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July 09, 2018

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

Service Request Type: BPV-Fitting Registration
Service Request No.: 2307138
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.: 0C20511.5
Main Design No.: REGULATORS & VALVES - SEE SCOPE OF REGISTRATION (9 PGS)
Expiry Date: 09-Jul-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,

Charley Dong, M.Sc. P.Eng.
Mechanical Engineer

Tel.: 416-734-3436
Fax: 416-231-6183
Email: cdong@tssa.org



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



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 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 B31.1

(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 C 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 Alamance County in the State of North Carolina
 the 20 day of April AD 2018

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

Commissioner for Oaths:

Jennifer Versage Watson
(Printed name)
Jennifer Versage Watson
(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 C

CRN: OC20511-5

Registered by: Charley Dong

Dated: July 9/18

NOTE: This registration expires on: July 9, 2028 July 9/18

NOTE: SEE ATTACHED
 'PART OF CRN'
 FOR THE SCOPE.
 CD
 ISSA

Technical Standards and Safety Authority **Boilers and Pressure Vessels Safety Program**

REGISTERED

C.R.N.: OC20511-5

Signed: Charley Dong

Date: July 9, 2018

9895

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
			4403-34J	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403N4	Regulator	4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			3403A-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV404B SER	Regulator	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
			3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403TR	Regulator	3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
			3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403TRH	Regulator	3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
			3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403TRL	Regulator	3403-1	Zinc Die Casting ASTM B86	150	165	-40
			3403-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403UR	Regulator	3403-1	Zinc Die Casting ASTM B86	150	165	-40
			3403-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403VR	Regulator	3403A-1C	Zinc Die Casting ASTM B86	150	165	-40
			3403-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV4289-10	Regulator	4403-1J	Zinc Die Casting ASTM B86	150	165	-40
			4403-34J	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403VR	Regulator	4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4289-10	Regulator	4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-12A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403B SER	Regulator	4403-34J	Zinc Die Casting ASTM B86	150	165	-40
			4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV440366L SER	Regulator					

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Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	LV4403B4HDLP	Regulator	4403-1J	Zinc Die Casting ASTM B86	150	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403BR	Regulator	4403-R	Zinc Die Casting ASTM B86	150	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1MP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403B66RA	Regulator	4403-32C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-34KP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403K	Regulator	4403-12K	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403H	Regulator	4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-12A	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
C	LV4403C2H42	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-20	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403M2	Regulator	4403-12A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403SR	Regulator	4403-16	Zinc Die Casting ASTM B86	150	165	-40
			4403-16A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403T	Regulator	4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40

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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
			4403-1JP	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	LV4403Y	Regulator	4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	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
C	LV4403XR	Regulator	4403-16B	Zinc Die Casting ASTM B86	150	165	-40
			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
C	LV5503G4	Regulator	4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			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
C	LV5503B	Regulator	5503-35C	Zinc Die Casting ASTM B86	150	165	-40
			5503-35D	Zinc Die Casting ASTM B86	150	165	-40
C	LV5503H	Regulator	5503-35C	Zinc Die Casting ASTM B86	150	165	-40

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
			LV4403-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV404Y9	Regulator	C404-2	Brass Forging Alloy, ASTM B283	250	165	-40
			3403A-1A	Zinc Die Casting ASTM B86	150	165	-40
			C404-2	Brass Forging Alloy, ASTM B283	250	165	-40
			3403A-1A	Brass Forging Alloy, ASTM B283	250	165	-40
C	LV404B39	Regulator	C404-1	Zinc Die Casting ASTM B86	150	165	-40
			3403A-1A	Zinc Die Casting ASTM B86	150	165	-40
			C404-1	Zinc Die Casting ASTM B86	250	165	-40
			3403A-1B	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403B	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
			LEX7579-1	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	8530	Delta Port	6579-1E	Brass Rod UNS C36000, ASTM B16	250	165	-40
			7579-1E	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	7579	Filler Valve	7579-2A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			7579-7	Brass Rod UNS C36000, ASTM B16	250	165	-40

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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
C	FA6016	ESV	FA6010-2	Ductile Iron ASTM A395	400	165	-40
C	FA6024	ESV	FA6016-1	Ductile Iron ASTM A395	400	165	-40
C	FA6024	ESV	FA6016-2	Ductile Iron ASTM A395	400	165	-40
C	FVA6010	ESV	FA6024-1	Ductile Iron ASTM A395	400	165	-40
C	FVA6016	ESV	FA6024-2	Ductile Iron ASTM A395	400	165	-40
C	FVA6024	ESV	FA6010-1	Ductile Iron ASTM A395	400	165	-40
C	VA6010	ESV	FA6010-2	Ductile Iron ASTM A395	400	165	-40
C	VA6016	ESV	FA6016-1	Ductile Iron ASTM A395	400	165	-40
C	VA6024	ESV	FA6016-2	Ductile Iron ASTM A395	400	165	-40
C	AR4106A SER	Relief Valve	FA6024-1	Ductile Iron ASTM A395	400	165	-40
C	AR4106A SER	Relief Valve	FA6024-2	Ductile Iron ASTM A395	400	165	-40
C	AR4108A SER	Relief Valve	A6010-1	Ductile Iron ASTM A395	400	165	-40
C	AR4108A SER	Relief Valve	6016-1D	Ductile Iron ASTM A395	400	165	-40
C	AR4108A SER	Relief Valve	6024-1A	Ductile Iron ASTM A395	400	165	-40
C	AR4108A SER	Relief Valve	AR4106A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-40
C	AR4108A SER	Relief Valve	AR4106A-20	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4108A SER	Relief Valve	AR4106A-3	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4108A SER	Relief Valve	AR4106A-2	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4108A SER	Relief Valve	AR4108A-1	FC Stainless Steel, UNS C30300, ASTM A581/582/A314	600	165	-320
C	AR4108A SER	Relief Valve	AR4108A-20	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4108A SER	Relief Valve	AR4108A-3	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4108A SER	Relief Valve	AR4108A-2	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	BB9408T		BB9408T-1CA	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320

