



To:	TSSA	From:	Janet Townsend
Company:	Engineered Controls International, LLC	Phone:	416-747-4291
Pages:	8	Location:	Toronto
Our File:	ANR-4427	Date:	April 20, 2017

Your File: 2017734

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-0H19073.56.

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)

336-449-7707

(Telephone No.)

(Fax No.)

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

(Title of recognized North American Standard)

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

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

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of **ISO90001**

which has been verified by the following authority, **UNDERWRITERS LABORATORY INC**

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

SEE ATTACHED LIST

(drawings, calculations, test reports, etc.)

Declared before me at **Engineered Controls, Intl** in the **County** of **Alamance**
the **16th** day of **December** AD 20 **16**

Commissioner for Oaths:

MARISA E. ELLIOTT

(Printed name)

MARISA E. ELLIOTT

(Signature)

Chad M. Thomas

(Signature of Declarer)

FOR OFFICE USE ONLY

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

CRN:

CSA - 0H19073.56

Registered by:

A. BANWATT

Dated:

APRIL 12 2017

NOTE: This registration expires on:

JAN 11 2026

PV 09553 (06/16)

MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA

My Commission expires
8/31/2021

REGISTERED

CRN: **CSA - 0H19073.56**

Registration Process administered by
CSA Group per CSA B51

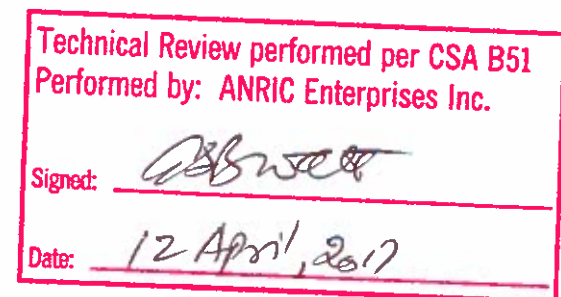
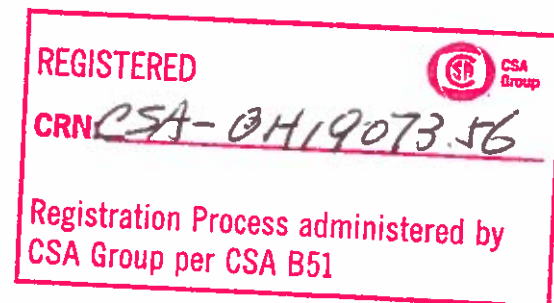
Note: See attachment as the scope of registration.

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

CERTIFIED
TRUE COPY


Date: **Jan 10/17**

Signature: **[Signature]**



Category	System Number	Description	Drawing Number	Body Number	Body Material	Service Pressure
H	MVE7C	Economizer Circuit Assembly	9475ES-1A	9475ES-1A	Forging Brass, UNS C37700, ASTM B283	600
			1337-58S	1337-58S	Stainless Steel Pipe, ASTM A249, TP304L	600
			1337CS-22 SER	1337CS-22A	Stainless Steel Pipe, ASTM A249, TP304L	600
			1337-50AS	1337-50AS	Stainless Steel Pipe, ASTM A249, TP304L	600
			BK9450-5	BK9450-5	FC Brass Rod, UNS C36000, ASTM B16	600

10F2

 **CSA Group**

ATTACHMENT TO

C.R.N. CSA-OH19073.56

Signed: [Signature]

