



To:	TSSA	From:	Janet Townsend
Company:	Engineered Controls International LLC	Phone:	416-747-4291
Pages:	8	Location:	Toronto
Our File:	ANR-4423	Date:	March 29, 2017

Your File: 2015666

**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-0H19074.56.

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®**

- Note: 1. 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.



**CSA Group**

## 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, Intl** in the **County** of **Alamance**  
the **16<sup>th</sup>** day of **December** AD 20 **14**

Commissioner for Oaths:

**Marisa E. Elliott**

(Printed name)

**Marisa E. Elliott**

(Signature)

**Chad M. 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-0H19074.56**

Registered by: **A. BANWATT**

Dated: **MARCH 08 2017**

NOTE: This registration expires on: **JAN. 11 2027**

PV 09553 (08/16)

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

Signed: **A. Banwatt**

Date: **28 March 2017**

**CERTIFIED  
TRUE COPY**

Date: **Jan 10/17**

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-0H19074.56**



Registration Process administered by  
**CSA Group per CSA B51**



345 Carlingview Drive  
Toronto, Ontario M9W 5N9  
Tel. 416.734.3300  
Fax. 416.231.1626  
Toll Free 1.877.682.8772

[www.tssa.org](http://www.tssa.org)

January 11, 2017

CHAD THOMAS  
ENGINEERED CONTROLS INTERNATIONAL LLC  
100 REGO DR  
ELON NC 27244  
US

**Service Request Type:** BPV-Fitting Registration

**Service Request No.:** 2000424

**Your Reference No.:**

**Registered to:** ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

**CRN No.:** 0H19074.5

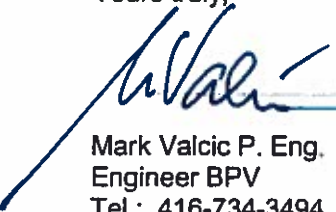
**Main Design No.:** Dwg. No. MVE11C Rev. E, Vent Assembly.

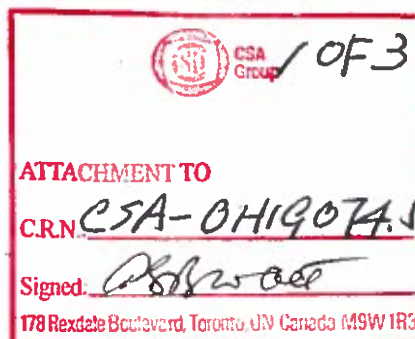
**Expiry Date:** 11-Jan-2027

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](mailto: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,


  
Mark Valcic P. Eng.  
Engineer BPV  
Tel.: 416-734-3494  
Fax: 416-231-1626  
Email: [mvalcic@tssa.org](mailto:mvalcic@tssa.org)



Category	System Number	Description	Drawing Number	Body Number	Body Material	Service Pressure
H	MVE11C	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

THIS IS PART OF  
**CRN 0H19074.5**  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