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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
C	2554-1	Globe Valve	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
			2554-6A	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4104A SER	Relief Valve	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
			BB9404T-1CA	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
C	BB9404T	Globe Valve	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
			BB9404-1CA	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
C	BB9404S	Globe Valve	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
			BB9408-1CA	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
C	BB9408S	Globe Valve	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

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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, U NS S30403, ASME A249	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
			BB9416T-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
C	BB9402S	Globe Valve	B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9404-1CB	Bronze Cast Alloy, UNS C92200, ASTM B61/584	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
			452538-12	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9409F-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
C	BB9412F	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, U NS S30403, ASME A249	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
			BB9416T-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	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	BB9416T	Globe Valve	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
			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, U NS S30403, ASME A249	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
			BB9416T-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
			B9410-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320

THIS IS PART OF

CRN DC 2051105

Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)			
C	BB9412S	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			
			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			
			BB9412-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320			
C	BB9412T	Globe Valve	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			
			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 Forge, 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			
			BB9416F-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320			
C	BB9416F	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			
			AR4112A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320			
			C	AR4112A SER	Relief Valve	AR4112A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320

THIS IS PART OF
CRN DC20511.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Division

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 DC 20511.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Division



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 22, 2020

ZAC RUBEOR
ENGINEERED CONTROLS INTERNATIONAL LLC
100 REGO DR
ELON NC 27244
US

Service Request Type: BPV-Fitting Registration
Service Request No.: 2836278
Your Reference No.:
Registered to: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear ZAC RUBEOR,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0C20511.5ADD1
Main Design No.: ADD OF MFG LOCATION (CHINA) ONLY

Expiry Date: 09-Jul-2028

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

A stamped copy of the approved registration and invoice for engineering services will be sent to you shortly. Should you have any questions or require further assistance, however, 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,

Zivko Gacevic P. Eng.
Mechanical Engineer, BPV
Tel.: 416-734-3429
Fax: 416-231-6183
Email: zgacevic@tssa.org



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



STATUTORY DECLARATION Registration of Fittings

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

of _____
(Name of Manufacturer)

Located at _____
(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

(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 _____ which has been verified by the following authority, _____.

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

(drawings, calculations, test reports, etc.)

Declared before me at _____ in the _____ of _____
 the _____ day of _____ AD 20_____.

Commissioner for Oaths:

(Printed name)

(Signature)

(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 'C'.

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: Jul. 09, 2028

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0C20511.5ADD1

Signed:

Date: May 22, 2020.

Registered Manufacturing Locations for CRN **0C20511.5**

All CRNs should be assigned to **Engineered Controls International LLC**, but some subsidiary companies may be listed on the attached quality certificates. For simplicity, the subsidiary's name is also listed in this document in association with its manufacturing location.

1. Engineered Controls International LLC (ECII) – 100 Rego Drive, Elon, NC 27244, USA
2. Shanghai Rego Flow Technology Co., Ltd. (ECII China) – 6999 Chuansha Rd., B11, Chuansha Industry Park Shanghai, China

THIS IS PART OF CRN
0C20511.5ADD1
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

June 10, 2020

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2020-02971, originally received on June 08, 2020 was surveyed and accepted for registration as follows:

CRN : 0C20511.52 **Accepted on:** June 10, 2020
Reg Type: ADDITION TO ACC. FITTING **Expiry Date:** July 09, 2028
Drawing No. : ADDITION OF MANUFACTURING LOCATION (CHINA)
Fitting type: REGULATORS & VALVES

Design registered in the name of : ENGINEERED CONTROLS INTERNATIONAL LLC

The registration is conditional on your compliance with the following notes:

- ** The Scope of this Registration include adding a manufacturing location (Shanghai Rego Flow Technology Co, China) only. There is no design change, nor any scope change.*
- ** Engineered Controls International LLC being the owner of the design, are responsible for the quality of this product and warranty per Engineered Controls International LLC's terms and conditions.*
- ** Engineered Controls International LLC is in control and fully responsible for the conformity, compliance and certification of the fittings (manufactured by Shanghai Rego Flow Technology Co.) subjected to this registration*

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is ASME B31.1.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- 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.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,



June 10, 2020

DICK, ASHLING, P. Eng.
DOP Cert. No. D00007936



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

Clear Form

Print Form

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



STATUTORY DECLARATION Registration of Fittings

I, Zachary Rubeor, Design Engineer
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Engineered Controls International LLC
(Name of Manufacturer)

Located at See List of Manufacturing Locations 1-336-446-7219
(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 B31.1

(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 _____ 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 _____ in the _____ of _____
the _____ day of _____ AD 20_____.

