

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

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. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

/1/

Mark Valcic P. Eng. Engineer Specialist BPV

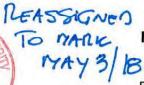
Tel.: 416-734-3494 Fax: 416-231-1626 Email: mvalcic@tssa.org



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



National Design Registration Application for a CRN

Technical Standards and Safety Act Boilers and Pressure Vessels Regulation

Pressure Vessel		l Service:			sting CRN:pplicable)
Section A: Submitter (L			Section B: Inve		Same as: A C D
		RNATIONAL, LLC.		J.	
Address: 100 REGO DRIV		NC	Address:		
City/Town: ELON	Province/S	1 COL 4	City/Town:	_	Province/State:
Postal/Zip Code: 27244	Country: U	ISA	Postal/Zip Code);	Country:
Telephone: 336-446-7707			Telephone:		
Contact Name: CHAD TH		-	Contact Name:		
E-mail: cthomas@regopro	oducts.com		E-mail:		
Job No./Reference:	NVESD SE	-72	Purchase Order	No.:	
Account/Customer Number: Section C: Owner of Des Company Name:	sign/ CRN Same as :[☑A □B□D	Account/Custome Section D: Manu Company Name:	ufacturer	Same as: ☑A☐B☐C
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City/Town:	Province/S	State:	City/Town:		Province/State:
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Telephone:			Telephone:		
Contact Name:			Contact Name:		
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Kindly select the province For renewals or additions to regist registering province first, then province first then province f	trations where registration	was obtained outsid I registration with TS New B	SSA. If you proceed wit	h national registrat Newf Yuko	west Territories
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Technical Standards and Safety Author	345 Carlingview Drive Foronto, Ontario M9W 6N9	416.231.6183	Customer Service: 1.877.682.87769	www.tssa.org
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National Design Registration Application for a CRN Technical Standards and Safety Act Boilers and Pressure Vessels Regulation

	INTAKE GROUP
Date:	244330 (0
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	AMD BUTTER SECOND	100	IN LANE GROUP
Expedited	Expedited Service (please attached request form	request form)	Date: ALLYSO (
n: 🗌 Boiler (if applicable)	☐ Pressure Vessel	Fitting	Agent 244338

Please indicate the type of design:

Boiler

Date of Application (mm/dd/yyyy):

12/16/2016

(if applicable)

Existing CRN:

Address: Address: City/Town: Enmail: Postal/Zip Code: Country: Usy Telephone: 38.449-7707 Fax: Telephone: 38.449-7707 Fax: Telephone: 38.449-7707 Fax: Contact Name: Country: Use E-mail: chountry: Telephone: Femail: chountry: Fax: Drawing/Catalog No: Femail: Purchase Order No: Acct/Cust No: Province/State: Purchase Order No: Acct/Cust No: Acct/Cust No: Acct/Cust No: Address: Acct/Cust No: Acct/Cust No: Acct/Cust No: Acct/Cust No: Acct/Cust No:	Address: 100 REGO DRIVE
Province/State: NC	
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CRN Same as: ABB D Section D: Manufacturer (if more then one please attach list) Company Name: Country: Country: Fax: Contact Name: Contact Name: Fax: Contact Name: E-mail: Contact No:: C	E-mail: cthomas@regoproducts.com
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Amount \$	Deposit included: CDN \$600.00 - Ontario
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(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.)	(Deposit to be applied to the incurred fees when
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Signed: Date:

CRN Issued:

Reviewing Engineer:

Date (mm/dd/yyyy): 12/16/2016

Courier name: Account No.:



Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



STATUTORY DECLARATION Registration of Fittings 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 (Telephone No.) (Fax No.) (Plant Address) 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 - MVES D (drawings, calculations, test reports, etc.) of NiAhawalina MamanceCount State Declared before me at in the Jennifer Versage Watson Notary Public Rockingham County North Carolina Commissioner for Oaths: My Commission Expires 03/05/2023 (Signature of Declarer) FOR OFFICE USE ONLY Technical Boilers and To the best of my knowledge and belief, the application meets the requirements of the Standards ressure Vessels and Safety Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and Authority CSA Standard B51 and is acce CRN: Registered by: Dated: NOTE: This registration expires on:



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







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





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

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. 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

9410 - 20 Ave N.W.

Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

July 20, 2018

Attention: Joanna Karpinski

Email: JKarpinski@tssa.org

TECHNICAL STANDARDS & SAFETY AUTHORITY

345 CARLINGVIEW DRIVE TORONTO, ON M9W 6N9

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	In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.
of	(name of applicant) Engineered Controls Inter	(position title) (must be in a position of authority) rnational, LLC.	DEGO®
loca		name of manufacturer) on - 27244, NC, USA	
	solemnly declare that the fittings leck one)	(plant address) isted hereunder, which are subject to the Safety	Codes Act
	comply with the requirements	of ASME B31.3 which s	specifies the dimensions,
	materials of construction, pre	ssure/temperature ratings and identification man	king of the fittings, or
	are not covered by the provisi	ons of a recognized North American standard an	d are therefore manufactured
	to comply with	as	s supported by the attached
		de of construction or other applicable document)	
	data which identifies the dime	nsions, materials of construction, pressure/temper	erature ratings and the basis
	for such ratings, and the mark	ring of the fittings for identification.	
		of these fittings is controlled by a quality control	
verif	ied by the following authority,	as being suitable	e for the manufacture of these
1625	gs to the stated standard. The fit $tegory\ oldsymbol{\mathcal{H}}$	ttings covered by this declaration, for which I see	k registration, are
	upport of this application, the follo	(brief description of fittings) wing information, calculations and/or test data ar	e attached:
DEC	CLARED before me at Elon (city) day of Ay Tennifor Volume (Color)	(Month) , DUS	DAIN CONTROL WALSON DISTINCT OF THE PUBLIC OCKINGHAM County North Carolina mission Expires 03/05/2023
(sign	(a Commissioner of Oaths or Nota	CHEN Chel	Vonus
For A	ABSA Office Use Only:		
NOT	ES:		
Stan Regi			ne Administrator/SCO)
Date	riogistorou.	Expiry Date. Will	-05-15

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.



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

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. 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

NUNAVUT YUKON NO	INCE EDWARD ISLAND PRTHWEST TERRUTORIES	NEWFOUNDLAND AND LABRADO
MANUFACTURERS NAME: Engineered Com	trole Internation	
MANUFACTURERS ADDRESS: 100 Page Decision		A STATE OF THE STA
PLANT LOCATIONS: C-Gran	Floor, NC-272	44
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCL	E ONE CATEGORY ONLY	TITLE OF THE SYANDARD OF CONSTRUCT
A Pipe (titings: including couplings, test, elbows, Ys, plugs, unions, p B Flanges: all flanges C Valves: all fine valves D Expansion joints, flaxible connections, and hose assemblies: all ty E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight: pressure transmitters G Certified capacity-rated pressure relief devices acceptable as prima boilers, pressure vessels, plping and fusible plugs F Pressure retaining components that do not fall into one of the above N Nuclear components: Class 1 D Class 2 D Class 3 D, (Meeting	pos glasses, tovels, or any over pressure protection on a categories	Asme BBI-3
HOW MANUFACTURERS NAME TRADEMARK OR LOGO AS IT	AECD OF ASME requirements)	-
REGO®	THE COUNTY OF THE PROPERTY OF	FORGED WILDER O WROUGHT O CAST #9 OTHER
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CLARATION: Chad Thomas (a new s) employed by ponsibility for the quality of the end product do solemnly declar knowledge represents the product for which registration is sour appraisure retings, and identification markings are in accordance invitacture of these fittings is regulated by a Quality Control Product and has been verified by a quality Control Production conscientiously believing it to be true, and knowing the nature of Declarer (a new form of Dec	re that the information contains. The dimensions, material with the herein named star gram which extends to each as boing suitable for all it is of the same force and	ned in this form is true and to the best hals of construction, pressure idered. I further declare that the plant where fabrication occurs in whole that purpose and I make this solarm effect as if made under oath.
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW	BRUN	SWI	CK
MINA	MART		

