



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

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

May 15, 2018

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

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 2044330  
**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.:** 0H20347.5  
**Main Design No.:** Dwg. No. MVE5D SER Rev. A, Vent Assembly  
**Expiry Date:** 15-May-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](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 Specialist BPV  
Tel.: 416-734-3494  
Fax: 416-231-1626  
Email: [mvalcic@tssa.org](mailto:mvalcic@tssa.org)



Technical Standards and Safety Authority  
 345 Carlingview Drive  
 Toronto, Ontario M9W 6N9  
 Customer Service: 1.877.682.8772  
 Fax: 416.231.6183  
 www.tssa.org



REASSIGNED  
 TO MARK  
 MAY 3/18

National Design Registration  
 Application for a CRN  
 Technical Standards and Safety Act  
 Boilers and Pressure Vessels Regulation

<b>Date of Application (mm/dd/yyyy):</b> 3/30/2018	<b>Expedited Service (Ontario Only)</b> <input type="checkbox"/> Yes (form attached) <input checked="" type="checkbox"/> No	<b>Service Request Number: (For office use only)</b> 2044330 <b>NAT 2044338</b>
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Please indicate the type of design for National Service:  
 Pressure Vessel  Boiler  Fitting

Existing CRN:  
 (if applicable)

<b>Section A: Submitter (Legal Company Name)</b>	<b>Section B: Invoicee</b> Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> C <input type="checkbox"/> D
Company Name: ENGINEERED CONTROLS INTERNATIONAL, LLC.	Company Name:
Address: 100 REGO DRIVE	Address:
City/Town: ELON Province/State: NC	City/Town: Province/State:
Postal/Zip Code: 27244 Country: USA	Postal/Zip Code: Country:
Telephone: 336-446-7707	Telephone:
Contact Name: CHAD THOMAS	Contact Name:
E-mail: cthomas@regoproducts.com	E-mail:
Job No./Reference:	Purchase Order No.:
Drawing/Catalog No.: MVE5D SER	
Account/Customer Number:	Account/Customer Number
<b>Section C: Owner of Design/ CRN</b> Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> D	<b>Section D: Manufacturer</b> Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C
Company Name:	Company Name:
Address:	Address:
City/Town: Province/State:	City/Town: Province/State:
Postal/Zip Code: Country:	Postal/Zip Code: Country:
Telephone:	Telephone:
Contact Name:	Contact Name:
E-mail:	E-mail:
Acct/Cust No.:	Acct/Cust No.:

**Kindly select the province registration is required:**  
 For renewals or additions to registrations where registration was obtained outside of Ontario first, in order to keep that registration number, please apply to the original registering province first, then proceed to apply with national registration with TSSA. If you proceed with national registration at TSSA first, we will need to issue a new registration number.

<input checked="" type="checkbox"/> Ontario	<input checked="" type="checkbox"/> Saskatchewan	<input checked="" type="checkbox"/> New Brunswick	<input checked="" type="checkbox"/> Newfoundland and Labrador
<input checked="" type="checkbox"/> British Columbia	<input checked="" type="checkbox"/> Manitoba	<input checked="" type="checkbox"/> Nova Scotia	<input checked="" type="checkbox"/> Yukon
<input checked="" type="checkbox"/> Alberta	<input checked="" type="checkbox"/> Quebec	<input checked="" type="checkbox"/> Prince Edward Island	<input checked="" type="checkbox"/> Northwest Territories
			<input checked="" type="checkbox"/> Nunavut

Return Mail to:  A  B  C  D  Call for Pick up at Head Office

**Optional Courier Collect:**  
 (Completed ON Reg. Only)

DHL  FEDEX  PUROLATOR  UPS  
 Acct No.: \_\_\_\_\_

**REGISTRATION NUMBER: (For Office Use Only)**  
 OH/20347.5

Crowley

National Design Registration  
Application for a CRN  
Technical Standards and Safety Act  
Boilers and Pressure Vessels Regulation

INTAKE GROUP  
Date: 244330 (cont)  
SR #: 244338 (NAT)  
Agent: (NAT)



Technical Standards and Safety Authority  
345 Carlingview Drive  
Toronto, Ontario M9W 6N9  
Fax: 416.231.6183  
Customer Service: 1.877.682.8777  
www.tssa.org



Date of Application (mm/dd/yyyy): 12/16/2016  
 Expedited Service (please attached request form)

Please indicate the type of design:  Boiler  Pressure Vessel  Fitting

Existing CRN: \_\_\_\_\_ (if applicable)