Commissioner for Oaths:

(Printed name)

(Signature)

(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: _____

2020-02971

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0C20511.52

See acceptance letter for conditions of registration.

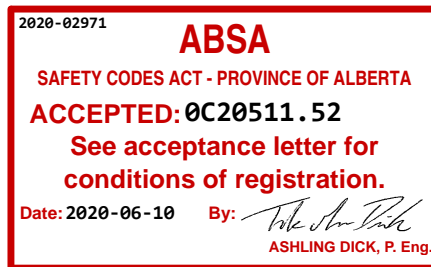
Date: 2020-06-10 By:
ASHLING DICK, P. Eng.

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Registered Manufacturing Locations for CRN **0C20511.5**

All CRNs should be assigned to **Engineered Controls International LLC**, but some subsidiary companies may be listed on the attached quality certificates. For simplicity, the subsidiary's name is also listed in this document in association with its manufacturing location.

1. Engineered Controls International LLC (ECII) – 100 Rego Drive, Elon, NC 27244, USA
2. Shanghai Rego Flow Technology Co., Ltd. (ECII China) – 6999 Chuansha Rd., B11, Chuansha Industry Park Shanghai, China



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

REGISTRATION OF A PRESSURE FITTING DESIGN

26-Aug-20

TSSA
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

Attention: Tanya Francis

File Number: 11645 [0 F]

Re: Manufacturer: Engineered Controls International, LLC
Item: Valves
Catalog or Drawing: Original Scope of Registration & List of Manufacturing Locations

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OC20511.53 Expiry Date: July 9, 2028

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,



Athan Syrgiannis, P.Eng.
Codes and Standards Compliance

Remarks:

A valid quality control program must be maintained at the production facilities for the fitting registration to remain valid until the expiry date.

This registration includes the addition of manufacturing locations as well as the original registered design which was not previously registered in Saskatchewan.

Due to COVID-19 restrictions, this registration is conditional based on TSASK receiving a valid Statutory Declaration that has been witnessed and signed by a Commissioner of Oaths or a Notary Public at your earliest convenience.



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



STATUTORY DECLARATION Registration of Fittings

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

of _____
(Name of Manufacturer)

Located at _____
(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

_____ *(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 _____ which has been verified by the following authority, _____.

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

_____ *(drawings, calculations, test reports, etc.)*

Declared before me at _____ in the _____ of _____
 the _____ day of _____ AD 20_____.

Commissioner for Oaths:

_____ *(Printed name)*

_____ *(Signature)*



_____ *(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: _____



Technical Safety Authority
of Saskatchewan

Registration No. OC20511.53

File No. 11645

Registered

Date: August 26, 2020

Expiry Date: July 9, 2028

Codes & Standards Compliance Office

NOTE: This registration expires on: _____

Registered Manufacturing Locations for CRN **OC20511.5**

All CRNs should be assigned to **Engineered Controls International LLC**, but some subsidiary companies may be listed on the attached quality certificates. For simplicity, the subsidiary's name is also listed in this document in association with its manufacturing location.

1. Engineered Controls International LLC (ECII) – 100 Rego Drive, Elon, NC 27244, USA
2. Shanghai Rego Flow Technology Co., Ltd. (ECII China) – 6999 Chuansha Rd., B11, Chuansha Industry Park Shanghai, China

	Technical Safety Authority of Saskatchewan
Registration No.	OC20511.53
File No.	11645
	<input type="button" value="Registered"/>
Date:	August 26, 2020
Expiry Date:	July 9, 2028
Codes & Standards Compliance Office	

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
C	LV440366L SER	Regulator	4403-12A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-34J	Zinc Die Casting ASTM B86	150	165	-40
			4403-20C	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

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	LV4403B4HDLP	Regulator	4403-1J	Zinc Die Casting ASTM B86	150	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403BR	Regulator	4403-R	Zinc Die Casting ASTM B86	150	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403B66RA	Regulator	4403-1MP	Zinc Die Casting ASTM B86	150	165	-40
			4403-32C	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403K	Regulator	4403-34KP	Zinc Die Casting ASTM B86	150	165	-40
			4403-12K	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403H	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-12A	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
C	LV4403C2H42	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403C	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-20	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403M2	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-12A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403SR	Regulator	4403-1JP	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
			4403-16A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403T	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			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

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
			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
C	LV4403V	Regulator	4403-1JP	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
			4403-16C	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403V	Regulator	4403-1JP	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
	LV4403Y	Regulator	4403-1JP	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
C	LV4403YR	Regulator	4403-R	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
C	LV5503C	Regulator	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
C	LV5503G4	Regulator	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
C	LV5503H	Regulator	5503-35C	Zinc Die Casting ASTM B86	150	165	-40

THIS IS PART OF
CRN DC 20591.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

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	Brass Forging Alloy, ASTM B283	250	165	-40
C	LV404B39	Regulator	3403A-1A	Zinc Die Casting ASTM B86	150	165	-40
			C404-2	Brass Forging Alloy, ASTM B283	250	165	-40
C	LV404B34	Regulator	3403A-1A	Zinc Die Casting ASTM B86	150	165	-40
			C404-1	Zinc Die Casting ASTM B86	250	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

