



To:	TSSA	From:	Janet Townsend
Company:	Engineered Controls International, LLC	Phone:	416-747-4291
Pages:	14	Location:	Toronto
Our File:	ANR-5058	Date:	August 2, 2018

Your File: 2349252

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-0C20511.56.

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

178 Rexdale Blvd.
Toronto, ON, M9W 1R3
Canada
www.csagroup.org

REGISTERED



CRN: CSA-OC20511.56

Registration Process administered by
CSA Group per CSA B51

Statutory Declaration Registration of Fittings

(a) Design Qualification

I, Chad Thomas, V.P of Engineering

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

Of Engineered Controls International, LLC

(name of company)

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

(plant address)

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

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

Or

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

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ASME B31.1, and has been verified by the following authority or authorized agency UL 9001

The fittings² covered by this declaration, for which I seek registration, are Category "C"

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

See attached list

Declared before me at Alamance County

In the of State of North Carolina

The 20 Day of April AD 192018

Jennifer Versage Watson
A (commissioner for oaths)

Jennifer Versage Watson

Notary Public

Rockingham County

North Carolina

My Commission Expires 03/05/2023

Chad Thomas
Signature of Declarer

For Official Use Only

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

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

July . 09 . 2028

Registered Number CRN CSA- OC20511.56

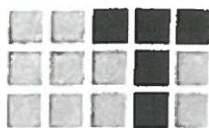
For the Chief Inspector
Date



A. BANWATT
July . 27 . 2018

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





Technical Safety Authority of Saskatchewan

REGISTERED



CRN: CSA-OC20511.56

2202 2nd Ave.
Regina, SK S4R 1K3
PH: (306)799-7112 Toll Free: (866)530-8599
FAX: (306)781-9273 Toll Free: (866)760-9255
Email: boilerpermits@tsask.ca
Website: www.tsask.ca

Registration Process administered by

CSA Group per CSA B51

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Chad Thomas, V.P of Engineering

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

of: Engineered Controls International, LLC

(name of manufacturer)

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

REGO®

located at: 100 Rego Drive

Elon, NC

27244

(Plant Address - Apt/Street)

(City, Prov)

(Postal Code)

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

- ☒ Comply with the requirements of ASME B31.1 which specifies the dimensions,
(title of recognized North American Standard)
Materials of construction, pressure / temperature ratings and identification marking of the fittings, or
- ☐ Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

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

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

See attached list

II. Declaration

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

Jennifer Versage Watson
(Signature of Commissioner of Oaths)

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

III. Office Use Only

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

CSA-OC20511.56

(Registration Number)

July 27 2018

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

July 09 2028

(Expiry Date - MM DD YYYY)

A. BANWATT



See the attachment for the scope of the registration

TSK-1008
Rev. 10/2012
Page 1 of 1

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	4403-S4	Regulator	4403-1J	Zinc Die Casting ASTM B86	250	165	-40
			4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	5755B4	Regulator	4403-1J	Zinc Die Casting ASTM B86	250	165	-40
			4403-34J	Zinc Die Casting ASTM B86	250	165	-40
C	5754B4	Regulator	4403-1J	Zinc Die Casting ASTM B86	250	165	-40
			4403-34J	Zinc Die Casting ASTM B86	250	165	-40
C	5720B34	Regulator	3403A-4B	Zinc Die Casting ASTM B86	250	165	-40
C	LV4403N4	Regulator	4403-34J	Zinc Die Casting ASTM B86	150	165	-40
			4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV404B SER	Regulator	3403A-1	Zinc Die Casting ASTM B86	150	165	-40
			C404-1	Zinc Die Casting ASTM B86	250	165	-40
			C404-2	Brass Forging Alloy, ASTM B283	250	165	-40
C	LV404B34	Regulator	3403A-1	Zinc Die Casting ASTM B86	150	165	-40
			C404-1	Zinc Die Casting ASTM B86	250	165	-40
C	LV3403K	Regulator	3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403TR	Regulator	3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403TRH	Regulator	3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403TRL	Regulator	3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403UR	Regulator	3403-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403VR	Regulator	3403-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV4289-10	Regulator	3403A-1C	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403VR	Regulator	3403-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403B SER	Regulator	4403-1J	Zinc Die Casting ASTM B86	150	165	-40
			4403-34J	Zinc Die Casting ASTM B86	150	165	-40
			4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV440366L SER	Regulator	4403-34J	Brass Rod UNS C36000, ASTM B16	150	165	-40
			4403-20C	Zinc Die Casting ASTM B86	150	165	-40

THIS IS PART OF
CRN 0020511-5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

ATTACHMENT TO
C SA - 0020511-5
Signed: [Signature]
178 Hazlede Boulevard, Toronto, ON Canada M5W 1R3

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	LV4403B4HDL	Regulator	4403-1J	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403BR	Regulator	4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403B66RA	Regulator	4403-R	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403K	Regulator	4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403H	Regulator	4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C2H42	Regulator	4403-1MP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-32C	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-34KP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-12K	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-12A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-20	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-12A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-16	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-16A	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-16	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-16A	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-34JP	Zinc Die Casting ASTM B86	150	165	-40

THIS IS PART OF
CRN 0020511.5

Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

ATTACHMENT 10

C.R.N.