**Section A: Submitter**  
 Company Name: ENGINEERED CONTROLS INTERNATIONAL, LLC.  
 Address: 100 REGO DRIVE  
 City/Town: ELON Province/State: NC  
 Postal/Zip Code: 27244 Country: USA  
 Telephone: 336-449-7707 Fax:  
 Contact Name: CHAD THOMAS  
 E-mail: cthomas@regoproducts.com  
 Job No./Reference:  
 Drawing/Catalog No.:

Same as:  A  B  C  D

Acct/Cust No.: 4400283 093915  
**Section C: Owner of Design/CRN** Same as:  A  B  C  D

**Section D: Manufacturer**  
 (If more than one please attach list)  
 Company Name:  
 Address:  
 City/Town: Province/State:  
 Postal/Zip Code: Country:  
 Telephone: Fax:  
 Contact Name:  
 E-mail:  
 Acct/Cust No.:

Registration required in the following jurisdictions:  
 Ontario  Saskatchewan  New Brunswick  Newfoundland and Labrador  
 British Columbia  Manitoba  Nova Scotia  Yukon  
 Alberta  Quebec  Prince Edward Island  Northwest Territories  
 Nunavut

Deposit included:  CDN \$600.00 - Ontario and up to 2 additional provinces  CDN \$1,200.00 - Ontario and 3 or more additional provinces  
 Cheque No. \_\_\_\_\_ Amount \$ \_\_\_\_\_  
 (Deposit to be applied to the incurred fees when all jurisdictions are complete - any charges over and above deposit amount will be invoiced at that time.)

Return mail address:  A  B  C  Optional: Courier Collect  
 Account No.: \_\_\_\_\_  
 Signed: *Chad Thomas* Date (mm/dd/yyyy): 12/16/2016  
 CRN Issued: \_\_\_\_\_

Date: \_\_\_\_\_  
 Reviewing Engineer: \_\_\_\_\_  
 (mm/dd/yyyy)  
 PV 09557 (08/16)



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 336-449-7707  
(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 B31.3

(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 - Mve5D

(drawings, calculations, test reports, etc.)

Declared before me at Atamance County in the State of North Carolina  
 the 20 day of April AD 2018

Jennifer Versage Watson  
 Notary Public  
 Rockingham County  
 North Carolina  
 My Commission Expires 03/05/2023

Commissioner for Oaths:

Jennifer Versage Watson  
(Printed name)  
Jennifer Versage Watson  
(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: OH 20347.5

Registered by: MARC VALCIC, P.ENG.

Dated: MAY 15, 2018

NOTE: This registration expires on: MAY 15, 2028

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

OFFICE REGISTERED

C.R.N.: OH 20347.5

Signed: MARC VALCIC

Date: MAY 15, 2018



# 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**



This annex (edition: 2015-12-22) is only valid in connection with the above-mentioned certificate.



345 Carlingview Drive  
Toronto, Ontario  
CANADA M9W 6N9  
Tel.: 416.734.3300  
Fax.: 416.231.1626  
Toll Free: 1.877.682.8772  
[www.tssa.org](http://www.tssa.org)

August 02, 2018

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

Service Request Type.: BPV-National AB  
Service Request No.: 2315534  
Your Reference No.:  
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Please find enclosed the original response from AB, registered under the CRN No.: 0H20347.52.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.  
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis  
Administrative Assistant \_ BPV Engineering  
Tel. : 416-734-3423  
Fax : 416-231-6183  
Email : [tfrancis@tssa.org](mailto:tfrancis@tssa.org)

July 20, 2018

**Attention:** Joanna Karpinski  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO, ON M9W 6N9

**Email:** JKarpinski@tssa.org

The design submission, tracking number 2018-03481, originally received on May 30, 2018 was surveyed and accepted for registration as follows:

**CRN :** 0H20347.52 **Accepted on:** July 20, 2018

**Reg Type:** ADDITION TO ACC. FITTING **Expiry Date:** May 15, 2028

**Drawing No. :** MVE5D SER VENT ASSEMBLY Rev 9 As Noted

**Fitting type:** ASSEMBLY

Design registered in the name of : ENGINEERED CONTROLS INTERNATIONAL LLC

Description	MAWP	Design Temperature	MDMT
Internal Pressure	4137kPa	74 °C	-196 °C

**The registration is conditional on your compliance with the following notes:**

*As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is ASME B31.3.*

- *This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- *This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- *Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

*Valve has its own CRN 0H18162.2.*

*Material used is suitable for design temperature and MDMT.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 or fax (780) 437-7787 or e-mail liu@absa.ca.

