

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 16, 2018

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

Service Request Type: BPV-Fitting Registration

Service Request No.: 2044382

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.: 0H20351.5

Main Design No.: Dwg. No. MVE13C Rev. E, Manifold Vent Circuit, HL

Expiry Date: 16-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: 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

TO MANK National Design Registration

May 3 | General Standards and Safety Act

Boilers and Pressure Vessels Regulation

Date of Application (mm	/dd/yyyy): Expedited	Service (Ontari	Only)	Service Request Number: (For o	ffice use only
3/30/2018			No	P. A 428	317
3/30/2010				NAT 201 426	2
ease indicate the type	of design for Nation	nal Service:		Existing CRN:	10
Pressure Vessel	Boiler ✓ Fitting	9		(if applicable)	
Section A: Submitter	(Legal Company Na	ame)	Section B: In	voicee Same as:	ACC
Company Name: ENGIN	NEERED CONTROLS INT	ERNATIONAL, LLC.	Company Nar	me:	
ddress:100 REGO DR	RIVE		Address:		
ity/Town: ELON	Province	e/State:NC	City/Town:	Province/Sta	te:
ostal/Zip Code: 27244	Country		Postal/Zip Co	de: Country:	300
elephone: 336-446-77	'07	,	Telephone:		
ontact Name: CHAD T		ANI PERI	Contact Name	o:	
-mail: cthomas@regor	products.com	peri e	E-mail:		4
ob No./Reference:	111/-1-0		Purchase Ord	er No.:	100
Drawing/Catalog No.:	MVE13C R	ev. E	مر	11	
Account/Customer Number	er:		Account/Custon	mer Number	
Section C: Owner of D	Design/ CRN Same as	:@A B D	Section D: Ma	nu <mark>facturer Sa</mark> me as: ☑A	□в□с
Company Name:			Company Nam	e:	
ddress:			Address:		
ity/Town:	Province	/State:	City/Town:	Province/State	te:
ostal/Zip Code:	Country:		Postal/Zip Cod	le: Country:	
elephone:			Telephone:		
ontact Name:			Contact Name		
-mail:		*	E-mail:		
cct/Cust No.:			Acct/Cust No.:		
	gistrations where registration	on was obtained outsion nal registration with T		order to keep that registration number, please with national registration at TSSA first, we will r	eed to issue a r
British Columbia	Manitoba	Nova S	Scotia	✓ Yukon	
✓ Alberta	☑ Quebec	✓ Prince	Edward Island	Northwest Territories Nunavat	
REGISTRATION NUM	MBER: (For Office U	for Pick up at He	ad Office	Optional Courier Collect: (Completed ON Reg.Only) DHL FEDEX PUROLATO	R 🗆 UPS

Technical Standards and Safety Authority

Technical Standards and Safety Authority

Technical Standards and Safety Authority

Toronto, Ontario Maywe 6N9

Fac. 416.231, 6183

Customer Service: 1.877,682.8772

MAR 15 2017

Bibliers and Pressure Vessels Regulation

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	tion (mm/dd/yyyy):	

	Date of Application (mm/dd/yyyy): 12/16/2016 Diase Indicate the tyne of decime Roller	Expedited	Expedited Service (please atlacted requestion):	JAEQUES Colom)	SR# 20143
	Existing CRN:	(if applicable)			Agent ATT
	Section A: Submitter Company Name: ENGINEERED CONTROLS INTERNATIONAL, LLC.	NATIONAL, LLC.	Secti	Section B: Invoicee Company Name:	Same as: 🗸 A
	Address: 100 REGO DRIVE		Address:	iss:	
L. A. A.	City/Town: ELON	Province/State: NC	e: NC City/Town:	own:	Province/State:
HEIS TELLIAN	Postal/Zip Code: 27244	Country: USA		Postal/Zip Code:	Country:
-	Telephone: 336-449-7707	Fax:	Telepi	Telephone:	Fax:
Hora an a legoproducts	Contact Name: CHAD THOMAS		Conta	Contact Name:	
_	E-mail: cthomas@regoproducts.com	E	E-mail:	-	

