

April 16, 2012

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

Attention: 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
Catalogue LP-31	0C11538.24	31468

An invoice covering survey and registration fees is enclosed.

***NOTE:** This registration covers those items as listed in "Attachment A-Add1 for CRN".
Fromex, S.A. DE CV, Tamaulipas, Mexico & Fisher Regulators (Shanghai) Co Ltd, Shanghai
China are approved facilities.
This registration expires April 16, 2022.*

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,



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



**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:

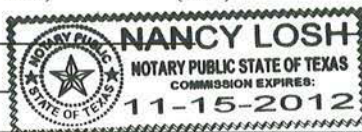
Products listed on Attachment A- ADD1: Proof of test reports &/or Calculations, Drawings, and Material Specifications. And LP-Gas Equipment LP-31 Catalogue. This is ADDENDUM-1 for added products and/or Materials to CRN 0C11538.2.

DECLARED before me at _____ in the _____ of _____

this _____ day of August, 18 2011
(Month) (Year)

(print) Nancy Losh

(sign) Nancy Losh
(A Commissioner for Oaths)



Doug Scheffler
(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: 0C11538.24

Regina Johnson
(For the Administrator/Chief Inspector of Alberta)

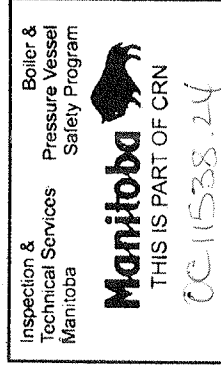
Date Registered: APR 16, 2012

Expiry Date: June 23, 2021

Inspection & Technical Services
 Manitoba
 Boiler & Pressure Vessel Safety Program

 THIS IS PART OF CRN
 0C 11538.24

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)	
<u>Group 01</u>	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"						
<u>Group 02</u>	47-51	C407/487/807/887-16 ¹	Steel	2"	3750	C407-16 (2")	-20/150	400	600	
<u>Group 03</u>	67	G200/201/800/801-10	DI	1 1/4"	3400	G200 & N550-16 (2")	-40/160	400	600	
		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"									
<u>Group 04</u>	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"						
<u>Group 05</u>	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						
<u>Group 06</u>	66	N410-10	DI	1 1/4	3900	N410-1 (1 1/4")	-20/150	400	600	
		N410-12		1 1/2						
		N410-16		2						
		N410-24		3						
		N410F-24		3" Flange						
<u>Group 07</u>	67	G104	DI	3	2500	G104 (3")	-20/160	250	375	
<u>Group 08</u>	69	N100A-08	DI	1	3800	N100-16 (2")	-20/140	400	600	
		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"					
					Inlet/Outlet				
Group 10A & 10B		R622H							
	24-26	R622	Die Cast Aluminum	FPOL X 1/2" FPOL X 3/4" 1/2" X 1/2" 3/4" X 3/4" 1/2" X 3/4"	1766/557	R622H	-20/160	250	375
		R622E							
		R632			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" 1/2" X 3/4"	2141/514	R652E	-20/160	15	22.5
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