*Lu Vela Jan 11/17*

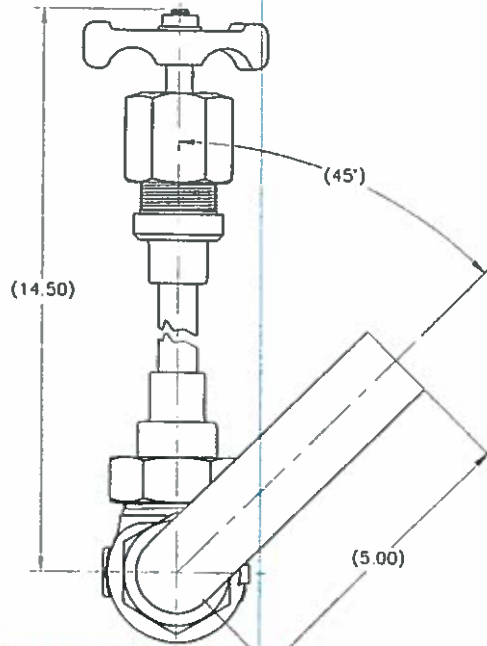

 CSA Group 20F3

ATTACHMENT TO

CRN: CSA-0H19074.56

Signed: *Ashtwale*

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3



30F-3

ATTACHMENT TO

C.R.N. CSA-0419074.5

Signed: ASB

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

©

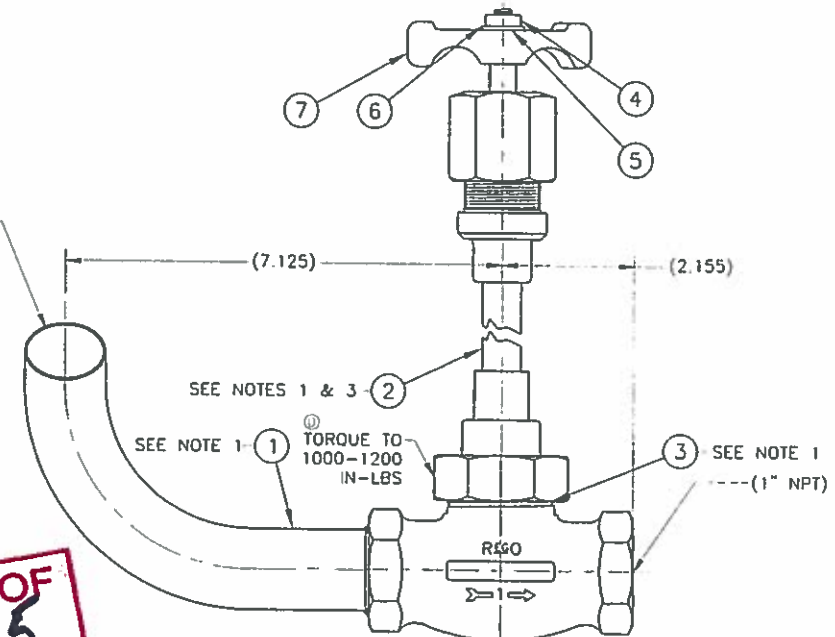
NOTES:

1. ITEMS 1 & 2 CLEANED PER DRAWINGS. ITEM 3 TO BE CLEANED PER B-11550-400.
2. TEST PER 8400-100.
3. STAMP DATE (MO, WK, YR) .13 STD. FIGURES ON BONNET & BODY.
- ④ 4. ATTACH TORQUE TAG TO HANDWHEEL/STEM.
5. INSTALL CLOSURES ON ALL OPENINGS.
6. ENCLOSE ASSEMBLY AND OXYGEN CLEAN SPEC. LABEL IN A PLASTIC BAG. SEAL BAG IN A TAMPER EVIDENT MANNER.

**THIS IS PART OF**  
**CRN 0419074.5**  
**Technical Standards & Safety Authority**  
**Boilers & Pressure Vessels**  
**Safety Program**

*W/ale JAN 11/17*

(1" NPS SCH 5  
304 SSTL PIPE)



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 ASM (UNTESTED)	B-9408-KITU
1	1	BRAZED ASM	MVE11C-2

REGO CRYO-FLOW PRODUCTS BURLINGTON, NC

DRAWN: <i>[Signature]</i> CHECKED: <i>[Signature]</i> UNLESS OTHERWISE SPECIFIED: TYPED: 1/8" DIA S.P. DIA: 1/4" DIA ANGLES: 1/4" DIA CONCENTRICITY: 0.005 PM FINISH: 125 MAX REMOVED: 125 MAX REMOVED: 125 MAX	ENGINEER: <i>[Signature]</i> APPROVED: <i>[Signature]</i> SCALE: 1/2" = 1" REVISION: <i>[Signature]</i> E: AUG 14, 2000 JJS P/V	THIS DRAWING IS FOR PROPRIETARY INFORMATION ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED TITLE: VENT ASSY PART NO: MVE11C B
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CHART





# 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