	Vent Assembly	B-9407-1C	B-9408ST-1	Bronze Cast Alloy, UNS C92200, ASTM B61	600
			2227-32	2227-32	FC Brass, UNS C36000, ASTM B16	600
			1337-2	1337-2	Stainless Steel Pipe, ASTM A249, TP304L	600
			1337-12	1337-12	Stainless Steel Pipe, ASTM A312, TP304L	600
			1337A-22 SER	1337A-22A	Stainless Steel Pipe, ASTM A312/A269, TP304L	600


CSA Group

10F2

ATTACHMENT TO

C.R.N.: CSA-0419061.56

Signed: [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

THIS IS PART OF
 CRN 0419061.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

Lubac Jan 9/17

Technical drawing of a mechanical assembly, likely a valve or actuator, showing dimensions and callouts.

Dimensions:

- (18.00)
- (35°)
- (9.13)
- (3.50)
- (5.41)

Callouts and Labels:

- (1" NPS SCH 5 304 SS TL PIPE)
- (1" NPT)
- TORQUE TO 1000-1200 IN-LBS
- ATTACHMENT
- C.R.N.
- Signed:
- 178 Renda

Flow Direction: Indicated by an arrow labeled "FLOW" pointing downwards.



$\rightarrow CFZ$

C.R.N. CSA-0419061.56
Signed: [Signature]
178 Rexdale Blvd., Toronto, ON Canada M9W 1R3
(416)

- NOTES:
1. CLEAN ALL COMPONENTS PER D-11550-400 FOR OXYGEN SERVICE JUST PRIOR TO ASSEMBLY. STORE ITEMS CLEAN, ASSEMBLE AND TEST IN CLEAN AREA.
 2. STAMP DATE CODE ON BOWMAN & BODY.
 3. ATTACH TORQUE TAG TO HANDWHEEL/STEM.
 4. TEST PER 8400-100.
 5. INSTALL CLOSURES ON ALL OPENINGS.
 6. SEAL PRODUCT IN POLYBAG AND INCLUDE OXYGEN CLEAN INFORMATION IN OR ON BAG. SEAL BAG IN A TAMPER EVIDENT MANNER.

9	1	CASKEY			B-9408-1
8	1	TAG-TORQUE (1100) (NOT SHOWN) SEE NOTE 3			B-9403-SOC
7	1	SEAL DECC ASSY (NOT SHOWN)			B-9408-7
6	1	UPPER ASSEMBLY (UNTESTED)			1B-8400-KTU
5	1	HANDWEAVE			2507-15C
4	1	TAG HCV-12 VAPOR VENT			11513-5-507
3	1	WASHER			4350028
2	1	NUT			7505A-13SS
1	1	BRAZED ASM			MVE3C-2
ITEM QTY		RE SPECIAL IN		REASON	

REGO CRYO-FLOW PRODUCTS BURLINGTON, NC

DESIGN: <i>W. P. Miller</i> DRAWN: <i>W. P. Miller</i> CHECKED: <i>W. P. Miller</i> DATE: <i>5-27-01</i> SCALE: (5.9) ORIGINAL G.D.: REVISION: DRAWING NO.: JOB NO.:	THIS DRAWING IS OUR PROPRIETARY INFORMATION ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED <div style="text-align: center; font-size: 2em; font-weight: bold; margin-top: 20px;">VENT ASSY</div> <div style="text-align: center; font-size: 2em; font-weight: bold; margin-top: 20px;">MVE3C</div>
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OTHER NOTES SPECIFIED:

1 PL. DEC. 8 2015

2 PL. DEC. 8 2015

3 PL. DEC. 8 2015

CONCENTRICITY .010 DIA

FINISH .125 MAX

FINISH .0008 MAX

WAVELENGTH .0012 MAX

F

11-408, 10 13-11

REV



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