Company Name: ENGINEERED CONTROLS INTERNATIONAL, LLC.	ATIONAL, 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: 336-449-7707	Fax:	Telephone:	Fax:
Contact Name: CHAD THOMAS		Contact Name:	
E-mail: cthomas@regoproducts.com		E-mail:	
Job No./Reference:		Purchase Order No.:	
Drawing/Catalog No.:			
		1	
Acct/Cust No.: A YOU	87 (913515	Acct/Cust No.:	
Section C: Owner of Design/CRN Sameas: ☑A□B [/CRN Same as: ☑A□B□D	Section D: Manufacturer (If more then one please attach list)	Same as: 🗸 A 🔲 B 🔲 C
Company Name:		Company Name:	
Address:		Address:	
City/Town:	Province/State:	City/Town:	Province/State:
Postal/Zip Code:	Country:	Postal/Zip Code:	Country:
Telephone:	Fax:	Telephone:	Fax:
Contact Name:		Contact Name:	
E-mail:		E-mail:	
Acct/Cust No.:		Acct/Cust No.:	
Registration required in the following jurisdictions:	owing jurisdictions:		
✓ Ontario✓ British Columbia✓ Alberta	✓ Saskatchewan ✓ ✓ Manitoba ✓ ✓	New Brunswick Nova Scotia Prince Edward Island	Newfoundland and Labrador Yukon Northwest Territories Nunavut
Deposit included: CDN \$600.00 - Ontario and up to 2 additional provinces	00 - Ontario and up to 2 additional pro		CDN \$1,200.00 - Ontario and 3 or more additional provinces
Cheque No.	e No.	Amount \$	
(Deposit to be applied to the incurred	d fees when all jurisdictions are comp	lete - any charges over and above	(Deposit to be applied to the incurred fees when all jurisdictions are complete – any charges over and above deposit amount will be involced at that time.)
Return mail address:	B C Optional: C	Optional: Courier Collect Courier name:	

TON HEGHAN

336-449-7272

PV 09557 (06/16)

Signed:

CRN Issued:

Reviewing Engineer:

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

Courier name: Account No.:

Manifold 9464-1 Brass Forging, UNS C37700, ASTM B283 9464-7 9464-7 Stainless Steel Pipe, ASTM A249, TP304L MVE13C-3 MVE13C-3 FC Brass, UNS C36000, ASTM B16 MVE13C-5 MVE13C-6 Stainless Steel Pipe, ASTM A249, TP304L MVE13C-4 MVE13C-6 Stainless Steel Pipe, ASTM A249, TP304L MVE13C-7 MVE13C-7 Stainless Steel Pipe, ASTM A312, TP304L	Category	System Number	Description	Drawing Number	Body Number	Body Material	Service
9464-7 Stainless Steel Pipe, ASTM A249, TP304L MVE13C-3 FC Brass, UNS C36000, ASTM B16 MVE13C-5 FC Brass, UNS C36000, ASTM B16 MVE13C-6 Stainless Steel Pipe, ASTM A249, TP304L MVE13C-4 FC Brass, UNS C36000, ASTM B16 MVE13C-7 Stainless Steel Pipe, ASTM A312, TP304L	н	MVE13C	Manifold	9464-1	9464-1	Brass Forging, UNS C37700, ASTM B283	600
MVE13C-3 FC Brass, UNS C36000, ASTM B16 MVE13C-5 FC Brass, UNS C36000, ASTM B16 MVE13C-6 Stainless Steel Pipe, ASTM A249, TP304L MVE13C-4 FC Brass, UNS C36000, ASTM B16 MVE13C-7 Stainless Steel Pipe, ASTM A312, TP304L				9464-7	9464-7	Stainless Steel Pipe, ASTM A249, TP3041	900
MVE13C-5 FC Brass, UNS C36000, ASTM B16 MVE13C-6 Stainless Steel Pipe, ASTM A249, TP304L MVE13C-4 FC Brass, UNS C36000, ASTM B16 MVE13C-7 Stainless Steel Pipe, ASTM A312, TP304L				MVE13C-3	MVE13C-3	FC Brass, UNS C36000, ASTM B16	900
MVE13C-6 Stainless Steel Pipe, ASTM A249, TP304L MVE13C-4 FC Brass, UNS C36000, ASTM B16 MVE13C-7 Stainless Steel Pipe, ASTM A312, TP304L				MVE13C-5	MVE13C-5	FC Brass, UNS C36000, ASTM B16	900
MVE13C-4 FC Brass, UNS C36000, ASTM B16 MVE13C-7 Stainless Steel Pipe, ASTM A312, TP304L				MVE13C-6	MVE13C-6	Stainless Steel Pipe, ASTM A249, TP3041	900
MVE13C-7 Stainless Steel Pipe, ASTM A312, TP304L				MVE13C-4	MVE13C-4	FC Brass, UNS C36000, ASTM B16	009
				MVE13C-7	MVE13C-7	Stainless Steel Pipe, ASTM A312, TP304L	900