Sincerely,



LIU, XING, P. Eng.  
DOP Cert. No. D00008861



STATUTORY DECLARATION Registration of Fittings

I, Chad Thomas, V.P of Engineering of Engineered Controls International, LLC. located at 100 Rego Drive, Elon - 27244, NC, USA



do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ASME B31.3 which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, 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, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001 / UL. INC as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Category H

(brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:

See attached list - MVE5D

DECLARED before me at Elon in the State of North Carolina this 20 day of April, 2018. Jennifer Versage Watson Notary Public Rockingham County North Carolina My Commission Expires 03/05/2023

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category H

Registration Number: OH20347.52 (Signature of the Administrator/SCO)

Date Registered: 2018-07-20 Expiry Date: 2028-05-15



345 Carlingview Drive  
Toronto, Ontario  
CANADA M9W 6N9  
Tel.: 416.734.3300  
Fax.: 416.231.1626  
Toll Free: 1.877.682.8772  
[www.tssa.org](http://www.tssa.org)

August 02, 2018

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

Service Request Type.: BPV-National ACI Central  
Service Request No.: 2315548  
Your Reference No.:  
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0H20347.59870YTN.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis  
Administrative Assistant\_ BPV Engineering  
Tel. : 416-734-3423  
Fax : 416-231-6183  
Email : [tfrancis@tssa.org](mailto:tfrancis@tssa.org)


**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Engineered Controls International, LLC</u>	
MANUFACTURERS ADDRESS: <u>100 Rego Drive, Florin, NC-27244</u>	
PLANT LOCATIONS: <u>Elon</u>	
<b>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</b>	
<p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)</p>	TITLE OF THE STANDARD OF CONSTRUCTION:  <b>ASME B31.3</b>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	
TYPE OF CONSTRUCTION: FORGED OR WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:  <b>MVC5D</b>	

**DECLARATION:**

I, Chad Thomas (see note 2) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by \_\_\_\_\_ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Chad Thomas

Declared before me at Rockingham County, North Carolina

This 20 day of April AD 2018

Commissioner of Oaths  
or Notary Public (sign)

[Signature]  
(Affix Official seal to the right)

USE THIS SPACE FOR THE  
OFFICIAL

Jennifer Versage Watson  
Notary Public  
Rockingham County  
North Carolina

My Commission Expires 03/05/2023

This space for Regulatory Authority use  
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0H20347.5

FID#: 1704

**ACCEPTED**  
PROVINCE OF PRINCE EDWARD ISLAND  
COMMUNITIES, LAND & ENVIRONMENT

C.R.N. 0H20347.59

DATE: June 8 2018

[Signature]  
**INSPECTION SERVICES SECTION**  
BOILER/PRESSURE VESSEL BRANCH

**Notes:**

1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.


**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Engineered Controls International, LLC</u>	
MANUFACTURERS ADDRESS: <u>100 Rego Drive, Elm, NC-27244</u>	
PLANT LOCATIONS: <u>Elm</u>	
<b>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</b> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)	<b>TITLE OF THE STANDARD OF CONSTRUCTION</b>  ASME B31.3
<b>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</b>  	<b>TYPE OF CONSTRUCTION</b> FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
<b>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</b>  MVC50	

**DECLARATION:**

I, Chad Thomas (new note 3) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by \_\_\_\_\_ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]  
Declared before me at Roanoke County, North Carolina  
This 20 day of April AD 2018  
Commissioner of Oaths or Notary Public: (sign) [Signature]  
(Affix Official seal to the right)

THIS SPACE FOR THE OFFICIAL SEAL OF THE NOTARY PUBLIC  
Jennifer Vetsage Watson  
Notary Public  
Rockingham County  
North Carolina  
My Commission Expires 03/05/2023

This space for Regulatory Authority use  
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OH20347.5  
FID#: 1704

Notes:  
1. All fittings shall be registered in the name of the Manufacturer.  
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.  
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.  
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

BOILER & PRESSURE VESSEL  
NOVA SCOTIA  
Date June 8/18  
C.R.N. OH20347.58  
Dwg. as described  
Signed Yvonne Perry  
1 of 1  
Part  
ACT & REGULATIONS

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  
NOVA SCOTIA  
PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES  
NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME:

Engineered Controls International, LLC  
100 Rego Drive, Elm, NC 27244  
Elm

MANUFACTURERS ADDRESS:

PLANT LOCATIONS:

CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY

TITLE OF THE STANDARD OF CONSTRUCTION

A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers

B Flanges: all flanges

C Valves: all line valves

D Expansion joints, flexible connections, and hose assemblies: all types

E Strainers, filters, separators, and steam traps

F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters

G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs

H Pressure retaining components that do not fall into one of the above categories

N Nuclear components: Class 1  Class 2  Class 3  (Meeting AECB or ASME requirements)

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT



TYPE OF CONSTRUCTION  
FORGED  WELDED  WROUGHT  OTHER  DESCRIBE OTHER

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:

MVC-5D

DECLARATION:

I, Chad Thomas, employed by ECI

responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by \_\_\_\_\_ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer \_\_\_\_\_

Declared before me at \_\_\_\_\_ AD \_\_\_\_\_

Commissioner of Oaths

or Notary Public: (sign)

(Affix Official seal to the right)

This space for Regulatory Authority use

My Commission Expires 03/05/2023

Jennifer Verlage Watson  
Notary Public  
Rockingham County  
North Carolina

BRUNSWICK  
DEPT OF PUBLIC SAFETY  
BOILER & PRESSURE VESSEL ACT

REGISTRATION ONLY

CRN: OH20347.57

EXAMINER: \_\_\_\_\_

DATE: 6/11/2018

FITTINGS  COMPONENTS

BLRS  PVS

- Notes:
- All fittings shall be registered in the name of the Manufacturer.
  - Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
  - The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
  - Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Engineered Controls International, LLC  
 MANUFACTURERS ADDRESS: 100 Rego Drive, Elon, NC 27244  
 PLANT LOCATIONS: Elon

**CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY**

A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers  
 B Flanges: all flanges  
 C Valves: all line valves  
 D Expansion joints, flexible connections, and hose assemblies: all types  
 E Strainers, filters, separators, and steam traps  
 F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters  
 G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs  
 H Pressure retaining components that do not fall into one of the above categories  
 N Nuclear components: Class 1  Class 2  Class 3  (Meeting AECB or ASME requirements)

**TITLE OF THE STANDARD OF CONSTRUCTION**  
  
ASME B31.3

**SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT**

**REGO®**

**TYPE OF CONSTRUCTION**  
 FORGED  WELDED  WROUGHT   
 CAST  OTHER   
 DESCRIBE OTHER:

**LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:**

MVC5D

**DECLARATION:**  
 I Chad Thomas (see note 3) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by \_\_\_\_\_ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]  
 Declared before me at Rockingham County, North Carolina  
 This 20 day of April AD 2018  
 Commissioner of Oaths or Notary Public: (sign) [Signature]  
 (Affix Official seal to the right)

OFFICIAL SEAL

Jennifer Versage Watson  
 Notary Public  
 Rockingham County  
 North Carolina  
 My Commission Expires 03/05/2023

This space for Regulatory Authority use  
 This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OH20347.5  
 FID#: 1704

**Newfoundland  
 Labrador  
 Service NL**

Registered OH20347.50  
 Date 14 JUNE 2018  
 Engineering and Inspection Services  
 Registered by [Signature]

**Notes:**  
 1. All fittings shall be registered in the name of the Manufacturer.  
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.  
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.  
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

UNDER THE AUTHORITY OF THE  
 PUBLIC SAFETY ACT AND  
 THE BOILER, PRESSURE VESSEL AND  
 COMPRESSED GAS REGULATIONS

**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Engineered Controls International, LLC  
 MANUFACTURERS ADDRESS: 100 Rego Drive, Elcom, NC-27244  
 PLANT LOCATIONS: Elcom

<p><b>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</b></p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers                  B Flanges: all flanges                  C Valves: all line valves                  D Expansion joints, flexible connections, and hose assemblies: all types                  E Strainers, filters, separators, and steam traps                  F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters                  G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs                  H Pressure retaining components that do not fall into one of the above categories                  N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/>, (Meeting AECB or ASME requirements)</p>	<p><b>TITLE OF THE STANDARD OF CONSTRUCTION</b></p> <p align="center">ASME B31.3</p>
---	--

<p><b>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</b></p> <p align="center"><b>REGO®</b></p>	<p><b>TYPE OF CONSTRUCTION</b></p> <p>FORGED <input checked="" type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/>                  CAST <input type="checkbox"/> OTHER <input type="checkbox"/>                  DESCRIBE OTHER:</p>
---	--

**LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:**

MVC5D

**DECLARATION:**  
 I Chad Thomas (see note 3) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by \_\_\_\_\_ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]  
 Declared before me at Klammance County, North Carolina  
 This 20 day of April AD 2018  
 Commissioner of Oaths or Notary Public: (sign) [Signature]  
 (Affix Official seal to the right)

OFFICIAL

Jennifer Versage Watson  
 Notary Public  
 Rockingham County  
 North Carolina  
 My Commission Expires 03/05/2023

This space for Regulatory Authority use

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OH20347.5  
 FID#: 1704

Notes:  
 1. All fittings shall be registered in the name of the Manufacturer.  
 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.  
 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.  
 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.



UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK NUNAVUT NOVA SCOTIA YUKON PRINCE EDWARD ISLAND NORTHWEST TERRITORIES NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Engineered Controls International, LLC  
MANUFACTURERS ADDRESS: 100 Rego Drive, Glen, NC-27344  
PLANT LOCATIONS: Glen

CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY  
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers  
B Flanges: all flanges  
C Valves: all and valves  
D Expansion joints, flexible connections, and hose assemblies: all types  
E Strainers, filters, separators, and steam traps  
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters  
G Certified capacity-rated pressure relief devices except as primary over pressure protection on boilers, pressure vessels, piping and tanks/plugs  
H Pressure retaining components that do not fall into one of the above categories  
N Nuclear components: Class 1  Class 2  Class 3  (Meeting ASME or ASME requirements)

SHOW MANUFACTURERS NAME, TRADEMARK OR LOGO AS IT WILL APPEAR ON THE PRODUCT  
REGO  
FORWARD WRITING  OTHER  WROUGHT  DESCRIBE OTHER:

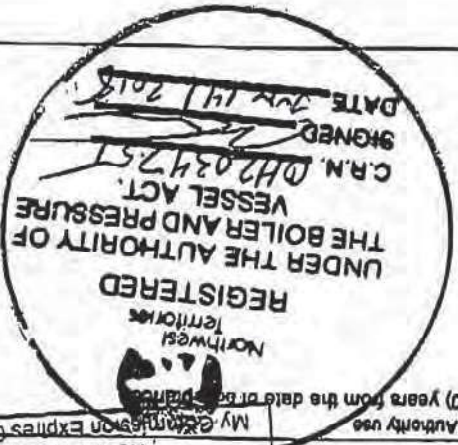
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:  
MVC-6D

DECLARATION: I, Chad Thomas (last name) employed by BCT and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by Chad Thomas as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Chad Thomas  
Declared before me at Rockingham County, North Carolina on April 25 day of April AD 2018  
Commissioner of State or Notary Public (signature): [Signature]  
(Attach Official seal to the right)

This space for Regulatory Authority use  
This registration must be revalidated after ten (10) years from the date of registration  
My Commission Expires 03/31/2023  
Jannifer Ve/sage Watson  
Notary Public  
Rockingham County  
North Carolina

NOTES:  
1. All fittings shall be registered in the name of the Manufacturer.  
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.  
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.  
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.



8200




**UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS**

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Engineered Controls International, LLC</u>	
MANUFACTURERS ADDRESS: <u>100 Rego Drive, Elm, NC-27244</u>	
PLANT LOCATIONS: <u>Elm</u>	
<b>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</b>	
<p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/>, (Meeting AECB or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p><b>ASME B31-3</b></p>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	<p>TYPE OF CONSTRUCTION</p> <p>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/></p> <p>CAST <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>DESCRIBE OTHER:</p>
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
<p>MVC-5D</p>	

**DECLARATION:**

I, Chad Thomas (see note 2) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by \_\_\_\_\_ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: \_\_\_\_\_

Declared before me at Rockingham County, North Carolina

This 20 day of April AD 2018

Commissioner of Oaths  
or Notary Public: (sign) \_\_\_\_\_

(Affix Official seal to the right)

USE THIS SPACE FOR THE  
OFFICIAL SEAL

Jennifer Versage Watson  
Notary Public  
Rockingham County  
North Carolina

My Commission Expires 03-05-2023

<p>This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>OH20347.5</u></p> <p>FID#: <u>1704</u></p> <p>Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.</p>	<p>This space for Regulatory Authority use</p>  <p><b>NUNAVUT</b> Boilers and Pressure Vessels Act</p> <p><b>REGISTERED</b></p> <p>CRN <u>OH20347.5N</u></p> <p>Date <u>June 08, 2018</u></p> <p>Signed <u>[Signature]</u> Chief Inspector</p> <p><b>Territorial Registration Fee</b></p>
---	--