Signature: *[Signature]*
179 Riverside Boulevard, Toronto, ON Canada M5W 1E3

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	LV4403V	Regulator	4403-16	Zinc Die Casting ASTM B86	150	165	-40
			4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-16C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-11P	Zinc Die Casting ASTM B86	150	165	-40
			4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-16	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403V	Regulator	4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-16C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-11P	Zinc Die Casting ASTM B86	150	165	-40
			4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-16	Zinc Die Casting ASTM B86	150	165	-40
			4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403YR	Regulator	4403-11P	Zinc Die Casting ASTM B86	150	165	-40
			4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-16B	Zinc Die Casting ASTM B86	150	165	-40
			4403-16C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-R	Zinc Die Casting ASTM B86	150	165	-40
			4403-16B	Zinc Die Casting ASTM B86	150	165	-40
C	LV5503C	Regulator	4403-16C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			5503-1C	Zinc Die Casting ASTM B86	150	165	-40
			4403-12	Zinc Die Casting ASTM B86	150	165	-40
			4403-12B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			5503-35C	Zinc Die Casting ASTM B86	150	165	-40
			4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV5503B	Regulator	5503-35C	Zinc Die Casting ASTM B86	150	165	-40
			5503-35D	Zinc Die Casting ASTM B86	150	165	-40
			4403-16B	Zinc Die Casting ASTM B86	150	165	-40
			4403-16C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			5503-18C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			5503-35C	Zinc Die Casting ASTM B86	150	165	-40

THIS IS PART OF

CRN 002059115

Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

Signature: *[Signature]*
178 Roadside Boulevard, Toronto, ON Canada M5W 1R3

C.R.N. 002059115

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
			5503-35D	Zinc Die Casting ASTM B86	150	165	-40
			4403-16B	Zinc Die Casting ASTM B86	150	165	-40
			4403-16C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			5503-18C	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV5503K	Regulator	5503-1DBSP	Zinc Die Casting ASTM B86	150	165	-40
			5503-1CBSP	Zinc Die Casting ASTM B86	150	165	-40
			4403-16K	Brass Rod UNS C36000, ASTM B16	250	165	-40
			5503-18K	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV5503Y	Regulator	5503-35C	Zinc Die Casting ASTM B86	150	165	-40
			5503-35D	Zinc Die Casting ASTM B86	150	165	-40
			5503-18C	Zinc Die Casting ASTM B86	150	165	-40
C	LV404Y9	Regulator	LV4403-1	Zinc Die Casting ASTM B86	150	165	-40
			C404-2	Zinc Die Casting ASTM B86	150	165	-40
C	LV404B39	Regulator	3403A-1A	Brass Forging Alloy, ASTM B283	250	165	-40
			C404-2	Zinc Die Casting ASTM B86	150	165	-40
C	LV404B34	Regulator	3403A-1A	Brass Forging Alloy, ASTM B283	250	165	-40
			C404-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403B	Regulator	3403A-1B	Zinc Die Casting ASTM B86	150	165	-40
C	4403W	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-16	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	6579	Filler Valve	LEX7579-1	Brass Rod UNS C36000, ASTM B16	250	165	-40
			L7579-2	Brass Rod UNS C36000, ASTM B16	250	165	-40
			6579-2SS	304/305 Annealed Stainless Steel	250	165	-40
C	8530	Delta Port	LEX7579-1	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	7579	Filler Valve	6579-1E	Brass Rod UNS C36000, ASTM B16	250	165	-40
			7579-1E	Brass Rod UNS C36000, ASTM B16	250	165	-40
			7579-2A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			7579-7	Brass Rod UNS C36000, ASTM B16	250	165	-40

THIS IS PART OF

CRN DC20511-5

Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

C.R.N. **CSA-0620511-5B**

Signed: *[Signature]*

178 Riverside Boulevard, Toronto, ON Canada M5W 1R3

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	A6010	ESV	A6010-1	Ductile Iron ASTM A395	400	165	-40
C	A6016	ESV	6016-1D	Ductile Iron ASTM A395	400	165	-40
C	A6024	ESV	6024-1A	Ductile Iron ASTM A395	400	165	-40
C	FA6010	ESV	FA6010-1	Ductile Iron ASTM A395	400	165	-40
			FA6010-2	Ductile Iron ASTM A395	400	165	-40
C	FA6016	ESV	FA6016-1	Ductile Iron ASTM A395	400	165	-40
			FA6016-2	Ductile Iron ASTM A395	400	165	-40
C	FA6024	ESV	FA6024-1	Ductile Iron ASTM A395	400	165	-40
			FA6024-2	Ductile Iron ASTM A395	400	165	-40
C	FVA6010	ESV	FA6010-1	Ductile Iron ASTM A395	400	165	-40
			FA6010-2	Ductile Iron ASTM A395	400	165	-40
C	FVA6016	ESV	FA6016-1	Ductile Iron ASTM A395	400	165	-40
			FA6016-2	Ductile Iron ASTM A395	400	165	-40
C	FVA6024	ESV	FA6024-1	Ductile Iron ASTM A395	400	165	-40
			FA6024-2	Ductile Iron ASTM A395	400	165	-40
C	VA6010	ESV	A6010-1	Ductile Iron ASTM A395	400	165	-40
C	VA6016	ESV	6016-1D	Ductile Iron ASTM A395	400	165	-40
C	VA6024	ESV	6024-1A	Ductile Iron ASTM A395	400	165	-40
C	AR4106A SER	Relief Valve	AR4106A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-40
			AR4106A-20	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4106A-3	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4106A-2	FC Stainless Steel, UNS C30300, ASTM A581/582/A314	600	165	-320
C	AR4108A SER	Relief Valve	AR4108A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4108A-20	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4108A-3	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4108A-2	FC Stainless Steel, UNS C30300, ASTM A581/582/A314	600	165	-320
C	BB9408T		BB9408T-1CA	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320

