



To:	TSSA	From:	Janet Townsend
Company:	Engineered Controls International, LLC	Phone:	416-747-4291
Pages:	8	Location:	Toronto
Our File:	ANR-4442	Date:	April 20, 2017

Your File: 2020896

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Engineered Controls International, LLC.

These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces.

The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0H19098.56.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

Janet Townsend
Program Manager
CSA Group



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

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

REGO®

STATUTORY DECLARATION Registration of Fittings

I, **CHAD THOMAS, VP GLOBAL ENGINEERING**

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of **ENGINEERED CONTROLS INTERNATIONAL, LLC**

(Name of Manufacturer)

Located at **100 REGO DRIVE, ELON, NC - 27244**

(Plant Address)

336-448-7707

(Telephone No.)

(Fax No.)

☒ I do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of **ASME B31.1**

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☐ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of **ISO90001** which has been verified by the following authority, **UNDERWRITERS LABORATORY INC**

The items covered by this declaration, for which I seek registration, are category **"H"** type fittings. In support of this application, the following information and/or test data are attached as follows:

SEE ATTACHED LIST

(drawings, calculations, test reports, etc.)

Declared before me at **Engineered Controls Int'l/Elon** in the **County** of **Alamance, NC** the **16th** day of **December** AD 20 **16**

Commissioner for Oaths:

Marisa E. Elliott

(Printed name)

Marisa E. Elliott

(Signature)

Chad Thomas

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category **H**

CRN:

CSA - OH19098.56

Registered by:

A. BANWATT

Dated:

APRIL 12 2017

NOTE: This registration expires on:

JAN 17 2021

PV 09563 (06/16)

MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA

my commission expires **8/31/2021**

REGISTERED

CRN: CSA - OH19098.56

Registration Process administered by
CSA Group per CSA B51

Note: See attachment as the scope of registration.



**CERTIFIED
TRUE COPY**

Date: **Jan 16/17**

Signature: **[Signature]**

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

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



REGISTERED



CRN: CSA-0H19098.16

Registration Process administered by
CSA Group per CSA B51

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

Signed: 

Date: 12 April, 2017

Category	System Number	Description	Drawing Number	Body Number	Body Material	Service Pressure
H	MVE5D-S	Vent Assembly	B-94071F	B-9408ST-1	Bronze Cast Alloy, UNS C92200, ASTM B61	600
			MVE5D-3	MVE5D -3	FC Brass, UNS C36000, ASTM B16	600
			1337-2S	1337-2S	Stainless Steel Pipe, ASTM A249, TP316L	600
			1337-57S	1337-57S	Stainless Steel Pipe, ASTM A249, TP316L	600
			1337BS-22 SER	1337BS-22C	Stainless Steel Pipe, ASTM A312, TP316L	600
			B-8404-19SS	B-8404-19SS	Stainless Steel Pipe, ASTM A249, TP304L	600

 **CSA Group** 10F2

ATTACHMENT TO

C.R.N.: CSA-0H19098.56

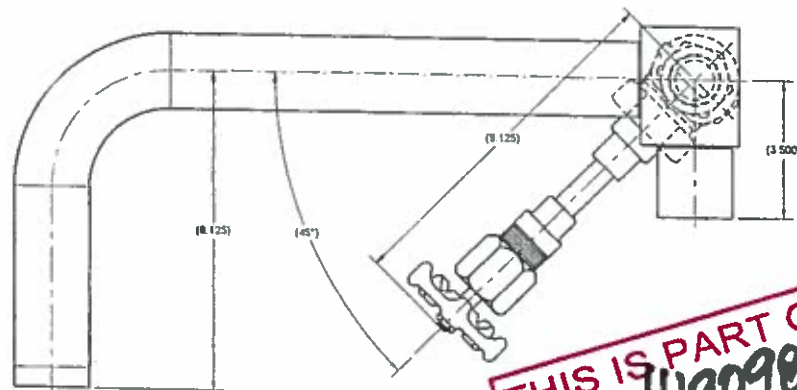
Signed: [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