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

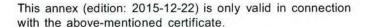
Engineered Controls International, LLC

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





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 16, 2018

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

Service Request Type.: BPV-National AB

Service Request No.: 2316352

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.: 0H20351.52.

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

August 06, 2018

Attention: Joanna Karpinski

Email: JKarpinski@tssa.org

TECHNICAL STANDARDS & SAFETY AUTHORITY

345 CARLINGVIEW DRIVE TORONTO, ON M9W 6N9

The design submission, tracking number 2018-03514, originally received on May 31, 2018 was surveyed and accepted for registration as follows:

CRN:

0H20351.52

Accepted on: August 06, 2018

Reg Type:

NEW DESIGN

Expiry Date: May 16, 2028

Drawing No.: MVE13C Rev 15 Fitting type: ASSEMBLY

Design registered in the name of : ENGINEERED CONTROLS INTERNATIONAL LLC

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.

Brazing shall be in compliance with code of construction.

Material used shall be suitable for intended temperature.

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

1,	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		DEGO®
loca	the state of the s	name of manufacturer) on - 27244, NC, USA	
	solemnly declare that the fittings I	(plant address) isted hereunder, which are subject to the Safet	y Codes Act
×	comply with the requirements	of ASME B31.3 which	specifies the dimensions,
	materials of construction pre	essure/temperature ratings and identification ma	arking of the fittings or
	0.31.25.41.30.6	ions of a recognized North American standard a	
	to comply with	de of construction or other applicable document)	as supported by the attached
		ensions, materials of construction, pressure/tem	nerature ratings and the basis
			perature runnings and the basic
		king of the fittings for identification.	and the second second
		of these fittings is controlled by a quality control	
veri	fied by the following authority,	SO 9001 / UL.INC as being suital	ble for the manufacture of these
fittin	gs to the stated standard. The fit	ttings covered by this declaration, for which I se	ek registration, are
Ca	tegory H		
Se	ee attached list - MVE 13 C		Is A. C. S.
DEC	CLARED before me at (city		(province or state)
this (prin	day of f	Watsun ary Public) Watsun Any Public) Watsun Any Public Watsun Any Public Watsun Any Public Watsun Any Public Watsun	Jennifer Versage Watson Notary Public Rockingham County North Carolina omnission Expires 03/05/2023
For	ABSA Office Use Only:		
NOT	ES:		
Stan Regi	ne best of my knowledge and belindard B51, Clause 4.2, and is accommodated Number: 0 H 2 0 3 Registered: 2018-08-0	51.52 (Signature of	f the Administrator/SCO) 8-05-16

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.: 2316376

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.: 0H20351.59870YTN.