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
 CRN DC20511-5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Division

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
		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
C	2554A SER	Globe Valve	2554-1	Copper Alloy Castings, UNS C83600, ASTM B62/B584	600	165	-320
			2554-6A	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4104A SER	Relief Valve	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

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CRN DC2051105
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9406T	Globe Valve	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
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9416T	Globe Valve	BB9416T-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
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9402S	Globe Valve	BB9404-1CB	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 Forge, B283, UNS C37700	720	165	-320
			B-9402-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			452538-12	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9412F	Globe Valve	BB9409F-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	BB9406S	Globe Valve	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
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9416T		BB9416T-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320

THIS IS PART OF
CRN DC 20511.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

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 Forge, 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

THIS IS PART OF
CRN DC20511.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Division

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
			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
C	BB9416S	Globe Valve	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 DC20511.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Division



Technical Safety Authority
of Saskatchewan

Registration No. OC20511.53

File No. 11645

Registered

Date: August 26, 2020

Expiry Date: July 9, 2028

Codes & Standards Compliance Office



6/19/2020

TSSA
345 Carlington Drive
Toronto, ONT, M9C1A3
CA

Dear Cecylia Garbacz

Re: Reciprocal CRN Registration in Manitoba

Your application indicates that a CRN has been received in another Canadian Jurisdiction, and therefore your CRN has been registered in Manitoba as follows:

File Number: 74-R734
CRN: 0C20511.5ADD1
Scope: ∴ ADD OF MFG LOCATION (CHINA) ONLY
Manufacturer: ENGINEERED CONTROLS INTERNATIONAL LLC.
Expiry Date: 9/Jul/28

Please find attached invoice for registration.

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, a CRN issued in any Canadian Jurisdiction will be accepted for use in Manitoba.

In accordance with Steam and Pressure Plants Regulation and CSA B51, it is the manufacturer's responsibility to file a Manufacturers Data Report, including partial data reports, with our office, prior to shipping pressure equipment to Manitoba.

Please contact me directly via email at Cheryl.Lashek@gov.mb.ca for any questions or concerns.

Cheryl Lashek, P.Eng
Director, ITSM
Inspection and Technical Services
Office of the Fire Commissioner
508 - 401 York Avenue, Winnipeg Manitoba R3C 0P8
T (204) 945-3507 | F (204) 948-2309

Montréal, le 31 août 2020.

MRS. TANYA FRANCIS
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W 6N9

Manufacturer : ENGINEERED CONTROLS INTERNATIONAL INC.
100 REGO DRIVE
ELON NORTH CAROLINA
U.S.A. 27244

OUR REFERENCE : 951051
Design number : ORIGINAL SCOPE OF REGISTRATION &
LIST OF MANUFACTURING LOCATIONS

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0C20511.56**.

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each equipment manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7ième étage
Montréal (Québec) H2M 2V2
Téléphone : 514 873-6459
Sans frais : 1 866 262-2084
www.rbq.gouv.qc.ca

Montréal, 31 août 2020.

MADAME TANYA FRANCIS
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W 6N9

Fabricant : ENGINEERED CONTROLS INTERNATIONAL INC.
100 REGO DRIVE
ELON NORTH CAROLINA
U.S.A. 27244

Numéro de dossier : 951051
Numéro(s) de dessin(s) : ORIGINAL SCOPE OF REGISTRATION &
LIST OF MANUFACTURING LOCATIONS

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0C20511.56**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Bureau d'expertise et d'homologation en équipements sous pression



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



STATUTORY DECLARATION Registration of Fittings

I, Zachary Rubeor, Design Engineer
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Engineered Controls International LLC
(Name of Manufacturer)

Located at See List of Manufacturing Locations 1-336-446-7219
(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 B31.1

(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 _____ 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 _____ in the _____ of _____

the _____ day of _____ AD 20_____.

Commissioner for Oaths:

(Printed name)

(Signature)

(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: _____



Registered Manufacturing Locations for CRN **0C20511.5**

All CRNs should be assigned to **Engineered Controls International LLC**, but some subsidiary companies may be listed on the attached quality certificates. For simplicity, the subsidiary's name is also listed in this document in association with its manufacturing location.

1. Engineered Controls International LLC (ECII) – 100 Rego Drive, Elon, NC 27244, USA
2. Shanghai Rego Flow Technology Co., Ltd. (ECII China) – 6999 Chuansha Rd., B11, Chuansha Industry Park Shanghai, China



989S

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
			4403-12A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV440366L SER	Regulator	4403-34J	Zinc Die Casting ASTM B86	150	165	-40
			4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40

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Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	LV4403B4HDLP	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	LV4403M2	Regulator	4403-34KP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403SR	Regulator	4403-12K	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403T	Regulator	4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-12A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-16	Zinc Die Casting ASTM B86	150	165	-40
			4403-16A	Zinc Die Casting ASTM B86	150	165	-40
			4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-34JP	Zinc Die Casting ASTM B86	150	165	-40

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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			
			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			
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			
			4403-16B	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			
			4403-16B	Zinc Die Casting ASTM B86	150	165	-40			
C	LV4403YR	Regulator	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			
			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			
			5503-35C	Zinc Die Casting ASTM B86	150	165	-40			
C	LV5503C	Regulator	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			
			C	LV5503G4	Regulator	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
C	LV5503H	Regulator				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