345 Carlingview Drive  
Toronto, Ontario  
CANADA M9W 6N9  
Tel.: 416.734.3300  
Fax.: 416.231.1626  
Toll Free: 1.877.682.8772  
[www.tssa.org](http://www.tssa.org)

June 26, 2018

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

Service Request Type.: BPV-National BC  
Service Request No.: 2315656  
Your Reference No.:  
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Please find enclosed the original response from BC, registered under the CRN No.: 0H20347.51.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Joanna Karpinski

Tel: 416-734-3377  
Fax: 416-231-6183  
Email: [jkarpinski@tssa.org](mailto:jkarpinski@tssa.org)

TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO ON M9W 6N9

**Date:** May 31, 2018  
**Account #:** 35231  
**Journal #:** 70886

**Attn:** TANYA FRANCIS

**Re:** Application for Design Registration

The design, as detailed in your, TSSA SR# 2315656, for a Fitting is accepted for registration as follows:

**Registered To:** ENGINEERED CONTROLS INTERNATIONAL LLC  
**CRN:** 0H20347.51

**Drawing #:** MVE5D SER

**Drawing Revision:** C

**Conditions Of Registration:**

Registration of a Vent Assembly as per attached scope of registration sheet.

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

**Reviewer's Notes:**

As required by CSA B51 4.2.1, this registration expires on May 15, 2028. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@technicalsaftybc.ca  
Design Administration

**cc:**





345 Carlingview Drive  
Toronto, Ontario  
CANADA M9W 6N9  
Tel.: 416.734.3300  
Fax.: 416.231.1626  
Toll Free: 1.877.682.8772  
[www.tssa.org](http://www.tssa.org)

September 13, 2018

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

Service Request Type.: BPV-National CSA  
Service Request No.: 2315664  
Your Reference No.:  
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Please find enclosed the original response from QC,SK, registered under the CRN No.:  
CSA-0H20347.56.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.  
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis  
Administrative Assistant\_ BPV Engineering  
Tel. : 416-734-3423  
Fax : 416-231-6183  
Email : [tfrancis@tssa.org](mailto:tfrancis@tssa.org)

REGISTERED



CRN: CSA-OH20347.56

Registration Process administered by  
 CSA Group per CSA B51

## Statutory Declaration Registration of Fittings

### (a) Design Qualification

I, Chad Thomas, V.P of Engineering

(Position eg, president, plant manager, chief eng.)

Of Engineered Controls International, LLC

(name of company)

Located at 100 Rego Drive, Elon, NC -27244 USA

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required:

Or  
 are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with \_\_\_\_\_ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

### (b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ASME B31.3, and has been verified by the following authority or authorized agency UL 9001

The fittings<sup>2</sup> covered by this declaration, for which I seek registration, are Category H

In support of the application, the following information, calculations and/or test data are attached:

See attached list - MVE5D

Declared before me at Alamance County

In the of State of North Carolina

The 2<sup>nd</sup> Day of April AD 192018

Jennifer Versage Watson  
 A (commissioner for oaths)

Chad Thomas  
 Signature of Declarer<sup>3</sup>

Jennifer Versage Watson  
 Notary Public  
 Rockingham County  
 North Carolina  
 My Commission Expires 03/05/2023

#### For Official Use Only

The application is accepted for registration in Category H in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance. MAY. 15. 2028

Registered Number CRN CSA-OH20347.56

For the Chief Inspector

Date



A. BANWATT

June. 13. 2018

- Three completed copied of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.
- All fittings are required to be registered in the name of the Manufacturer.
- This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.



REGISTERED



CRN: CSA-OH20347.56

Registration Process administered by  
CSA Group per CSA B51

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

Signed: ASB Swell

Date: 13 June 2018



# Technical Safety Authority of Saskatchewan

REGISTERED



CRN: CSA - 0H20347.56

Registration Process administered by CSA Group per CSA B51

2202 2nd Ave.  
Regina, SK S4R 1K3  
PH: (306)798-7112 Toll Free: (866)530-8599  
FAX: (306)787-9273 Toll Free: (866)760-9255  
Email: [boilerpermits@tsask.ca](mailto:boilerpermits@tsask.ca)  
Website: [www.tsask.ca](http://www.tsask.ca)