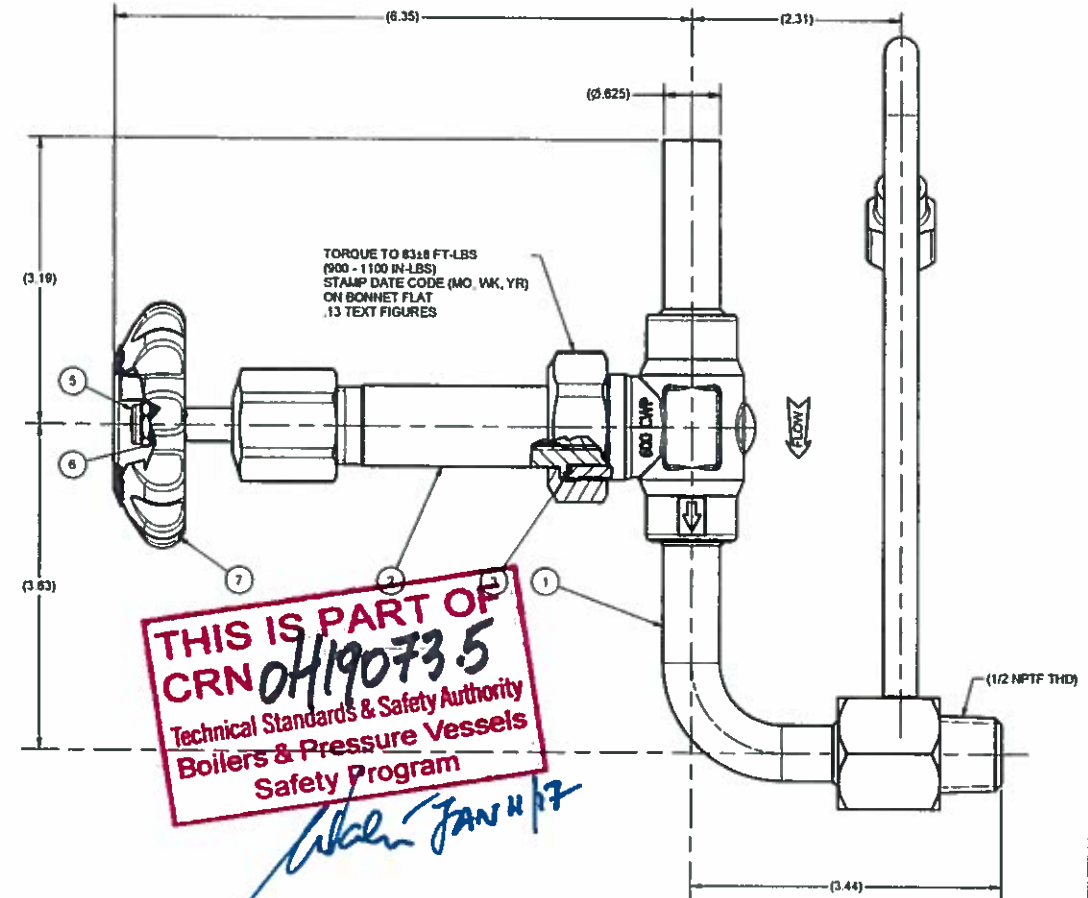
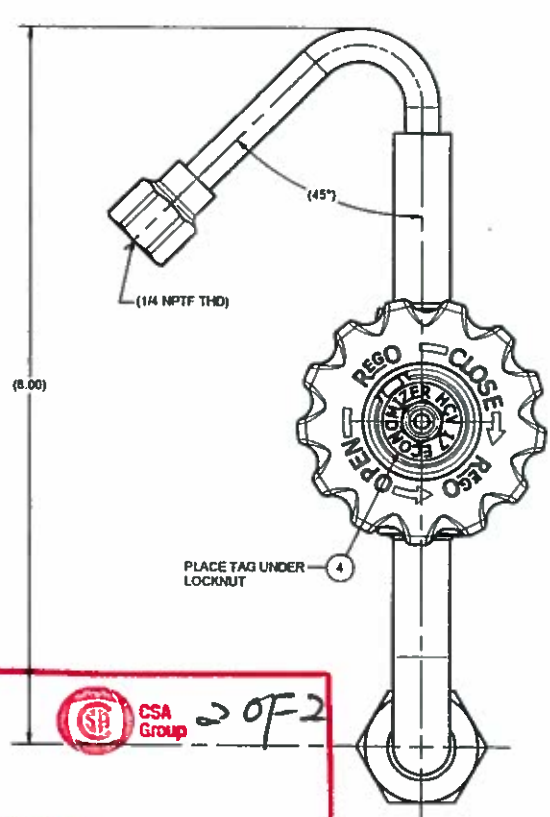
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R5

THIS IS PART OF
CRN OH19073.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

[Signature] Jan 4/17

APPROVED/CONTROLLED

REVISION HISTORY		
REV	DATE	DESCRIPTION
A	2012.2.18.5-18-12	ISSUED



THIS IS PART OF
CRN 04190735
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program
JAN 11/17

ATTACHMENT TO
C.R.N. CSA-04190735
Signed: [Signature]
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

NOTES:

1. CLEAN & PACKAGING PER B-11550-400 OXYGEN SERVICE. STORE CLEAN AND ASSEMBLE IN CLEAN AREA.
2. TEST PER 8400-100.
3. ATTACH TAG TO HANDWHEEL/STEM.
4. ATTACH CLOSURES TO ALL END CONNECTIONS TO PROTECT AND SEAL OPENINGS.

ASSEMBLY NUMBER	① BRAZED ASSEMBLY
MVE7C	MVE7C-2A
MVE7C-S	MVE7C-2AS

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	TAG, TORQUE (900 - 1100) (NOT SHOWN) SEE NOTE 3	B-9403-50A
2	1	HANDWHEEL	6800-30G
3	1	WASHER	A8016B-7SS
4	1	NUT, LOCK	450029
5	1	TAG HCV-17 ECONOMIZER	11573-503
6	1	GASKET	9452ES-15
7	1	KIT, UPPER ASSY (UNTESTED)	B-9450-KITU
8	1	BRAZED ASSY	MVE7C-2A SER
PART NUMBER			
ENGINEERED CONTROLS INTERNATIONAL, LLC			
RMO RMO CRYO-FLOW			
BURLINGTON, N.C. 27315			
THIS DRAWING IS A PROPERTY OF ENGINEERED CONTROLS INTERNATIONAL. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.			
ECONOMIZER CIRCUIT ASSY			
W/O CHECK VALVE			
MVE7C 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



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



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.