NOVA SCOTIA YUKON PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Engineered Controls Interne	Franci III
MANUFACTURERS ADDRESS: 100 Rego Dative Clom NG- 2	7211
PLANT LOCATIONS: Com	1244
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTIO
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all fine valves C Valves: all line valves D Expansion joints, flatible 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 protectio boliers, pressure vessels, piping and fusible plugs H Pressure rataining components that do not fall into one of the above categories N Nuclear components: Class 1 □ Class 2 □ Class 3 □, (Meeting AECB or ASME requirem	
HOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE P	
REGO®	FORGED-ES WELDED O WROUGHT O CAST - ES OTHER O DESCRIBE OTHER
JIST OF BUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS	TO BE REGISTERED:
ponsibility for the quality of the end product do solemnly declare that the information knowledge represents the product for which registration is sought. The dimensions, sperature ratings, and identification markings are in accordance with the herein name nufacture of these fittings is regulated by a Quality Control Program which extends to	materials of construction, pressure d standards. I further declare that the each plant where fabrication occurs in whole ale for that purpose and I make this salarme
nature of Declarer	
tared before me at Alarung Orung, NIATON INW SET	HIS SPACE FOR THE
	Notary Public Rockingham County
This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the	My Commission Expires 03/05/202 e date of Boceptance.
N: 0H20347.5	PRESSURE VE
Date Date Date C.R.N. O Each category shall be registered in the name of the Manufacturer. Dwo. 45	June 9/18 H20347.58 described
ms and one copy of supporting documentation. The declaration shall be made by the person having full authority and ponsibility for the quality of the end product. Quality control programs shall be resubmitted for validation a maximum interval of five (5) years.	1 of 1 Part 1015

ATTOOS AVON

NEM BEINNEMICK

PRINCE EDWARD ISLAND

RODARBAL GNA GNAJGNUORWEN

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS **NEW BRUNSWICK NOVA SCOTIA** PRINCE EDWARD ISLAND NEWFOUNDLAND AND LABRADOR NUNAVUT YUKON NORTHWEST TERRITORIES MANUFACTURERS NAME: Engineered Controls International, LLC MANUFACTURERS ADDRESS PLANT LOCATIONS: (36m CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY ITTLE OF THE STANDARD OF CONSTRUCTION A Pipe fittings, including couplings, tees, allows, 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 Asme BB1.3 F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure trensmitters G Cartified capacity-rated pressure railef devices ecceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs If 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-ES WELDED () WROUGHT () CAST (2) OTHER () DESCRIBE OTHER: LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: MVC50

DECLARATION:	
1_Chad Thomas employed by _ ECI and	being the person having full authority and
responsibility for the quality of the end product do solernnly declare that the information conta	ined in this form is two and to the heet of
my knowledge represents the product for which registration is sought. The dimensions, mate	rials of construction preserve
temperature ratings, and identification markings are in accordance with the herein named sta	ndards 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	that purpose and I make this solome
declaration conscientiously believing it to be true, and knowing that it is of the same force and	effect as if made under gath
Signature of Declarer	
Declared before me at Marrance Orunty Night Only Indus E THI	
Considering at 1-1041 Of Constant of Const	S SPACE FOR THE
This 20 day of April AD 2018 OF	Jennifer Versage Walson
Commissioner of Oaths 11111111MN ANT VI-4M 0)	Notary Public
or Notary Public: (sign)	Notally Fubility
(Affic Official sea(so the right)	Rockingham County
The state of the s	North Carolina
This space for Regulatory Authority use	My Commission Expires 03/05/2023
This registration must be revelidated after ten (10) years from the dat	e of Scoeptance.
CPN: 0H20347.5	
CRN: UN2U347.3	

Lehredor

Service NL Registered_OH20347.50 Date 14 JUNE 2010

Engineering and Inspection Services

UNDER THE AUTHORITY OF THE

PUBLIC SAFETY ACT AND

THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS

Registered by Strig

CRN:

FID#:

1704

1. All fittings shall be registered in the name of the Manufacturer.

4. Quality control programs shall be resubmitted for validation

forms and one copy of supporting documentation.

responsibility for the quality of the end product.

at a maximum interval of five (5) years.