## Statutory Declaration (Registration of Fittings)

TSK-1008

### I. Declaration Information

I, Chad Thomas, V.P of Engineering

(company title, e.g. vice president, plant manager, chief engineer)  
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Engineered Controls International, LLC  
(name of manufacturer)

located at: 100 Rego Drive Elon, NC 27244  
(Plant Address - Apt/Street) (City,Prov) (Postal Code)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- Comply with the requirements of ASME B31.3 which specifies the dimensions, (title of recognized North American Standard) Materials of construction, pressure / temperature ratings and identification marking of the fittings, 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, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, UL 9001 as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Category H

In support of this application, the following information, calculations and / or test data are attached:

See attached list - MVE5D

### II. Declaration

DECLARED before me at Alamance County in the State of North Carolina this 20 day of April 2018

Jennifer Versage Watson  
(Print name)  
Jennifer Versage Watson  
(Signature of Commissioner of Oaths)

Jennifer Versage Watson  
(Signature)  
Jennifer Versage Watson  
Notary Public  
Rockingham County  
North Carolina  
My Commission Expires 03/05/2023

### III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category H

CSA - 0H20347.56  
(Registration Number)

June - 13 - 2018  
(Date Registered - MM DD YYYY)  
(For the Administrator / Chief Inspector)

MAY - 15 - 2028  
(Expiry Date - MM DD YYYY)



A. BANWATT

\*Note: See the attachment for the scope of the registration.



REGISTERED



CRN: CSA-07120347.56

Registration Process administered by  
CSA Group per CSA B51

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

Signed: *AB Sweet*

Date: 13 June 2018



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

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

May 15, 2018

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

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 2044330  
**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.:** 0H20347.5  
**Main Design No.:** Dwg. No. MVE5D SER Rev. A, Vent Assembly  
**Expiry Date:** 15-May-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](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 Specialist BPV  
Tel.: 416-734-3494  
Fax: 416-231-1626  
Email: [mvalcic@tssa.org](mailto:mvalcic@tssa.org)



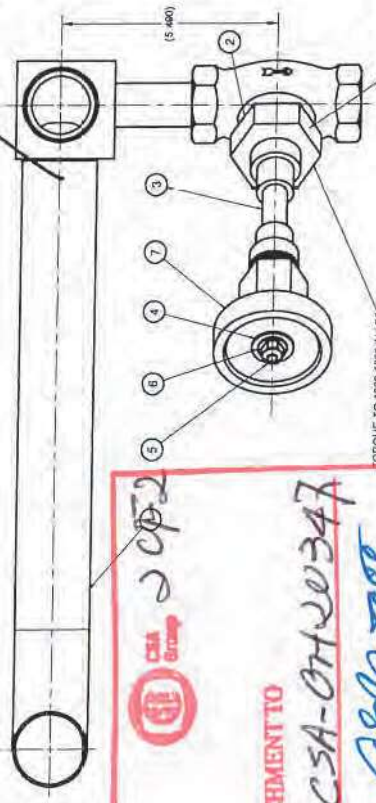
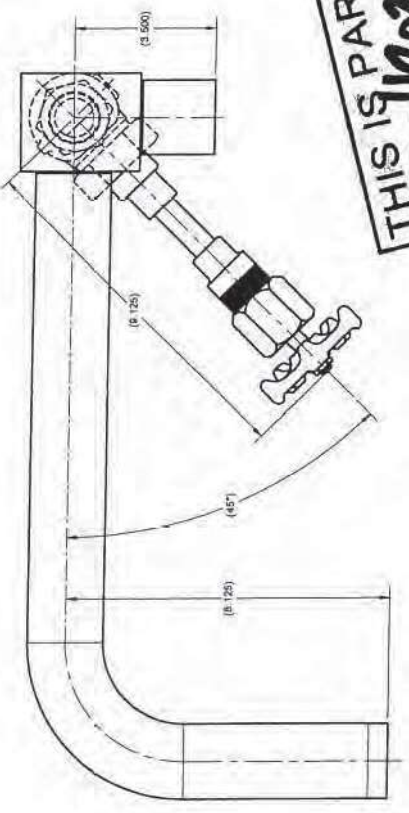
TSSA # 20414330

REV	DATE	DESCRIPTION
A	2012-258	3-22-12

1	ASSEMBLY	BRAZED
	NUMBER	ASSEMBLY
	MVESD	MVESD-2
	MVESD-S	MVESD-2S

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

*Mar 15/10*



- NOTES:**
- CLEAN ALL COMPONENTS PER B-11550-400 FOR OXYGEN SERVICE JUST PRIOR TO ASSEMBLY
  - TEST PER 8405-100.
  - ATTACH TORQUE TAG TO HANDWHEEL/STEM
  - ATTACH PART NUMBER TO CHART TO PROTECT AND SEAL OPENINGS.
  - ATTACH CLIPS TO POLYBAG TO PROTECT AND SEAL OPENINGS.
  - SEAL PRODUCT IN POLYBAG AND INCLUDE OXYGEN CLEAN INFORMATION IN OR ON BAG
  - REFERENCE CHART DRAWING NUMBER B-14121858.

