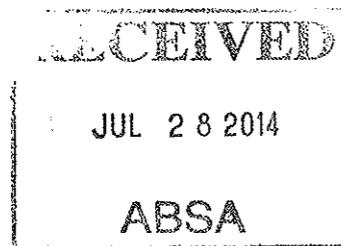




**Inspection and Technical Services Manitoba**  
500 - 401 York Avenue  
Winnipeg Manitoba R3C 0P8  
T (204) 945-3373  
F (204) 948-2309  
[www.firecomm.gov.mb.ca/codes\\_steam\\_pressure.html](http://www.firecomm.gov.mb.ca/codes_steam_pressure.html)



July 17, 2014

ABSA  
9410 20th Ave NW  
Edmonton, AB  
T6N 0A4

Attn: Cynthia Formaniuk

#### REGISTRATION OF VALVES AND FITTINGS

**Manufacturer:** EMERSON PROCESS MANAGEMENT

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

DRAWING / CATALOGUE	CRN	FILE
Product Bulletins listed	0C11538.24	33822


**An invoice covering survey and registration fees is enclosed.**

***NOTE:** CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: ABSA. See attached stamped "this is part of CRN" for scope of registration. This registration expires June 23, 2021.*

This registration is valid until the indicated expiry date 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.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

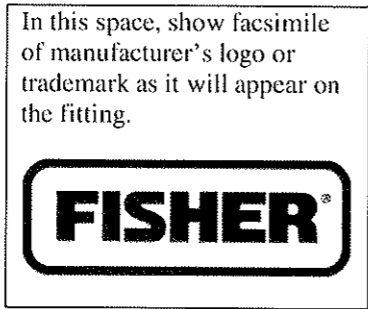
Yours truly,

  
for

Ryan DeLury, C.E.T.  
Senior Design Surveyor, Inspection and Technical Services



**ABSA**  
the pressure equipment safety authority  
**STATUTORY DECLARATION**  
**Registration of Fittings**



I, Thomas Fredricks,  
Vice President of Engineering  
(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)  
of Emerson Process Management, Regulator Technologies, Inc.  
(name of manufacturer)

located at 310 East University Drive; McKinney, Texas 75069 (see attached list of 5 included manufacturing sites)  
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of \_\_\_\_\_ which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with ASME B31.3, Section 326 as supported by the attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, Bureau Veritas, CQC or SAI as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are Type T205 & Type T208 Series

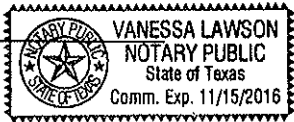
In support of this application, the following information, calculations and/or test data are attached:

Product Bulletins: 74.1: T205, 74.1: T205B & 74.2: T208, 71.3: T205VB, 71.3: T208VR  
Drawings, Calculations, Witnessed Hydrostatic Test Certificates and ISO 9001 Certificates for all manufacturing sites

DECLARED before me at Emerson Process Mgmt 310 E. University Dr McKinney, TX 75069 in the County of Collin

this 10th day of July, 2013  
(Month) (Year)

(print) Vanessa Lawson  
(sign) Vanessa Lawson  
(A Commissioner for Oaths)



Thomas Fredricks  
(Signature of Applicant)

**For Office Use Only**

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category "C"

Registration Number: OC11538.24

Date Registered: JUNE 23, 2014

[Signature]  
(For the Administrator/Chief Inspector of Alberta)  
Expiry Date: JUNE 23, 2021

Date: July 8, 2013

Subject: Manufacturing Location Information

**Location Number 1:**

Emerson Process Management  
Regulator Technologies, Inc.  
310 East University Drive  
McKinney, TX 75069 USA

Contact: Keoki Kusano  
Telephone: 1-972-548-3123  
e-mail: Keoki.Kusano@emerson.com

ISO Registrar: Bureau Veritas  
ISO Certificate Number: US004382-1  
Date of Expiration: 10-Jan-2015