2. Each calegory shall be supported with two Statutory Declaration

3. The declaration shall be made by the person having full authority and

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Gnaineere	d Controls Internation	
MANUFACTURERS ADDRES	SS: 100 Repo 1	Derive, Flom, NC-272	1. L.
PLANT LOCATIONS:	lon	ZIAN, FICH, NIC-274	44
CATEGORY OF FO	TINGS TO BE REGISTER	ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
B Flanges: all flanges C Valves: all fire valves D Expansion joints, flexible or E Strainers, filters, separators F Measuring devices, includin pressure transmitters G Certified capacity-rated pre- boilers, pressure vessels, p M Pressure retaining compone	onnections, and hose assert, and steam traps g pressure gauges, level gassure relief devices accepte iping and fusible plugs ants that do not fall into one	auges, sight glasses, levels, or ble as primary over pressure protection on	Asme 881: 3
HOW MANUFACTUREDS US	ME TRADEMARY OF L	J. (Meeting AECS or ASME requirements) DGO AS IT WILL APPEAR ON THE PRODU	
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LIST OF SUPPORTING DOCU	MENTATION AND IDENTIL	FICATION OF THE ACTUAL ITEMS TO BE	DECISTEDES.
nperature ratings, and identification of Declarer	the end product do sole! product for which registratification markings are in regulated by a Quality (d by_leving it to be true, and leving it to be true, and leving it to be true.	mnly declare that the information conta ation is sought. The dimensions, mate accordance with the herein named star Control Program which extends to each	ndards. I further declare that the plant where fabrication occurs in whole that purpose and I make this solemn effect as if made under oath.
s 20 deroi A	Pril AD &	2018 \ OFE	
mmissioner of Oaths Notary Public: (sign)	Mix Official sea (16 the right	the the	Notary Public Rockingham County North Carolina
This re		pace for Regulatory Authority use dated after ten (10) years from the date	My Commission Expires 03/05/2023
0420277 5			of acceptance.
1704			
ites: All fittings shall be registered in Each category shall be support ms and one copy of supporting	ed with two Statutory Decia documentation.	ration	
The declaration shall be made ponsibility for the quality of the Quality control programs shall to a maximum interval of five (5) you	end product. se resubmitted for validation		

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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADO
MANUFACTURERS NAME	Gnalman	1 Carlate Fre	
MANUFACTURERS ADDRE	SS: IDO P. S.	Controls Internation	al, bla
PLANT LOCATIONS:	lon	2911 re, Floor, MC- 27214	4
CATEGORY OF F	TINGS TO BE REGISTERS	D. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUC
C Valves: all fine valves D Expansion joints, flexible of E Strainers, filters, separator F Measuring devices, includi pressure transmitters C Certified capacity-rated pri botters, pressure vessels, F Pressure retaining compon	connections, and hose assembles, and steam traps on pressure gauges, level gaussium relief devices accoptable pliping and fusible plugs ents that do not fall into one of	oges, sight glasses, levels, or ole as primary over pressure protection on of the above categories	Asme BBI-3
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REGO	®	SO AS IT WILL APPEAR ON THE PRODUC	TYPE OF CONSTRUCTION FORGED-B WELDED D WROUGHT D CAST & OTHER DESCRIBE OTHER
ponsibility for the quality of knowledge represents the sperature ratings, and iden- nufacture of these fittings is no part and has been verified	iffication markings are in as a regulated by a Quality Co d by jieving it to be true, and kn	inly declare that the information contained ion is sought. The dimensions, materials econdance with the herein named standa ontrol Program which extends to each place as being suitable for the nowing that it is of the same force and effective in the same	s of construction, pressure rds. I further declare that the int where fabrication occurs in whole it purpose and I make this solemn ect as if made under oath. SPACE FOR THE Jennifer Versage Watson Notary Public
PPO	Affix Official sea (to the right)	170	Rockingham County
This re	This spa	ce for Regulatory Authority use ated after ten 10 misers from the date of	ly Commission Expires 03 05/20
01120217 5		and date of	
"		150000	Boilers and
#: 1704		Nunavut	Pressure Vessels Act
each category shall be support as and one copy of supporting	by the person having full authorized product.	ton CRN OH 203 Ority and Date June C	STERED 47. SN 8. POB Inspector
			egistration Fee



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

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.