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

CATEGORY OF I A Pipe fittings, including co B Flanges: all flanges C Valves: all line valvas	ESS: 100, Rego De	ntrols International LLC. Time. Plan Nr- 27241 D. GIRGLE ONE CATEGORY ONLY B. Uniona, pipe cape, or reducere	
PLANT LOCATIONS: CATEGORY OF A Pipe fittings, including co B Flanges: all flanges C Valves: all line valvas	ess: 100, Rego De Floro : Titings to be registeri	D. GIRGLE ONE CATEGORY ONLY	
CATEGORY OF A Pipe fittings, including co B Flanges: all flanges C Valves: all line valvas	ettings to be registere	D. GIRGLE ONE CATEGORY ONLY	TO COETHIC HANDARD OF CONSTRUCT
A Pipe fittings, including co B Flanges: all flanges C Valves: all line valvas			TITLE OF THE STANDARD OF CONSTRUCT
El Fishges: all flanges C Valves: all line valvas	uplings, tees, elbows, Ya, plug	s, unions, pipe caps, or reducers	
E Strainers, filters, separate F Measuring devices, include pressure transmitters 3 Certified capacity-rated pr bollers, pressure vessels, Pressure retaining compo	ling pressure gauges, level gai essure relief devices acceptat piping and fusible plugs nents that do not fall into one o	uges, alght glessos, lovola, or ole as primary over pressure protection on of the above categories	A\$m€ 831·3
Nuclear components: Cla	as 1 D Class 2 D Class 3 D	, (Meeting AECB or ASME requirements)	
REGO	0	go as it will appear on the produc	PORGED CONTROLLED D WINDHOLD D CAST D GTHER D DESCRIBE DTHER
STOF SUPPORTING DOC	WARNATON AND DENTE	CATION OF THE ACTUAL ITEMS TO BE	REGISTERED.
consibility for the quality of knowledge represents the persture ratings, and iden sufacture of these fittings of part and has been verified	product for which regulars diffication markings are in a is regulated by a Quality C ad by	only declare that the information contain tion is sought. The dimensions, materix coordance with the herein named stand ontrol Program which extends to each a	als of construction, pressure lards, I further declars that the stant where fabrication occurs in whole
ared before me at 20 m day of f	HORI NO 30	OMENCAIDINE SETHIS OFF	Jennifer Versage Watson S Protain Public R T H E I CRoaking tame County North Carolina
ature of Declarer. ared before me at 2010 dey of missioner of Oaths tary Public (eign)	ATTIX Official seal to the right) 70 Into Epito	OIS ALY) Are for Regulatory Authority use	S Profesion Public R THE I CRocking to the Gounty North Carolina Commission Expires 03/05/2023
ature of Declarer. ared before me at 2010 dey of missioner of Oaths tary Public (eign)	ATTIX Official seal to the right) 70 Into Epito	My Composition Authority use steed after ten (10) years from the adapt	S Profesion Public R THE I CRocking to the Gounty North Carolina Commission Expires 03/05/2023

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 exhortly and responsibility for the quality of the and product.

4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

0 H20351.59

DATE: .

INSPECTION SERVICES SECTION
BOILER PRESSURE VESSEL BRANCH

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

The same	V BRUNSWIC	
NUI	AVUT	

NOVA SCOTIA YUKON

PRINCE EDWARD ISLAND NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

06-08-2018

MANUFACTURERS NAME: Engineered Controls Int	national LLC.	
MANUFACTURERS ADDRESS: 100, Read Desive, Clor	1. Nr- 27244	
PLANT LOCATIONS: Clon.		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE C A Pipe fittings, including couplings, toes, elbows, Ys, plugs, unions, pipe caps B Flanges: all flanges C Valvas: all line valvas 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, alght glasses, pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pholisms, pressure vasaets, piping and fusible plugs B Pressure retaining components that do not fall into one of the above categor N Nuclear-components: Class 1	lovels, or protection on these	ASME 831.3
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL AP	PEAR ON THE PRODUCT	TYPE OF CONSTRUCTION
REGO®		FORGED OF WELDED OF WROUGHT OF CAST AS OTHER OF DESCRIPTION OTHER
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE		
DECLARATION: Chad The mas (see recta 2) employed by ECT esponsibility for the quality of the end product do solernnly declare that a sy knowledge represents the product for which registration is sought. The	ne Information contained	of manufaction management
chad The mas (see retail) employed by ECT esponsibility for the quality of the end product do solernily declare that any knowledge represents the product for which registration is sought. The imperature ratings, and identification markings are in accordance with the anufacture of these fittings is regulated by a Quality Control Program with in part and has been verified by ectaration conscientiously believing it to be true, and knowing that it is of	ne information contained ne dimensions, materials ne herein named standard hich extends to each plan as being suitable for that	in this form is true and to the best of construction, pressure is. I further declare that the it where fabrication occurs in whole
chad The max (see note a) employed by ECT esponsibility for the quality of the end product do solemnly declare that any knowledge represents the product for which registration is sought. The imperature ratings, and identification markings are in accordance with the naturalization of these fittings is regulated by a Quality Control Program with in part and has been verified by ecclaration conscientiously believing it to be true, and knowing that it is of ignature of Declarar.	ne information contained ne dimensions, materials as herein named standard hich extends to each plar as being suitable for that f the same force and effect	in this form is true and to the best of construction, pressure is. I further declare that the if whole fabrication occurs in whole purpose and I make this solernn ct as if made under oath.
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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: Clon. 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 C Valves: all line valves ASME B31.3 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 G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on bollers, 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 EN WELDED O WROUGHT O CAST O OTHER O DESCRIBE OTHER: LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: MVE ISC DECLARATION: ECT-Chad Thomas (see note 3) employed by 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: Jennifer Versage Watson S PNotan Public R T H E Declared before me at USE HIS 20th F F I CROAKING Same County North Carolina Commissioner of Oaths My Commission Expires 03/05/2023 or Notary Public: (sign) (Affix Official seal to the right) This space for Regulatory Authority use This registration must be revalidated after ten (10) years DEPT OF PUBLIC SAFETY **BOILER & PRESSURE VESSEL ACT**