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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	Brass Forging Alloy, ASTM B283	250	165	-40
C	LV404B39	Regulator	3403A-1A	Zinc Die Casting ASTM B86	150	165	-40
			C404-2	Brass Forging Alloy, ASTM B283	250	165	-40
C	LV404B34	Regulator	3403A-1A	Zinc Die Casting ASTM B86	150	165	-40
			C404-1	Zinc Die Casting ASTM B86	250	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

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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
C	FA6016	ESV	FA6010-2	Ductile Iron ASTM A395	400	165	-40
C	FA6024	ESV	FA6016-1	Ductile Iron ASTM A395	400	165	-40
C	FVA6010	ESV	FA6016-2	Ductile Iron ASTM A395	400	165	-40
C	FVA6016	ESV	FA6024-1	Ductile Iron ASTM A395	400	165	-40
C	FVA6024	ESV	FA6024-2	Ductile Iron ASTM A395	400	165	-40
C	VA6010	ESV	FA6010-1	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

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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
			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
C	AR4104A SER	Relief Valve	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
			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
			BB9404-1CA	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
C	BB9404S	Globe Valve	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
			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
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

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Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	BB9406T	Globe Valve	B9402-8 BB9406T-1 B8402-11 458451-22 BB9408-2 B9402-8 BB9416T-1C 222X16-22P	FC Brass Rod, UNS C36000, ASTM B16 Bronze Cast Alloy, UNS C92200, ASTM B61/B584 FC Brass Rod, UNS C36000, ASTM B16 304L SS Rod, UNS S30403, ASME A249 Yellow Brass Forging, UNS C37700, ASTM B283 FC Brass Rod, UNS C36000, ASTM B16 Bronze Cast Alloy, UNS C92200, ASTM B61/584 304L Stainless Steel, UNS C30403, ASTM A249/A269	720 720 720 720 720 720 720 720	165 165 165 165 165 165 165 165	-320 -320 -320 -320 -320 -320 -320 -320
C	BB9416T	Globe Valve	B9416-10 BB9416-2 B9402-8 BB9404-1CB 458450-22	FC Brass Rod, UNS C36000, ASTM B16 Yellow Brass Forging, UNS C37700, ASTM B283 FC Brass Rod, UNS C36000, ASTM B16 Bronze Cast Alloy, UNS C92200, ASTM B61/584 304L Stainless Steel, UNS C30403, ASTM A249/A269	720 720 720 720 720	165 165 165 165 165	-320 -320 -320 -320 -320
C	BB9402S	Globe Valve	BB-9404-2F B-9402-11 452538-12 BB9409F-1C 458432-22	Yellow Brass Forge, B283, UNS C37700 FC Brass Rod, UNS C36000, ASTM B16 FC Brass Rod, UNS C36000, ASTM B16 Bronze Cast Alloy, UNS C92200, ASTM B61/584 304L Stainless Steel, UNS C30403, ASTM A249/A269	720 720 720 720 720	165 165 165 165 165	-320 -320 -320 -320 -320
C	BB9412F	Globe Valve	B9410-11 BB9409-20 B9410-2 BB9406S-1 B8402-11 458451-22 BB9408-2 B9402-8 BB9416T-1C	FC Brass Rod, UNS C36000, ASTM B16 Yellow Brass Forging, UNS C37700, ASTM B283 FC Brass Rod, UNS C36000, ASTM B16 Bronze Cast Alloy, UNS C92200, ASTM B61/B584 FC Brass Rod, UNS C36000, ASTM B16 304L SS Rod, UNS S30403, ASME A249 Yellow Brass Forging, UNS C37700, ASTM B283 FC Brass Rod, UNS C36000, ASTM B16 Bronze Cast Alloy, UNS C92200, ASTM B61/584	720 720 720 720 720 720 720 720 720	165 165 165 165 165 165 165 165 165	-320 -320 -320 -320 -320 -320 -320 -320 -320
C	BB9406S	Globe Valve	BB9406S	FC Brass Rod, UNS C36000, ASTM B16 304L SS Rod, UNS S30403, ASME A249 Yellow Brass Forging, UNS C37700, ASTM B283	720 720 720	165 165 165	-320 -320 -320
C	BB9416T	Globe Valve	B9416-10 BB9416-2 B9402-8 BB9404-1CB 458450-22	FC Brass Rod, UNS C36000, ASTM B16 Yellow Brass Forging, UNS C37700, ASTM B283 FC Brass Rod, UNS C36000, ASTM B16 Bronze Cast Alloy, UNS C92200, ASTM B61/584 304L Stainless Steel, UNS C30403, ASTM A249/A269	720 720 720 720 720	165 165 165 165 165	-320 -320 -320 -320 -320

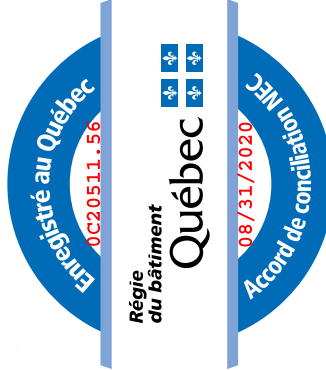
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Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
		Globe Valve	222X16-22P	304L Stainless Steel, UNS C30403, ASTM A249/A269	720	165	-320
			B9416-10	FC Brass Rod, UNS C36000, ASTM B16	720	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 Forge, 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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 Boilers & Pressure Vessels
 Safety Division