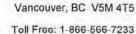
Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number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

Yours truly,

Joanna Karpinski

Tel: 416-734-3377 Fax: 416-231-6183

Email: jkarpinski@tssa.org



www.technicalsafetybc.ca



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:

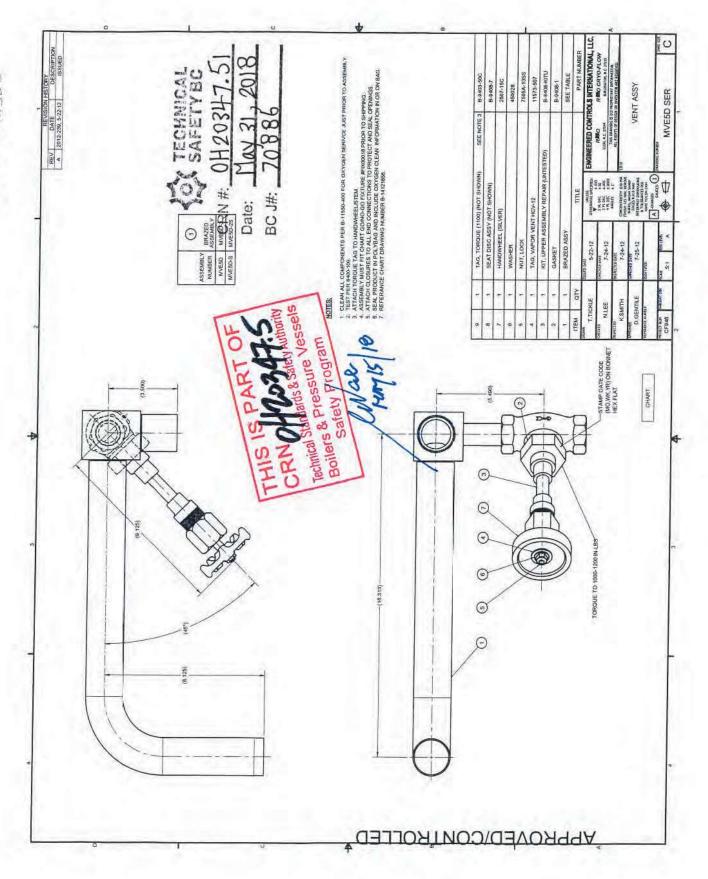
As required by CSA B51 4.2.1, this registration expires on May 15, 2028. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program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

September13, 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.

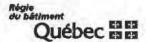
As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

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. 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





CRN: CSA-OH20347.56

Statutory Declaration Registration of Fittings

(a)	Design Qualification	Registration Process administered by CSA Group per CSA B51
l ₁	Chad Thomas, V.P of Engineering	
_	(Position eg, president, plant manager,	chief eng)
0.	Engineered Controls International, LL	A WEST STORY
Of _	(name of company)	
Loca	ated at 100 Rego Drive, Elon, NC -27244	USA
	(plant address)	
do s	olemnly declare that the fittings listed hereunder, which are subject to the Boi	ilers & Pressure Vessels Act:
⊠ Or	comply with all the requirements of the ANSI/ASME codes as to their dime required:	ensions, material, identification & service for which are
	are not covered by the provisions of the ANSI/ASME codes, and are there code and standard, and are designed to the best currendata.	
	SME B31.3, and has been verified by the following authority or authori	tegory H
	pport of the application, the following information, calculations and/or test data see attached list - M\subseteq 50	a are attached:
In the	State NIMA NUMBER	Jennifer Versage Watson Notary Public Rockingham County North Carolina My Commission Expires 03/05/20
7	For Official Use Only	Signature of Declarer ³
The	e application is accepted for registration in Category H in accord A Standard B51.	dance with the Boilers and Pressure Vessels Act and
Thi	s registration must be revalidated after ten (19) years from the date of accepta	ance. MAY, 15.2028
Reg	gistered Number CRN CSA-0H2O347.56 For the O	GROUP June . 13 - 2018

2 All fittings are required to be registered in the name of the Manufacturer.

¹ Three completed copied of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.

³ This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.

