



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1 877 682 8772

www.tssa.org

January 18, 2017

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

Service Request Type: BPV-Fitting Registration

Service Request No.: 2000502

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.: 0H19102.5

Main Design No.: Dwg. No. MVE2D Rev. H, Manifold 1" Fill

Expiry Date: 18-Jan-2027

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

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mark Valcic P. Eng.
Engineer BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org



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

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

REGO®

STATUTORY DECLARATION Registration of Fittings

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

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

of **ENGINEERED CONTROLS INTERNATIONAL, LLC**

(Name of Manufacturer)

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

(Plant Address)

336-449-7707

(Telephone No.)

(Fax No.)

☒ 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**

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

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

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

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

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

SEE ATTACHED LIST

(drawings, calculations, test reports, etc.)

Declared before me at **Engineered Controls Int'l/Elon** in the County of **Alamance, NC**

the **16th** day of **December** AD 20**16**.

Commissioner for Oaths:

Marisa E. Elliott

(Printed name)

Marisa E. Elliott

(Signature)

Chad M. Thomas

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category **H1**

CRN:

OH19102.5

Registered by:

MARK VALCIC, P.ENG

Dated:

JAN 18, 2017

NOTE: This registration expires on:

JAN 18, 2027

By **NOTE: DWG. No. MVED Rev. H, MANIFOLD I**

Colby

JAN 18, 2017

**MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA**

My Commission expires 8/31/2021

REGISTERED
Technical Standards and Safety Authority
Boilers Vessels Pressure Program

OH19102.5

CRN: OH19102.5

Signature

Date: JAN 18, 2017

Category	System Number	Description	Drawing Number	Body Number	Body Material	Service Pressure
H	MVE2D	Manifold	450154	450154	Stainless Steel Pipe, ASTM A249, TP304L	600
			1337C-22 SER	1337C-22 C, D, E	Stainless Steel Pipe, ASTM A249, TP304L	600
			450043	450043	FC Brass, UNS C36000, ASTM B16	600
			2227-31	2227-31	FC Brass, UNS C36000, ASTM B16	600
			2227-30	2227-30	FC Brass, UNS C36000, ASTM B16	600
			450058	450058	Stainless Steel Pipe, ASTM A249, TP304L	600
			1337-66	1337-66	Stainless Steel Pipe, ASTM A249, TP304L	600
			1337A-22 SER	1337A-22C	Stainless Steel Pipe, ASTM A312, TP304L	600
			1337-62A	1337-62A	Stainless Steel Pipe, ASTM A249, TP304L	600
			BKA8408-1C	BKA8408S-2	Bronze Cast Alloy, UNS C92200, ASTM B61	600
			B-9403-1C	B-9404ST-1	Bronze Cast Alloy, UNS C92200, ASTM B61	600
			B-9403-1C	B-9404ST-2	Bronze Cast Alloy, UNS C92200, ASTM B61	600

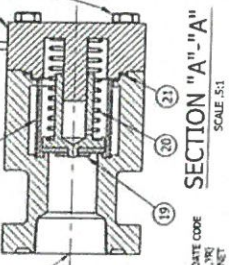
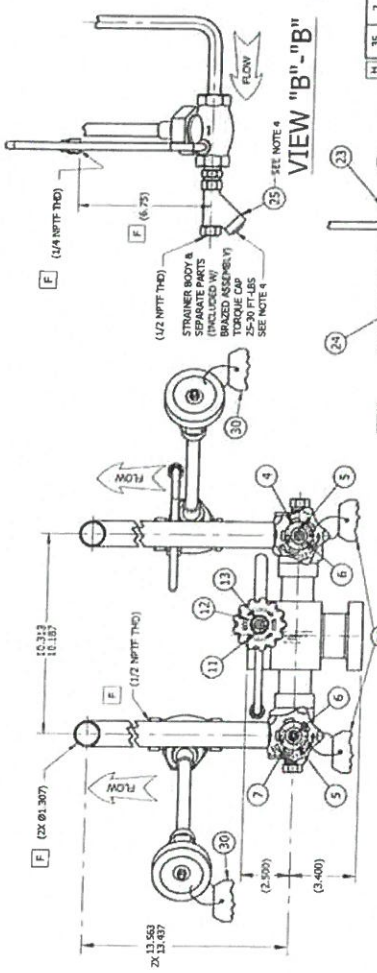
THIS IS PART OF
CRN 019102.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

Under Jan 13/17

REVISION HISTORY		
REV	DATE	DESCRIPTION
A-F		REV
G	AG29L, 7-7-09	REV
H	AG460, 11-2-09	REV

NOTES:

- [illegible]



H	35	2	SEAT DISC ASSY (NOT SHOWN) SEE NOTE 11	B-940B-7
H	34	2	SEAT DISC ASSY (NOT SHOWN) SEE NOTE 10	B-940A-4
H	33	2	WASHER (NOT SHOWN) SEE NOTE 7	TC08306-9
	32	2	LOCK WASHER (NOT SHOWN) SEE NOTE 7	TC08306-8
F	31	2	CAP SCREW (NOT SHOWN) SEE NOTE 7	TC08302-7
G	30	4	TAG TORQUE (1100)	B-9403-50C
G	29	1	TAG TORQUE (900-1100)	B-9403-50A
G	28	1	TAG TORQUE (BLANK)	B-9403-50
C	27	2	GASKET	450104-44
	26	2	GASKET	B-940B-1
	25	1	GASKET	450075-40
	24	1	STRAINER	450030
	23	1	REAR BLANDE ASSEMBLY	450110
	22	4	CAP SCREW	450040
	21	1	GASKET	B-940C-39
	20	1	SPRING	450045
	19	1	PISTON ASSEMBLY	450047
	18	1	TAG HC-V11 PW INLET	11573-50B
	17	1	TAG HC-V2 PB INLET	11573-50B
	16	2	HANDWHEEL - GREEN	25071-50P
	15	2	UPPER ASSEMBLY - UNTESTED SEE NOTE 10	B-94C1-4TU
	14	2	PLUG	9950
	13	1	NUT	450029
	12	1	WASHER	AB1160-35B
	11	1	TAG HC-V2 FILL DRAIN	11573-503
	10	1	HANDWHEEL - BLUE	6600-30B
	9	1	UPPER ASSEMBLY - UNTESTED	B09450R-4TU
	8	1	GASKET	94025-5
	7	1	TAG HC-V2 TOP FILL	11573-511
	6	4	LOCKWUT	7950A-135S
	5	4	WASHER	450028
	4	1	TAG - HC-V1 BOTTOM FILL	11573-510
	3	2	HANDWHEEL - BLUE	25071-50P
H	2	2	UPPER ASSEMBLY - UNTESTED SEE NOTE 11	B-940E-4TU
	1	1	PAISED ASSEMBLY	450100A
	ITEM	QTY		

THIS IS PART OF
CRN 049102.5

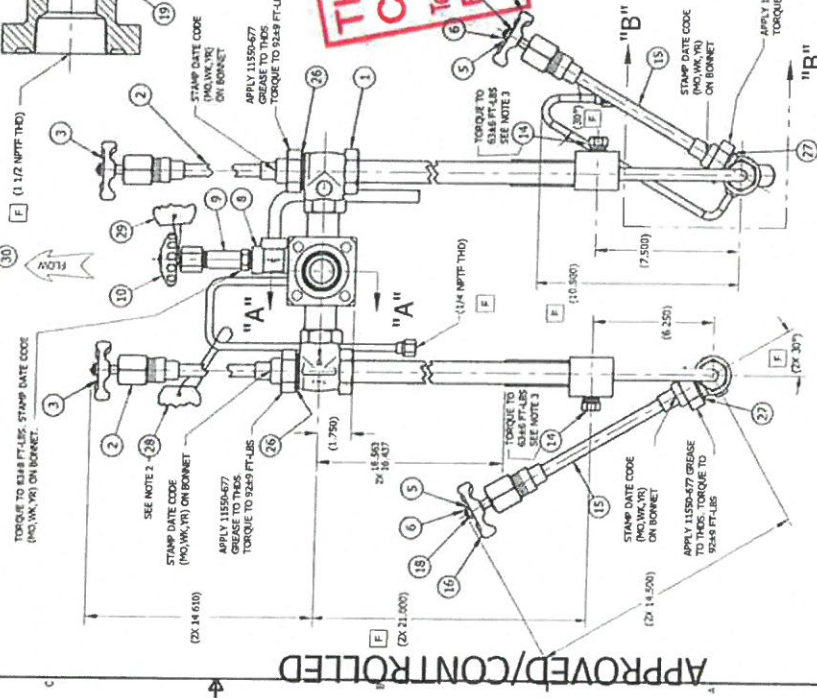
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

6 13 15

W. B. [Signature]
Jan 18, 17

"B"

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PART NUMBER		TITLE		DRAWING NUMBER		REV. C	
REGO CRYO-FLOW PRODUCTS		THIS DRAWING IS FOR INFORMATION ONLY ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED		MANIFOLD, 1" FILL		MVEZD	
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