ITEM	QTY	CITY	TITLE	PART NUMBER
1	1		TAG, TORQUE (1100) (NOT SHOWN)	B-9403-90C
2	1		SEAT DISC ASSY (NOT SHOWN)	B-9406-7
3	1		HANDWHEEL (SILVER)	250715C
4	1		WASHER	45002B
5	1		NUT, LOCK	7650A-1355
6	1		TAG, VAPOR VENT HCV-12	11575-597
7	1		KIT, UPPER ASSEMBLY REPAIR (UNTESTED)	B-9406-1
8	1		GASKET	B-9406-1
9	1		BRAZED ASSY	SEE TABLE

ITEM	QTY	CITY	TITLE	PART NUMBER
1	1		T-TICKLE	8-22-12
2	1		N LEE	7-24-12
3	1		K SMITH	7-24-12
4	1		D GENTILE	7-25-12

**CSA Group**  
**ATTACHMENT TO**  
**C.R.N. CSA-0720347**  
 Signed: *288wee*  
 178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

TORQUE TO 1000-1200 N-LBS  
 STAMP DATE CODE (MO, WK, YR) ON BONNET  
 HEX FLAT

CHART

APPROVED/CONTROLLED

ENGINEERED CONTROL INTERNATIONAL, LLC. 178 REXDALE BOULEVARD TORONTO, ONTARIO M9W 1R3 CANADA	VENT ASSY
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345 Carlingview Drive  
Toronto, Ontario  
CANADA M9W 6N9  
Tel.: 416.734.3300  
Fax.: 416.231.1626  
Toll Free: 1.877.682.8772  
[www.tssa.org](http://www.tssa.org)

October 03, 2018

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

Service Request Type.: BPV-National MB  
Service Request No.: 2315672  
Your Reference No.:  
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Please find enclosed the original response from MB, registered under the CRN No.: 0H20347.54.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.  
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis  
Administrative Assistant\_ BPV Engineering  
Tel. : 416-734-3423  
Fax : 416-231-6183  
Email : [tfrancis@tssa.org](mailto:tfrancis@tssa.org)



**Inspection and Technical Services Manitoba**

508 - 401 York Avenue

Winnipeg Manitoba R3C 0P8

T (204) 945-3373

F (204) 948-2309

[www.firecomm.gov.mb.ca/codes\\_steam\\_pressure.html](http://www.firecomm.gov.mb.ca/codes_steam_pressure.html)

September 7, 2018

TSSA

345 Carlingview Drive

Toronto, ON

M9W 6N9

Attn: Joanna Karpinski

**REGISTRATION OF VALVES AND FITTINGS**

**Manufacturer:** ENGINEERED CONTROLS INTERNATIONAL LLC

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

<b>DRAWING / CATALOGUE</b>	<b>CRN</b>	<b>FILE</b>
Vent Assembly DWG: MVE5D SER REV.A	0H20347.54	39012

**An invoice covering survey and registration fees is enclosed.**

**NOTES:**

- 1. CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA. This registration expires **May 15, 2028**.*

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Regards,

  
**Ryan Orlesky, C.E.T.**

*Design Surveyor*

Office of the Fire Commissioner

Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-3373

Email: [ryan.orlesky@gov.mb.ca](mailto:ryan.orlesky@gov.mb.ca)



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



## 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 336-449-7707  
(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 B31.3  
(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 - MVE5D

(drawings, calculations, test reports, etc.)

Declared before me at Atamance County in the State of North Carolina  
 the 20 day of April AD 2018

Jennifer Versage Watson  
 Notary Public  
 Rockingham County  
 North Carolina  
 My Commission Expires 03/05/2023

Commissioner for Oaths:  
Jennifer Versage Watson  
(Printed name)  
Jennifer Versage Watson  
(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: OH20347.54  
 Registered by: RYAN ORLESKY  
 Dated: SEPT 7, 2018



NOTE: This registration expires on: MAY 15, 2028



Cecilia Gerbecz, a Commissioner, etc  
City of Toronto, for the Technical  
Standards & Safety Authority  
Expires June 17 2020