OH20351.5 1704 FID#: 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.

EXAMINER CHE

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IT FITTINGS COMPONENTS

STATE OF THE PERSON 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: 100. Pero Done PLANT LOCATIONS: Clon. CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY TITLE OF THE STANDARD OF CONSTRUCTION A Pipe fittings, including couplings, toes, elbows, Ya, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves ASME B31.3 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, aight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boliers, pressure vessels, piping and fusible pluga 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, EI-WELDED D WROUGHT D CAST . IS OTHER D DESCRIBE OTHER: LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: MVE ISC DECLARATION: Chad Thomas ECT-(see note 3) employed by_ and being the person having full authority and responsibility for the quality of the end product do solemnly declare that me information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materiets 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 decisration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath. Signature of Declares: Jennifer Versage Watson Declared before me at ALLINDFORT NMh Caldmonus E HIS Anon F F I CRoaking Same County North Carolina Commissioner of Oaths or Notary Public: (sign) My Commission Expires 03/05/2023 Affix Official seal to the right) This space for Regulatory Authority use CRN: 0H20351.

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UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND

Registered by

Date_

THE BOILER PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS

Registered OH20351.50

Engineering and Inspection Services

JUNE

2018

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 MANUFACTURERS ADDRESS: 100, Rego Dorive elon. Nr- 27244 PLANT LOCATIONS: CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY TILLE 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 ASME B31.3 Strainers, fitters, separators, and steam traps 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 bollers, pressure vessels, piping and fusible plugs 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 27 WELDED D WROUGHT D CAST .20 OTHER D DESCRIBE OTHER: LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: MVE BC DECLARATION: 1 Chad Thomas ECT-(see note 3) employed by_ 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: Jennifer Versage Watson Alamonde With Calamanus E Declared before me at (Youte HIS 20m Propri day of F F I CRosking Sams County Commissioner of Oaths North Carolina or Notary Public: (sign) My Commission Expires 03/05/2023 (Affix Official saal to the right) This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0H20351.5

1704 FID#

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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

PLANT LOCATIONS: Clora CATEGORY OF FITTINGS: A Pipe fixings, including couplings, ten B Flanges: all flanges C Valves: all fline valves D Expansion joints, flexible connection E Strainers, filters, separators, and site F Measuring devices, including pressure pressure transmitters G Cartifled capacity-rated pressure reliables, pressure vessels, piping and B Pressure retaining components that N Nuclear components: Class 1 D Cl SHOW MANUFACTURERS NAME. TRU LET OF EUPPORTING DOGUMENTA MY E IS C DECLARATION: Chad Thomas Expansibility for the quality of the end y knowledge represents the product in part and has been verified by Included those fittings to regulate in part and has been verified by Included the product of the product of the part and has been verified by Included before me at MANUFACTURERS In a registration This registration This registration This registration	es, elbows, Ys, plugs, uns, and hose assemblication traps ire gauges, level gauge in devices accoptable at fasible pluge do not fall lints one of the less 2 D Class 3 D. (I ADEMARK, OR LOGO TION AND IDENTIFICA TION AND IDENTIFICA TO which registration markings are in account of the content of the conte	CIRCLE ON unions, pipe of the sale of the	NE CATEGO Caps, or redu sea, levels, or ver pressure egories 28 or ASME : APPEAR O	RY ONLY cors protection on equirements) NTHE PRODUCT TYPENS TO BE and be nation contain sions, material named stand	CI TYPE OF CONSTRUCTOR A S M C C 31 · 3 CI TYPE OF CONSTRUCTOR FORCE C WILDED D WROUGHT D CAST C OTHER O CONTROL O
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To:ACI Central