THIS IS PART OF
DRN DC20511-5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Division

ATTACHMENT TO
 CSA-06-20511-56
 C.R.N. *CSA-06-20511-56*
 Signed: *CSA-06-20511-56*
 178 Rensselaire Boulevard, Toronto, ON Canada M5W 1R3

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	2554A SER	Globe Valve	458451-22	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B9402-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9408-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			2554-1	Copper Alloy Castings, UNS C83600, ASTM B62/B584	600	165	-320
C	AR4104A SER	Relief Valve	2554-6A	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4106A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4104A-20	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4106A-3	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4106A-2	FC Stainless Steel, UNS C30300, ASTM A581/582/A314	600	165	-320
C	BB9404T	Globe Valve	BB9404T-1CA	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
			458450-22	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B8402-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9408-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9404S	Globe Valve	BB9404-1CA	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
			458450-22	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B8402-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9408-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9408S	Globe Valve	BB9408-1CA	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
			458451-22	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B8402-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9408-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320

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Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

C.R.N. CSA-0020511-10

Signature: *[Signature]*
178 Riverside Boulevard, Toronto, ON Canada M5W 1R3

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	BB9406T	Globe Valve	B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9406T-1	Bronze Cast Alloy, UNS C92200, ASTM B61/B584	720	165	-320
			B8402-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			458451-22	304L SS Rod, UNS S30403, ASME A249	720	165	-320
			BB9408-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
C	BB9416T	Globe Valve	B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9416T-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/B584	720	165	-320
			222X16-22P	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B9416-10	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9416-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
C	BB9402S	Globe Valve	B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9404-1CB	Bronze Cast Alloy, UNS C92200, ASTM B61/B584	720	165	-320
			458450-22	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			BB-9404-2F	Yellow Brass Forge, B283, UNS C37700	720	165	-320
			B-9402-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9412F	Globe Valve	452538-12	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9409F-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/B584	720	165	-320
			458432-22	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B9410-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9409-20	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
C	BB9406S	Globe Valve	B9410-2	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9406S-1	Bronze Cast Alloy, UNS C92200, ASTM B61/B584	720	165	-320
			B8402-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			458451-22	304L SS Rod, UNS S30403, ASME A249	720	165	-320
			BB9408-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
C	BB9416T		B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9416T-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/B584	720	165	-320

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Boilers & Pressure Vessels
Safety Division

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CRN: 002051105

ATTACHMENT TO

7 of 9
FC Brass Rod, UNS C36000, ASTM B16
304L SS Rod, UNS S30403, ASME A249

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
		Globe Valve	222X16-22P	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B9416-10	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9416-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9416-6	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9412S	Globe Valve	BB9412-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
			458432-22	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B9410-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9409-20	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9410-2	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9412T	Globe Valve	BB9412-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
			458432-22	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B9410-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9409-20	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9410-2	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9402T	Globe Valve	BB9404T-1CB	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
			458450-22	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			BB-9404-2F	Yellow Brass Forging, B283, UNS C37700	720	165	-320
			B9402-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9416F	Globe Valve	BB9416F-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
			222X16-22P	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B9416-10	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9416-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9416-6	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	AR4112A SER	Relief Valve	AR4112A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320

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CRN 062051105

Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

C.R.N. CSA-0620511.56

Signed:

[Signature]

178 Beville Boulevard, Toronto, ON Canada M5W 1R3

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	BB9416S	Globe Valve	AR4112A-20	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4112A-3	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
			AR4112A-2	FC Stainless Steel, UNS C30300, ASTM A581/582/A314	600	165	-320
			BR6108-5	Bronze Cast Alloy, UNS C92200, ASTM B61	600	165	-320
			BB9416-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
			222X16-22P	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B9416-10	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9416-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9416-6	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320

THIS IS PART OF
CRN 0C20511.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

CSA Group 90F9
ATTACHMENT TO
CRN 0C20511.5
Signed: [Signature]
178 Hazlede Boulevard, Toronto, ON Canada M9W 1R3

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

178 Rexdale Blvd.
Toronto, Ontario
Canada M9W 1R3
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www.csagroup.org



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.