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
			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
C	BB9416S	Globe Valve					

THIS IS PART OF
CRN DC20511.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Division




UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: Engineered Controls International LLC	
Manufacturers Address: 100 Rego Drive, Elon, NC 27244, USA	
Plant Locations: See List of Manufacturing Locations	
<p align="center">Category of Fittings to be registered. Circle one Category only</p> <p>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 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 protection on boilers, 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 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)</p>	<p align="center">Title of the Standard of Construction</p> <p align="center">ASME B31.1</p>
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <div style="display: flex; justify-content: space-between;">  <div style="width: 60%;"> <p align="center">Type of Construction</p> <p>Forged <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other:</p> </div> </div>	
<p>List of supporting documentation and identification of the actual items to be registered:</p> <p>See attached documents</p>	

Declaration:

I Zachary Rubeor (see note 3) employed by ECII 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 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 UL Inc. 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: Zach Rubeor Digitally signed by Zach Rubeor
Date: 2020.04.16 14:09:24 -0400

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

Use this space for the Official Seal

<p>CRN: <u>0C20511.5 Add1</u></p> <p>FID#: <u>1704</u></p> <p>Notes:</p> <ol style="list-style-type: none"> All Fittings shall be registered in the name of the Manufacturer. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. Quality Control programs shall be resubmitted for validation. <p>11/2016 Addition of plant location in Shanghai, China.</p> <p>CRN expires July 9, 2028 -DG</p>	<p align="center"><small>This space for Regulatory Authority use.</small></p> <p align="center">This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p align="center">ACCEPTED</p> <p align="center">PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT</p> <p>C.R.N. <u>0C20511.59 Add1</u></p> <p>DATE: <u>June 19/20</u></p> <p align="center">INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH</p> <p align="right"><small>Sect 1.0 - Fittings Rev.2</small></p>
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
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Newfoundland and Labrador

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Show Manufacturers Name, Trademark, or Logo as it will appear on the product	
	<p align="center">Type of Construction</p> <p>Forged <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other:</p>
List of supporting documentation and identification of the actual items to be registered:	
See attached documents	

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Signature of Declarer: Zach Rubeor Digitally signed by Zach Rubeor
Date: 2020.04.10 14:09:24 -0400

Declared before me at _____

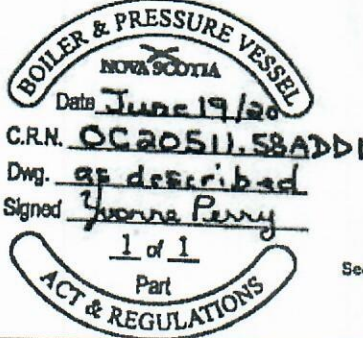
This _____ day of _____ AD _____

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

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<p align="center">This space for Regulatory Authority use.</p> <p align="center">This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>0C20511.5 Add1</u></p> <p>FID#: <u>1704</u></p> <p>Notes:</p> <ol style="list-style-type: none"> All Fittings shall be registered in the name of the Manufacturer. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. Quality Control programs shall be resubmitted for validation. <p>11/2016 Addition of plant location in Shanghai, China. CRN expires July 9, 2028 - DG</p>	 <p align="right">Sect 10 - Fittings Rev.2</p>
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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 Labrador

Manufacturers Name: Engineered Controls International LLC	
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Plant Locations: See List of Manufacturing Locations	
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Signature of Declarer: Zach Rubeor Digitally signed by Zach Rubeor
Date: 2020.04.16 14:09:24 -04'00'

Declared before me at _____


This _____ day of _____ AD _____

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

Use this space for the Registrar's Seal




**DEPT OF JUSTICE PUBLIC SAFETY
BOILER & PRESSURE VESSEL ACT**

REGISTRATION ONLY

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

CRN 0C20511.57Add1


CHIEF BOILER INSPECTOR

DATE 6/19/20

BLRs PVs

FITTINGS NUCLEAR COMPONENTS

CRN: 0C20511.5 Add1

FID#: 1704

Notes:

- All Fittings shall be registered in the name of the Manufacturer.
- Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality Control programs shall be resubmitted for validation.

Addition of plant location in Shanghai, China.

11/2016

CRN expires July 9, 2028 - DG


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: Engineered Controls International LLC	
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Plant Locations: See List of Manufacturing Locations	
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Signature of Declarer: Zach Rubeor Digitally signed by Zach Rubeor
Date: 2020.04.16 14:09:24 -04'00'

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

Use this space for the Official Seal

<p align="center">This space for Regulatory Authority use.</p> <p align="center">This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>OC20511.5 Add1</u></p> <p>FID#: <u>1704</u></p> <p>Notes:</p> <ol style="list-style-type: none"> All Fittings shall be registered in the name of the Manufacturer. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. Quality Control programs shall be resubmitted for validation. <p align="center">Addition of plant location in Shanghai, China.</p> <p>11/2016 CRN expires July 9, 2028 - DG</p>	<p>Newfoundland Labrador Service NL</p> <p>Registered <u>OC20511.50 Add.1</u> Date <u>20/06/24</u> Engineering and Inspection Services Registered by <u>[Signature]</u></p> <p>UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS</p>
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
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Northwest Territories