06-13-18;23:43 ;From:

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE	EDWARD ISLAND WEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
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The declaration shall be made by	read management franchisco field and the		70	

Territorial Registration Fee

Chief Inspector



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.: 2316362

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.: 0H20351.51.

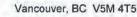
As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

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





Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

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

Date: May 31, 2018

Account #: 35231 Journal #: 70888

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2316362, for a Fitting is accepted for registration as follows:

Registered To: ENGINEERED CONTROLS

INTERNATIONAL LLC

CRN: 0H20351.51

Drawing #: MVE13C

Drawing Revision: D

Conditions Of Registration:

Registration of a Manifold Vent Circuit, HL 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:

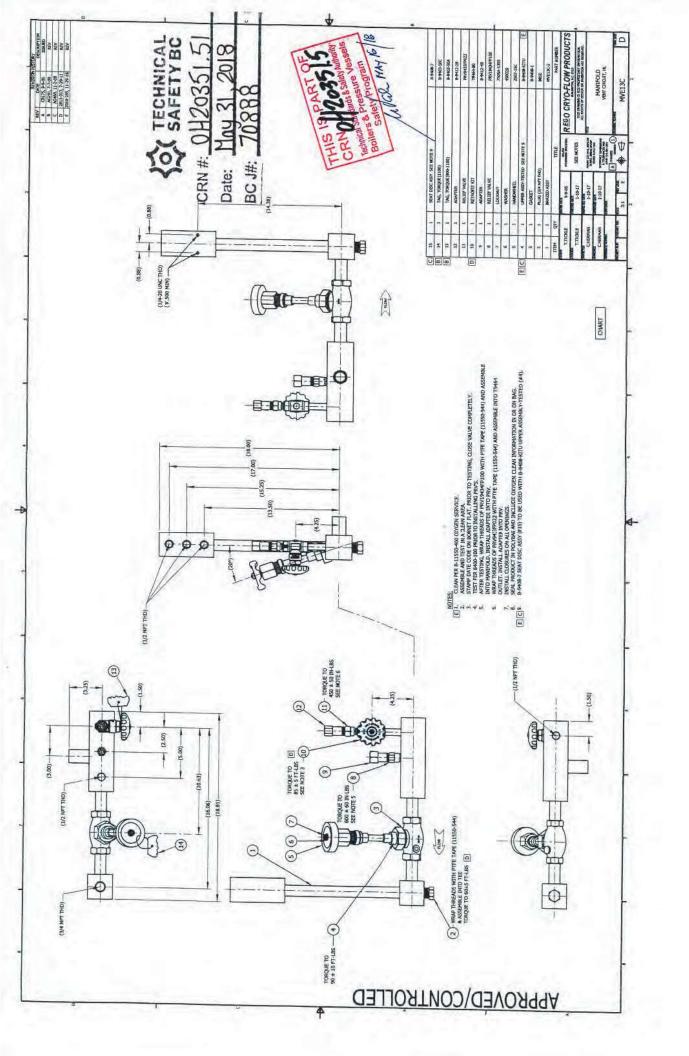
As required by CSA B51 4.2.1, this registration expires on May 16, 2028. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program 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.: 2316384

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-0H20351.56.