**Location Number 2:**

Fisher Regulators (Shanghai) Co Ltd  
Building 40B-2, Jin Min Road  
Shanghai, 201206 P.R. China

Contact: Haifeng Ni  
Telephone: (86) 21-58997887-3401  
e-mail: Haifeng.Ni@emerson.com

ISO Registrar: Bureau Veritas  
ISO Certificate Number: US004382-1  
Date of Expiration: 10-Jan-2015

**Location Number 3:**

Fisher Jeon Gas Equipment (Chengdu) Co., Ltd  
No. 9 Wukedong 2nd Road  
Chengdu City  
Sichuan Province, 610045, P.R. China

Contact: Jiao Feng  
Telephone: (86) 28-85360000-2301  
e-mail: Jiao.Feng @emerson.com

ISO Registrar: CQC  
ISO Certificate Number: 00113Q24103R4M/5100  
Date of Expiration: 01-May-2016

**Location Number 4:**

FROMEX S.A.de C.V  
Emerson Process Management  
Regulator Technologies, Inc.  
Avenida Industrias # 6025  
Parque Industrial Finsa  
Nuevo Laredo, Tamaulipas 88275 México

Contact: Jose Sosa  
Telephone: (011) 52-867- 7115273  
e-mail: Jose.Sosa@emerson.com

ISO Registrar: SAI Global  
ISO Certificate Number: CERT-0063980  
Date of Expiration: 12-Aug-2015

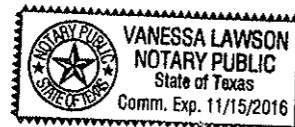
**Location Number 5:**

SC Emerson SRL Cluj-Napoc  
Regulator Technologies, Inc.  
4, Emerson Street, Tetarom Industrial Parc  
Cluj-Napoca, Romania 400641

Contact: Iosif Vernes  
Telephone: 40 (374) 423026  
e-mail: Iosif.Vernes@emerson.com

ISO Registrar: Bureau Veritas  
ISO Certificate Number: RO016654Q  
Date of Expiration: 09-Mar-2014

State of Texas County of Collin  
Sworn to and subscribed before me this 10<sup>th</sup>  
day of July, 2013  
Vanessa Lawson Notary Public



Summary Rating Tables Per ASME B16.34 Materials

Date: July 8, 2013



Type T205 Series (T205, T205M, T205B, T205VB, T205VBM)

Body Material	
ASTM A216 WCC - Steel	
ASME B16.34 Pressure - Temp Ratings	Table 2-1.2A Class 150
Temp. Deg. F	Class 150
- 20 to 100	290
200	260
300	230
400	200

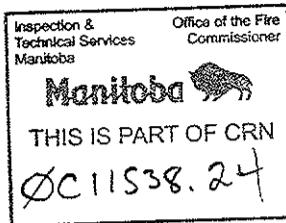
Body Material	
ASTM A351 CF8M/CF3M Dual Certified - Stainless Steel	
ASME B16.34 Pressure - Temp Ratings	Table 2-2.2A Class 150
Temp. Deg. F	Class 150
- 20 to 100	275
200	235
300	215
400	195

Material Options	Body Material	Bolting Material
Steel	ASTM A216 WCC	ASTM A449 (Grade 5)
Stainless Steel (SST)	ASTM A351 CF8M/CF3M Dual	ASTM F593 Group 1 CW1