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Signature of Declarer: Zach Rubeor Digitally signed by Zach Rubeor
Date: 2020.04.16 14:09:24 -0400

Declared before me at _____

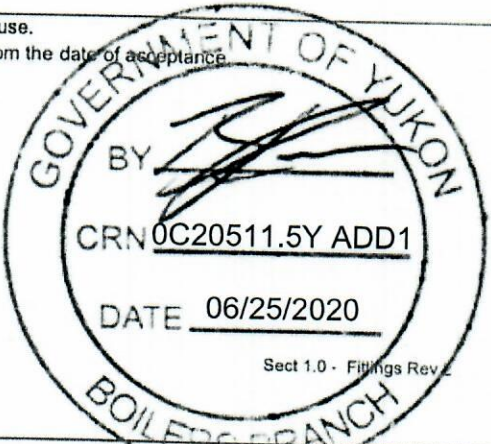
This _____ day of _____ AD _____

Commissioner of Oaths

Or Notary Public: (sign) _____

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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
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<p>List of supporting documentation and identification of the actual items to be registered:</p> <p>See attached documents</p>	

Declaration:

I Zachary Rubear (see note 3) employed by ECII 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 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 UL Inc. 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: Zach Rubear Digitally signed by Zach Rubear
Date: 2020.04.16 14:09:24 -0400

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

Use this space for the Official Seal

This space for Regulatory Authority use.
 This registration must be revalidated after ten (10) years from the date of _____.


CRN: 0C20511.5 Add1

FID#: 1704

Notes:

- All Fittings shall be registered in the name of the Manufacturer.
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- Quality Control programs shall be resubmitted for validation.

11/2016 Addition of plant location in Shanghai, China.
 CRN expires July 9, 2028 - DG



Northwest Territories

REGISTERED
 UNDER THE AUTHORITY OF
 THE BOILER AND PRESSURE
 VESSEL ACT.

C.R.N. 0C20511.5T Add1
 SIGNED [Signature] Sept 1.0 - Fittings Rev.2
 DATE June 23 2020

82-00


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

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Show Manufacturers Name, Trademark, or Logo as it will appear on the product	
	Type of Construction Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other:
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Date: 2020.04.16 14:00:24 -0400

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths

Or Notary Public: (sign) _____

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CRN: 0C20511.5 Add1

FID#: 1704

Notes

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Addition of plant location in Shanghai, China
11/2016
CRN expires July 9, 2028 - DG

 NUNAVUT Boilers and Pressure Vessels Act	
REGISTERED	
CRN	<u>0C20511, 5NAdd1</u>
Date	<u>June 18, 2020</u>
Signed	<u>[Signature]</u> Chief Inspector
Territorial Registration Fee <small>Sect 1.0 - Fittings Rev 2</small>	



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

September 12, 2018

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

Service Request Type.: BPV-National BC
Service Request No.: 2349244
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.: 0C20511.51.

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,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org

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

Date: July 19, 2018
Account #: 35231
Journal #: 71143

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2349244, for a Fitting is accepted for registration as follows:

Registered To: ENGINEERED CONTROLS INTERNATIONAL LLC **CRN:** 0C20511.51

MAWT: 165 deg F

MAWP: 150 psig

Drawing #: Per 9 Page Scope List

Conditions Of Registration:

Registration of Regulators & Valves as per attached scope of registration sheets (9 pages).

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:

MDMT: -20 Deg F to -320 Deg F. As required by CSA B51 4.2.1, this registration expires on July 09, 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@technicalsaftybc.ca
Design Administration

cc:



CRN #: OC20511.51

Date: JULY 19, 2018
 Body Material: 71143

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
			4403-1J	Zinc Die Casting ASTM B86	250	165	-40
C	5754B4	Regulator	4403-34J	Zinc Die Casting ASTM B86	250	165	-40
			4403-1J	Zinc Die Casting ASTM B86	250	165	-40
			4403-4B	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
C	LV404B34	Regulator	C404-2	Brass Forging Alloy, ASTM B283	250	165	-40
			3403A-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403K	Regulator	C404-1	Zinc Die Casting ASTM B86	150	165	-40
			3403-1BSP	Zinc Die Casting ASTM B86	250	165	-40
C	LV3403TR	Regulator	3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
			3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403TRH	Regulator	3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
			3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403TRL	Regulator	3403-1BSP	Zinc Die Casting ASTM B86	150	165	-40
			3403-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403UR	Regulator	3403-1	Zinc Die Casting ASTM B86	150	165	-40
			3403-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403VR	Regulator	3403-1	Zinc Die Casting ASTM B86	150	165	-40
			3403A-1C	Zinc Die Casting ASTM B86	150	165	-40
C	LV4289-10	Regulator	3403A-1C	Zinc Die Casting ASTM B86	150	165	-40
			3403-1	Zinc Die Casting ASTM B86	150	165	-40
C	LV3403VR	Regulator	4403-1J	Zinc Die Casting ASTM B86	150	165	-40
			4403-34J	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403B SER	Regulator	4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4289-10	Regulator	4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-12A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV3403VR	Regulator	4403-34J	Zinc Die Casting ASTM B86	150	165	-40
			4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40