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

REGISTERED



Statutory Declaration Registration of Fittings

(a) Design Qualification	CSA Group per CSA B51
Chad Thomas, V.P of Engineering	L
(Position eg, president, pla	nt manager, chief eng.)
Of Engineered Controls Internation	al, LLC
(name of co	
Located at 100 Rego Drive, Elon, NC	-27244 USA
(plant add	
do solemnly declare that the fittings listed hereunder, which are subject	ct to the Boilers & Pressure Vessels Act:
required:	to their dimensions, material, identification & service for which are
Or	
	nd are therefore constructed to comply with best current engineering practice, as shown by the supporting test
data.	and the state of t
ASME B31.3, and has been verified by the following aut The fittings ² covered by this declaration, for which I seek registration, a In support of the application, the following information, calculations and	Tor test data are attached:
See attached list - MVE 13	<u>c</u>
In the of State of North Carolina	Jennifer Versage Watson Notary Public Rockingham County
The 20 Day of ADYN AD 1920	North Carolina My Commission Expires 03/05/2023 Signature of Declarer ³
1)	Constitute of Decidion
For Official U	se Only
The application is accepted for registration in Category CSA Standard B51.	in accordance with the Boilers and Pressure Vessels Act and
This registration must be revalidated after ten (19) years from the dat	e of acceptance. MAY · 16 · 2028
Registered Number CRN CSA-0H20351.56	For the Chief Inspector SA A.BANWATT Date Group Tune: 13:2018

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

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

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

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

Signed: askwall

Date: 13 June 2018

REGISTERED



CRN: CSA-OH20341.+6

Registration Process administered by CSA Group per CSA B51

13

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Proce Pr

CRATTE BUREW ALC



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

Website: www.tsask.ca

Page 1 of 1

Statutory Declaration (Registration of Fittings)

				TSK-10
De	claration Information			
C	had Thomas, V.P of Engineering	ng		In this space, show facsimile of manufacturer's logo or trademark as it w appear on the fitting.
-	(company title, e.g. vice (must be in a position of authority in	president, plant manager, chief er the manufacturing plant where the		REGO®
: Er	ngineered Controls Internationa	al, LLC		
		(name of manufacturer)		
cate	d at: 100 Rego Drive		Elon, NC	27244
	(Plant Address – Apt/St emnly declare that the fitting of Safety Act (check one)		(City,Prov) h are subject to the Sas	(Postal Code) katchewan Boiler and Pressure
9	Comply with the requiremen	ots of ASME B31.1	wh	ich specifies the dimensions,
9	Materials of construction, pr	(title of recognized North	American Standard)	
	Are not covered by the prov to comply with	isions of a recognized No	th American standard a	nd are therefore manufactured as supported by the attached
		nensions, materials of con-	struction, pressure / tem	perature ratings and the basis
	for such ratings, and the ma			poratare rainings and the bacic
rified	er declare that the manufactor of by the following authority, e fittings to the stated stand	UL 9001	as bei	ing suitable for the manufacturer
	ry H	ard. The intings covered i	by this declaration, for w	filer i seek registration, are
De CLA	claration RED before me at AUM On Fervorsage Wo	anceCounty In the	State, 2018	of NMh Carolina Jeanne Versage Watson Notary Public
Signa	ture of Commissioner of Oaths)			Ro <mark>cking</mark> ham County North Carolina My Commission Expires 03/05/2023
he b	rice Use Only est of my knowledge and belie 1, Clause 4.2, and is accepted	f, the application meets the re	equirements of the Boiler a	and Pressure Vessel Safety Act and
SF	1-0H20351.56 tration Number)	REGISTERED (Date Re	ogistered – MM DD 1000 Administrator / Chief Inspector)	(Expiry Date – MM DD YYYY)
			20351.56	A. BANWAT
		Registration Proces	and and a fact to a seal of the seal	TSK-10

CSA Group per CSA B51

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

Signed: USS WELL

Date: 13 June 2018

REGISTERED



CRN: CSA - OH203+1.+6

Registration Process administered by CSA Group per CSA B51

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345 Carlingview Drive Toronto, Ontario M9W 5N9 Tel: 416 734 3360 Fax: 416 231 1626 Toll Free: 1,877 682 8772

www.tssa.org

May 16, 2018

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

Service Request Type: BPV-Fitting Registration

Service Request No.: 204

2044382

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.:

0H20351.5

Main Design No.:

Dwg. No. MVE13C Rev. E, Manifold Vent Circuit, HL

Expiry Date:

16-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.

