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April 10, 2012

Cynthia Formaniuk  
ALBERTA BOILERS SAFETY ASSOCIATION  
9410-20 AVENUE  
EDMONTON AB T6N 0A4  
CA

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 775572  
**Your Reference No.:** 2011-05371

Dear Cynthia Formaniuk,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission on March 12, 2012 has been reviewed and registered as follows:

**CRN No.:** 0C11538.25ADD1  
**Reference No.:** 2011-05371  
**Main Design No.:** CATALOG LP-31  
**Expiry Date:** 23-Jun-2021

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 mailed 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](mailto: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,

Kaivan Kia P. Eng.  
Mechanical Engineer, BPV  
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the pressure equipment safety authority

STATUTORY DECLARATION  
Registration of Fittings

Emerson Process Management  
Fisher  
Jet Bleed  
Snappy Joe

I, Doug J Scheffler,

Engineering Manager - LP Group

(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 Av, Industries No. 6025 Parque Industrial Finsa 88275 Nueva Laredo, Tamaulipas, Mexico

and at Emerson Process Management Fisher - Shanghai, Building 40B-2, 1006 Jinmin Rd, Pudong, Shanghai, China 201206

(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 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, BS EN ISO 9001:2008 (Attach B) 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 Valves (Category: C)

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

Products listed on Attachment A- ADD1: Proof of test reports &/or Calculations, Drawings, and Material Specifications. And LP-Gas Equipment LP-31 Catalogue. This is ADDENDUM-1 for added products and/or Materials to CRN 0C11538.2.

DECLARED before me at \_\_\_\_\_ in the \_\_\_\_\_  
this \_\_\_\_\_ day of August, 18 2011  
(Month) (Year)

(print) Nancy Losh  
(sign) Nancy Losh  
(A Commissioner for Oaths)



Technical Standards and Safety Authority  
Boilers and Pressure Vessels Safety Program  
REGISTERED  
Signature of Applicant  
C.R.N.: 0C11538.25 ADD1  
Signed: K. Kai  
April 10/12

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: 0C11538.25 ADD1

(For the Administrator/Chief Inspector of Alberta)

Date Registered: April 10/12

Expiry Date: June 23/2021

See two pages of attachments for scope, material & press/Temp ratings. KK 04/10/12

**THIS IS PART OF**  
**CRNOC1153825ADD7**  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program

Attachment A-ADD1 for CRN									
EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, Inc									
Tab #	Catalog LP-31 Page #	Type(s) In Bulletins	Matl(s)	Size (in)	Proof Test Pressure (psig)	Proof Test for MAWP Part (Size in)	Min/Max Temperature (°F)	MAWP @ Max Temperature (psig)	Hydrotest Pressure (psig)
Group 01	47-51	C471/871-16	DI	2"	3800	C471-16 (2")	-20/150	400	600
		C471/871-24		3"					
		C477/877-16		2"					
		C477/877-24		3"					
Group 02	47-51	C407/487/807/887-16 <sup>3</sup>	Steel	2"	3750	C407-16 (2")	-20/150	400	600
		Group 03	67	G200/201/800/801-10	DI	1 1/4"	3400	G200 & N550-16 (2")	400
G200/201/800/801-16	2"								
G200/201/800/801-24	3"								
N550/850-10	1 1/4"								
N550/850-16	2"								
N550/850-24	3"								
Group 04	66	N301/350-04	DI	1/2"	3750	N310-16 (2")	-20/150	400	600
		N301/350-06		3/4"					
		N301-08		1"					
		N310-10		1 1/4"					
		N310-12		1 1/2"					
		N310-16		2"					
N310-24	3"								
Group 05	66	N310F-24	DI	3" Flange	3850	N310F-24 (3")	-20/150	400	600
		N401/450-04		1/2					
		N401/450-06		3/4					
		N401-08		1					
		N410-10		1 1/4					
N410-12	1 1/2								
Group 06	67	N410-16	DI	2	3900	N410-1 (1 1/4")	-20/150	400	600
		N410-24		3					
Group 07	69	N410F-24	DI	3" Flange	3700	N410F-24 (3")	-20/150	400	600
		G104		3					
		N100A-08		1					
		N100A-10		1 1/4					
		N100A-12		1 1/2					
N100-16	2								
N100-20	2 1/2								



Group	24	R122H	Die cast Aluminum	1/4 X 1/2	3050/631	R122H	-20/160	250	375
Group 08					Inlet/Outlet				
Group 09	25	R222	Die cast Aluminum	1/2" X 1/2"	1820/788	R222	-20/160	250 psig for R232 & 75 psig for R222	375 psig for R232 & 113 psig for R222
	27	R232	Die cast Aluminum	1/4" X 1/2" FPOL X 1/2"					
Group 10A & 10B					Inlet/Outlet				
		R622H							
		R622		FPOL X 1/2" FPOL X 3/4"	1766/557	R622H	-20/160	250	375
	24-26	R622E	Die Cast Aluminum	1/2" X 1/2"					
		R622E		3/4" X 3/4"					
		R632		1/2" X 3/4"	2298/436	R622	-20/160	250 psig for R632 15 psig for R622	375 psig for R632 23 psig for R622
Group 11					Inlet/Outlet				
	25-26	R652 & R652E	Die Cast Aluminum	3/4" X 3/4"	2141/514	R652E	-20/160	15	22.5
				1/2" X 3/4"					
Group 12					Inlet/Outlet				
	25	R642	Die Cast Aluminum	3/4" X 3/4"	2280/460	R642	-20/160	15	22.5
Group 13					Inlet/Outlet				
	25	HSRL	Cast Iron & Die Cast Aluminum	3/4" X 3/4" 1" X 1"	1000/586 1000/586	3/4" X 3/4" 1" X 1"	-20/160	15	22.5
Group 14					Inlet/Outlet				
	43	912	Die Cast Zinc	1/4" X 1/4" 1/4" X 3/8"	2600/993	912	-20/160	250	375

Material
DI
A395 60-40-18 Ductile Iron
Steel
A 216 WCC Steel
Brass
ASTM B16 C36000 Brass
Carbon Steel
AISI 1018 G10180
Die Cast Aluminum
ASTM B85 A03830
Die Cast Zinc
ASTM B86 Z33520 (AG40A)

Note: 1: C407-16 Ratings are same as the C471/477-16, the body of C407 is made of WCC Steel and the Body of C471 & C477 Body is made of Ductile Iron