THIS IS PART OF
 CRN 0H19098.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

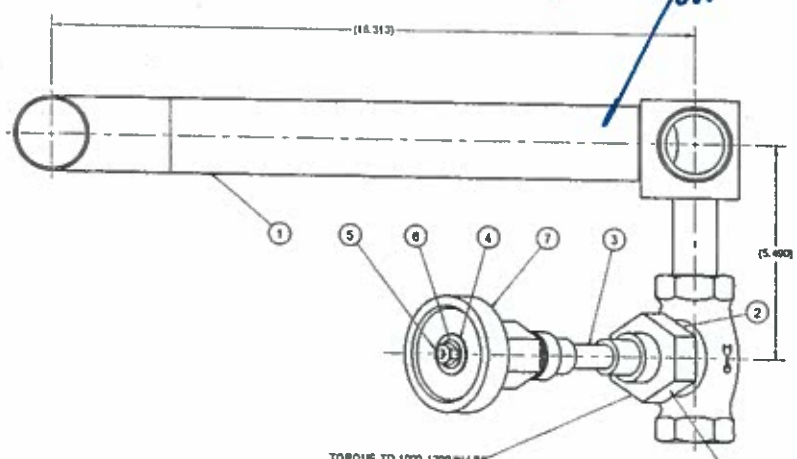
[Signature] Jan 17/17

APPROVED/CONTROLLED



THIS IS PART OF
CRN OH19098.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

Wick Jan 17/17



STAMP DATE CODE
 (MO, WK, YR) ON BOWNET
 HEX FLAT

CHART

REVISION HISTORY		
REV	DATE	DESCRIPTION
A	2012-238, 5-22-12	ISSUED



209-2

ATTACHMENT TO

C.R.N. **CSA-OH19098.56**

Signed: *[Signature]*

178 Rexdale Blvd. Canada M9W 1R3

NOTES:

1. CLEAN ALL COMPONENTS PER B-11550-400 FOR OXYGEN SERVICE JUST PRIOR TO ASSEMBLY
2. TEST PER 8400-100.
3. ATTACH TORQUE TAG TO HANDWHEEL/STEM.
4. ASSEMBLY MUST FIT CHART GOWO-00 FUTURE IF D00010 PRIOR TO SHIPPING.
5. ATTACH CLOSURES TO ALL END CONNECTIONS TO PROTECT AND SEAL OPENINGS.
6. SEAL PRODUCT IN POLYBAG AND INCLUDE OXYGEN CLEAN INFORMATION IN OR ON BAG
7. REFERENCE CHART DRAWING NUMBER B-14121658

ITEM	QTY	TITLE	PART NUMBER
8	1	TAG, TORQUE (1100) (NOT SHOWN)	SEE NOTE 3 B-8403-50C
8	1	SEAT DISC ASSY (NOT SHOWN)	B-8408-7
7	1	HANDWHEEL (SILVER)	2507-15C
6	1	WASHER	450028
5	1	NUT, LOCK	7505A-135S
4	1	TAG, VAPOR VENT HCV-12	11573-507
3	1	KT, UPPER ASSEMBLY REPAIR (UNTESTED)	B-8408-KITU
2	1	GASKET	B-8408-1
1	1	BRAZED ASSY	SEE TABLE

Y. TICKLE 5-22-12 7-24-12 7-24-12 7-25-12		ENGINEERED CONTROLS INTERNATIONAL, LLC. R&D R&D CRYO-FLOW 1000 N. C. ST. W. DULUTH, GA 30091	
D. GENTILE 7-25-12		VENT ASSY	
PROJECT NO. CF946		MVE5D SER	



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:

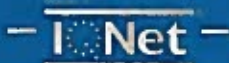
ISO 9001 : 2008

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



March 2017

CRN – Canadian Registration Numbers - Saskatchewan

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of “Fittings”.

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters “CSA” are applied as a prefix to the CRN to indicate which “Fittings” have been registered in this manner. You should inform your clients of this additional marking requirement and that “Fittings” registered by CSA Group are accepted for use in Saskatchewan Canada.