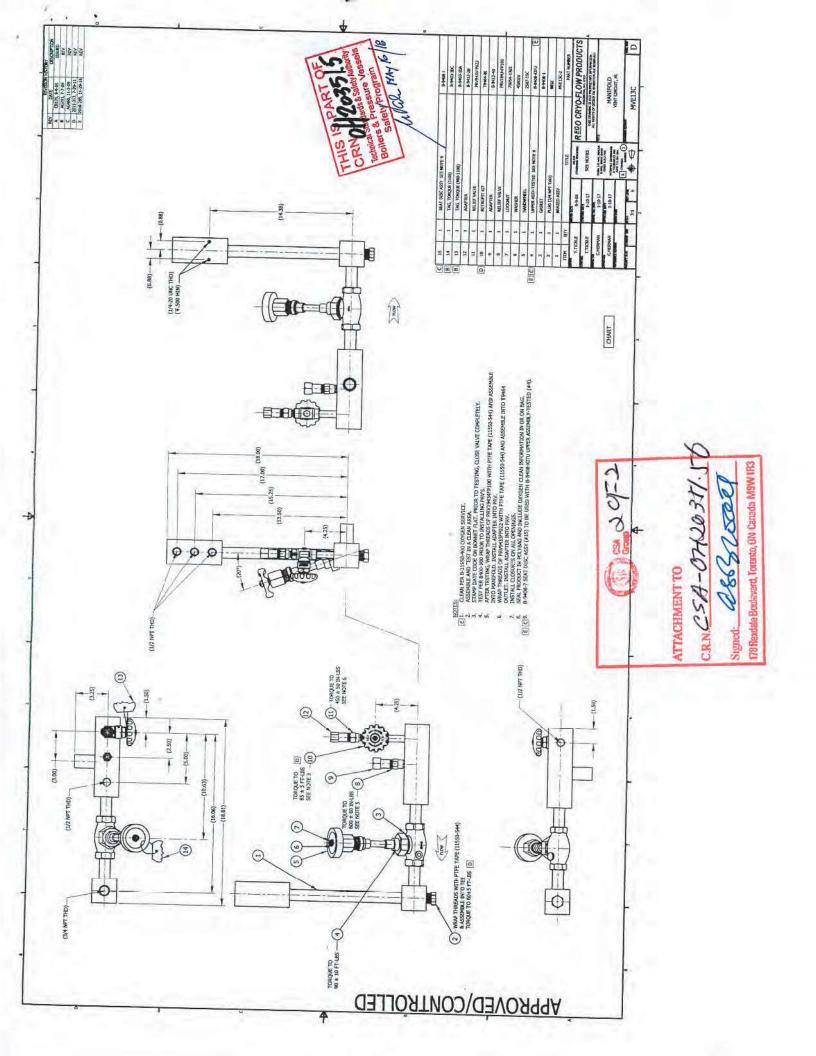
Mark Valcic P. Eng. Engineer Specialist BPV

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

C.R.N. CSA - 0742031/. 16

Signed: 2435561

178 Rexdate Bossevard, Toronto, GN Canada M9W IR3





345 Carlingview Drive Toronto, Ontario CANADA M9W 6N9 Tel.: 416.734.3300 Fax.: 416.231.1626

Fax.: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

October 18, 2018

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

Service Request Type.: BPV-National MB

Service Request No.: 2316394

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.: 0H20351.54.

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
500 - 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 17, 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
MVE13C Rev. E	0H20351.54	39014

An invoice covering survey and registration fees is enclosed.

NOTE:

- CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA
- See attached stamped "this is part of CRN" for scope of registration.
- This registration expires May 16, 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.

Yours truly,

Rabie Harb, P. Eng.

Engineer

Office of the Fire Commissioner

Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

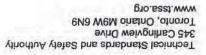
Phone: 204-945-3373

Email: rabie.harb@gov.mb.ca

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



TI/30/8102 :0110





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PV 09553 (06/16)

NOTE: This registration expires on:



Colleen Anne Ratcliff, a Commissioner, etc., City of Toronto, for the Technical Standards & Safety Authority Expires July 24, 2019