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CRN #: OC 20511.51

Date: JULY 19, 2018

Body Material: 71143

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)
C	LV4403B4HDLP	Regulator	4403-1J	Zinc Die Casting ASTM B86	150	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403BR	Regulator	4403-R	Zinc Die Casting ASTM B86	150	165	-40
			4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20C	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1MP	Zinc Die Casting ASTM B86	150	165	-40
			4403-32C	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403K	Regulator	4403-34KP	Zinc Die Casting ASTM B86	150	165	-40
			4403-12K	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403H	Regulator	4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-12A	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
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403C	Regulator	4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-34JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-20	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-20A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403M2	Regulator	4403-20B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-12A	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
C	LV4403SR	Regulator	4403-1JP	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
			4403-16A	Brass Rod UNS C36000, ASTM B16	250	165	-40
C	LV4403T	Regulator	4403-16B	Brass Rod UNS C36000, ASTM B16	250	165	-40
			4403-1JP	Zinc Die Casting ASTM B86	150	165	-40
			4403-34JP	Zinc Die Casting ASTM B86	150	165	-40

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BC #/ Body-Material: 71143

Category	System Number	Description	Body Number	BC #/ 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
			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
C	LV4403Y	Regulator	4403-16B	Zinc Die Casting ASTM B86	150	165	-40
			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
			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
C	LV5503C	Regulator	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
			5503-35C	Zinc Die Casting ASTM B86	150	165	-40
C	LV5503B	Regulator	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	LV5503H	Regulator	5503-35C	Zinc Die Casting ASTM B86	150	165	-40

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 Date: JULY 19, 2018

Body Material: 71143

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

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CRN #: OC20511.51

Date: JULY 19, 2018

BC #: 71143
 Body Material

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
C	FA6016	ESV	FA6010-2	Ductile Iron ASTM A395	400	165	-40
C	FA6016	ESV	FA6016-1	Ductile Iron ASTM A395	400	165	-40
C	FA6024	ESV	FA6016-2	Ductile Iron ASTM A395	400	165	-40
C	FA6024	ESV	FA6024-1	Ductile Iron ASTM A395	400	165	-40
C	FVA6010	ESV	FA6024-2	Ductile Iron ASTM A395	400	165	-40
C	FVA6010	ESV	FA6010-1	Ductile Iron ASTM A395	400	165	-40
C	FVA6016	ESV	FA6010-2	Ductile Iron ASTM A395	400	165	-40
C	FVA6016	ESV	FA6016-1	Ductile Iron ASTM A395	400	165	-40
C	FVA6024	ESV	FA6016-2	Ductile Iron ASTM A395	400	165	-40
C	FVA6024	ESV	FA6024-1	Ductile Iron ASTM A395	400	165	-40
C	VA6010	ESV	FA6024-2	Ductile Iron ASTM A395	400	165	-40
C	VA6016	ESV	A6010-1	Ductile Iron ASTM A395	400	165	-40
C	VA6024	ESV	6016-1D	Ductile Iron ASTM A395	400	165	-40
C	AR4106A SER	Relief Valve	6024-1A	Ductile Iron ASTM A395	400	165	-40
C	AR4108A SER	Relief Valve	AR4106A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-40
C	AR4108A SER	Relief Valve	AR4106A-20	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4108A SER	Relief Valve	AR4108A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4108A SER	Relief Valve	AR4108A-20	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4108A SER	Relief Valve	AR4108A-3	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320
C	AR4108A SER	Relief Valve	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

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CRN #: 0C20511.51

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Body Material 71143

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
C	AR4104A SER	Relief Valve	2554-1	Copper Alloy Castings, UNS C83600, ASTM B62/B584	600	165	-320
			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
C	BB9404T	Globe Valve	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
			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
C	BB9404S	Globe Valve	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
			BB9404-1CA	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320
C	BB9408S	Globe Valve	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	BB9408-1CA	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

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CRN #: OC20511.51

Date: JULY 19, 2018

BC J#: 71143
 Body Material

Category	System Number	Description	Body Number	BC J#: 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, U NS S30403, ASME A249	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
			BB9416T-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
C	BB9416T	Globe Valve	B9416-10	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9416-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9404-1CB	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 Forge, B283, UNS C37700	720	165	-320
			B-9402-11	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			452538-12	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
C	BB9412F	Globe Valve	BB9409F-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
			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, U NS S30403, ASME A249	720	165	-320
C	BB9406S	Globe Valve	BB9408-2	Yellow Brass Forging, UNS C37700, ASTM B283	720	165	-320
			B9402-8	FC Brass Rod, UNS C36000, ASTM B16	720	165	-320
			BB9416T-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320

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TECHNICAL SAFETY BC

CRN #: DC20511.51
 Date: JULY 19, 2018

PC # 71143
 Body Material

Category	System Number	Description	Body Number	Body Material	Service Pressure (Psi)	Max Temp (F)	Min Temp (F)			
C	BB9412S	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			
			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			
			BB9412-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320			
C	BB9412T	Globe Valve	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			
			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 Forge, 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			
			BB9416F-1C	Bronze Cast Alloy, UNS C92200, ASTM B61/584	720	165	-320			
C	BB9416F	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			
			AR4112A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320			
			C	AR4112A SER	Relief Valve	AR4112A-1	FC Brass Rod, UNS C36000, ASTM B16	600	165	-320

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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

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