Bulletin Name	Bulletin Number	Family Type	Max Temp	Max Operating Inlet Pressure	Body Size	Body Machine/Casting Drawing Number End Connection: NPT*	Body Minimum Wall Thickness	Minimum Wall Thickness Required per ASME B16.34 for CL150 Service	Body/Bolting Material	ASME B16.34 (6.4.1.1) Bolted Joint Calculation	
										Actual	Allowed
74.1: T205	D103747X012	T205, T205M	300F (149C)	200 psig ( 13.8 bar)	3/4 inch (DN 20)	ERSA00230 / ERSA00208	0.18 in (4.6 mm)	0.14 in (3.6mm)	Steel / Steel	711	≤9000
					1 inch (DN 25)	ERSA00194 / ERSA00208	0.18 in (4.6 mm)	0.16 in (4.1mm)	SST / SST	711	≤9000
74.1: T205B	D103749X012	T205B	300F (149C)	200 psig ( 13.8 bar)	3/4 inch (DN 20)	ERSA00230 / ERSA00208	0.18 in (4.6 mm)	0.14 in (3.6mm)	Steel / Steel	711	≤9000
					1 inch (DN 25)	ERSA00194 / ERSA00208	0.18 in (4.6 mm)	0.16 in (4.1mm)	SST / SST	711	≤9000
71.3: T205VB	D103757X012	T205VB, T205VBM	300F (149C)	200 psig ( 13.8 bar)	3/4 inch (DN 20)	ERSA00230 / ERSA00208	0.18 in (4.6 mm)	0.14 in (3.6mm)	Steel / Steel	711	≤9000
					1 inch (DN 25)	ERSA00194 / ERSA00208	0.18 in (4.6 mm)	0.16 in (4.1mm)	SST / SST	711	≤9000

\* Other available body end connection styles meet ASME B16.34 design criteria, as well

Conclusion:  
Products meet pressure ratings



Summary Rating Tables Per ASME B16.34 Materials

Date: July 8, 2013



Type T208 Series (T208, T208M, T208VR, T208VRM)

Body/Casing Material	
ASTM A216 WCC - Steel	
ASME B16.34 Table 2-1.2A Pressure - Temp Ratings	
Temp. Deg. F	Class 150
- 20 to 100	290
200	260
300	230
400	200

Body/Casing Material	
ASTM A351 CF8M/CF3M Dual Certified - Stainless Steel	
ASME B16.34 Table 2-2.2A Pressure - Temp Ratings	
Temp. Deg. F	Class 150
- 20 to 100	275
200	235
300	215
400	195

Material Options	Body/Casing Material	Bolting Material
Steel	ASTM A216 WCC	ASTM A449 (Grade 5)
Stainless Steel (SST)	ASTM A351 CF8M/CF3M Dual Certified	ASTM F593 Group 1 CW1

Bulletin Name	Bulletin Number	Family Type	Max Temp	Max Operating Inlet Pressure	Body Size	Body Machine/Casting Drawing Number End Connection: NPT*	Body Minimum Wall Thickness	Lower Casing Machine/Casting Drawing Number	Lower Casing Minimum Wall Thickness	Minimum Wall Thickness Required per ASME B16.34 for CL150 Service	Body/Bolting Material	ASME B16.34 (6.4.1a) Bolted Joint Calculation	
												Actual	Allowed
74.2: T208	D103751X012	T208, T208M	300 (149C)	75 psig ( 5.2 bar)	3/4 inch (DN 20)	ERSA00231 / ERSA00208	0.18 in (4.6 mm)	ERSA00196 / ERSA00210	0.19 in (5.0 mm)	0.14 in (3.6mm)	Steel / Steel	711	≤9000
					1 inch (DN 25)	ERSA00764 / ERSA00208	0.18 in (4.6 mm)	ERSA00196 / ERSA00210	0.19 in (5.0 mm)	0.16 in (4.1mm)	SST /SST	711	≤9000
71.3: T208VR	D103758X012	T208VR, T208VRM	300 (149C)	15 psig (1 bar) (full vacuum)	3/4 inch (DN 20)	ERSA00231 / ERSA00208	0.18 in (4.6 mm)	ERSA00196 / ERSA00210	0.19 in (5.0 mm)	0.14 in (3.6mm)	Steel / Steel	711	≤9000
					1 inch (DN 25)	ERSA00764 / ERSA00208	0.18 in (4.6 mm)	ERSA00196 / ERSA00210	0.19 in (5.0 mm)	0.16 in (4.1mm)	SST /SST	711	≤9000

\* Other available body end connection styles meet ASME B16.34 design criteria, as well.

Conclusion:  
Products meet pressure ratings