CSA Group

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: asswell

Date: 13 June 218

Technical

CRN: CSA - 0 H 20 3 47.56

2202 2nd Ave. Regina, SK S4R 1K3

Safety Authority tion Process administered (306)798-7112 Toll Free: (866)530-8599
of Saskatche Wanfroup per CSA B51

Regina, Sk S4R 1K3
PH; (306)798-7112 Toll Free: (866)530-8599
Email: boilerpermits@tsask.ca
Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

_					TSK-10
Declara	tion Information				
Chad Th	omas, V.P of Engineering			In this space, sh manufacturer's le appear on the fit	ogo or trademark as it w
	(company title, e.g. vice preside e in a position of authority in the ma	nufacturing plant where the f		REGI	∂®
Engineer	ed Controls International, LLC				
		of manufacturer)		1	
ated at:	100 Rego Drive		Elon, NC	97700	244 stal Code)
	(Plant Address – Apt/Street) declare that the fittings liste ty Act (check one)	ed hereinunder, which	(City,Prov) are subject to the	the control of the control of the National Control of the Control	
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) Are no	ot covered by the provisions			d and are therefore	manufactured
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Declara CLARED Continuance Clare Cla	e following authority, UL 9 gs to the stated standard. this application, the following ed list - MVE5D tion before me at AllMWN day of April WWW. WYC. WATAN commissioner of Oaths) Jse Only my knowledge and belief, the asset 4.2, and is accepted for regon and the commissioner of Oaths.	The fittings covered by any information, calculation meets the recipistration in Category	asy this declaration, for this declaration, for the state of the state	of NyMA of NyMA Rock No My Commiss er and Pressure Vest	Tersage Watson otary Public ingham County orth Carolina Ion Expires 03/05/1

CSA Group

CRN: CSA- OH 20347. +6

Registration Process administered by CSA Group per CSA B51

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

Signed: __

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

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. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

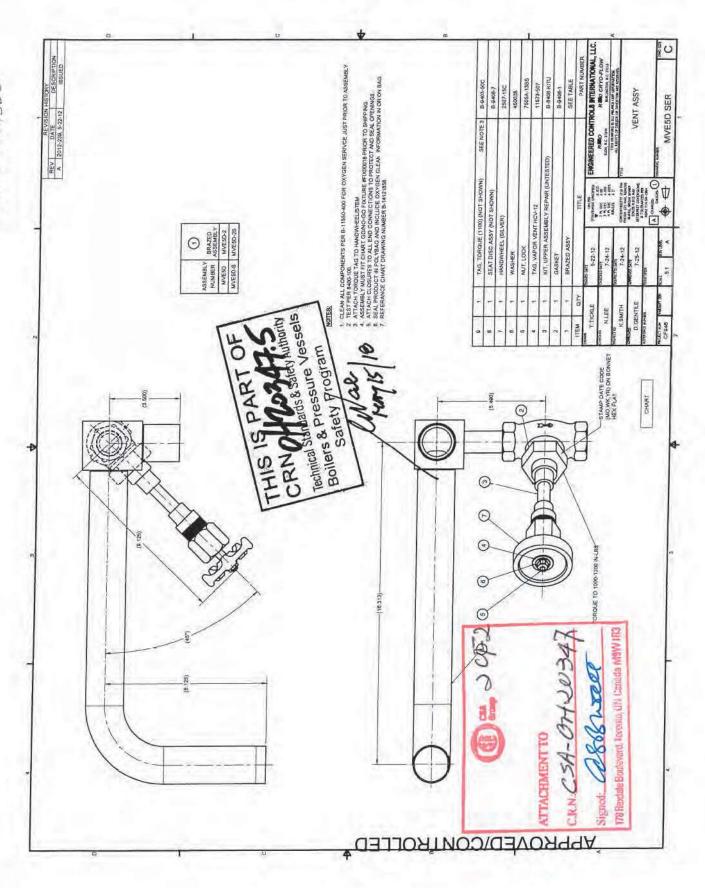
Yours truly,

Mark Valcic P. Eng. Engineer Specialist BPV

Tel.: 416-734-3494 Fax: 416-231-1626 Email: <u>mvalcic@tssa.org</u> ATTACHMENT TO

C.R.N. C.S.A. - 07+ \(\) 0 347. 5 (

Signed. \(\) 08/8 \(\) \(\) Signed M9W IR3





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

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. 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



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

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.

DRAWING / CATALOGUE	CRN	FILE
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



Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below



STATUTORY DECLARATION Registration of Fittings 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 B31.7** (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 - MVESD (drawings, calculations, test reports, etc.) of NiAhaustine AlamanceCount Otate Declared before me at in the Jennifer Versage Watson Notary Public Rockingham County North Carolina Commissioner for Oaths: My Commission Expires 03/05/2023 (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 CRN: Registered by: Dated: NOTE: This registration expires on:

