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August 23, 2018

CYNTHIA FORMANIUK
SIERRA INSTRUMENTS INC
5 HARRIS COURT
MONTEREY CA 93940
US

Service Request Type: BPV-Fitting Registration
Service Request No.: **2358516**
Your Reference No.: 2017-05893
Registered to: SIERRA INSTRUMENTS INC

Dear CYNTHIA FORMANIUK,

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

CRN No.: **0C18705.25**

Main Design No.: Dwg. No. 41-5063 Sht. 1-5 & 43-0308 Sht. 1-5. Rev. B, Flow meters - see the attachment to the Statutory Declaration Form for the scope of registration.

Expiry Date: 11-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.

Mark Valcic
Engineer Specialist BPV
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STATUTORY DECLARATION Registration of Fittings

I, Scott Rouse, VP of Sierra Instruments located at 5 Harris Court, Bld L Monterey, CA 93940



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

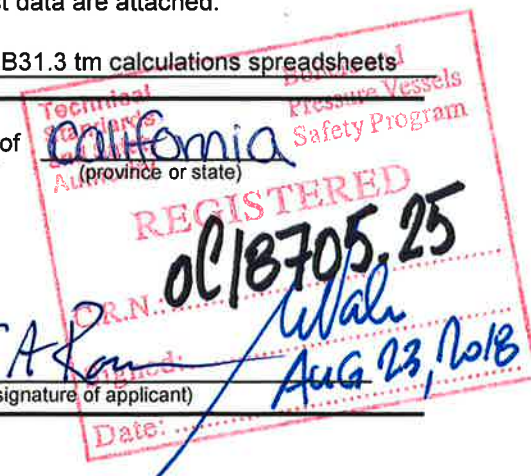
- comply with the requirements of ASME B31.1-2016 and B31.3-2016 which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, I.S.O. 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 InnovaMass® vortex flow meters

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

InnovaMass® probe assembly drawings 41-5063 and 43-0308. B31.1 and B31.3 tm calculations spreadsheets

DECLARED before me at Monterey in the State of California this 16 day of May 2018 (print) Danielle Green (a Commissioner of Oaths or Notary Public) (sign) [Signature]



For ABSA Office Use Only:

NOTES: 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 Registration Number: 0C18705.25 Date Registered: Expiry Date: July 11, 2028

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Pressure Equipment Discipline.

NOTE: SEE THE ATTACHMENT FOR THE SCOPE OF REGISTRATION [Signature] Aug 23/18



DESIGN SCOPE FOR REGISTRATION OF FITTINGS

(Supplementary to Form AB-41)
AB-257 2016-01

THIS IS PART OF
CRN 0610705.15
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

M.G. 24/10

This form may be used to document the Design Scope for fittings that require registration in accordance with the PESR s14 and s17. In each column, provide the information required or list the document number where the information can be found. If the column is not applicable to the fitting design, then indicate N/A.

Note: This form shall be completed and submitted with Form AB-41 Statutory Declaration Registration of Fittings.

Product Description	Primary Pressure Bearing/Retaining Component	Material of Construction	End Connections and Size Range	Design Condition		MDMT	Pressure Class or Schedule	Design Code of Construction or Standard	Catalog page or Drawing numbers
				Pressure at Ambient Temp.	Pressure at Design Temp.				
Example: SERIES XZ	Body A	Material for Body A ASTM A-XXX	Female NPT XX-YY (in.) Female ISO (Size Range)	### psi @ ## °F	### psi @ ## °F	- ## °F	Class XXX# or SCH XX	Std. B16.X	Series XZ Catalog Pages # & #
InnovaMass 240i Vortex Flow Meter	41-5063-1-XX-X-1	SA-213-TP316 & SA-182-F316	ANSI B16.5 150# CLASS WELD. NECK FLANGE. NPS 1, 1.5, 2, 3, 4, 6, and 8 in	290 psi @ -20 deg F to 100 deg F	170 psi @ 392 deg f	-20 deg f	150# Class SCH 80 Pipe	B31.3 & B31.1	41-5063-1-01-X-1 41-5063-1-15-X-1 41-5063-1-02-X-1 41-5063-1-03-X-1 41-5063-1-04-X-1 41-5063-1-06-X-1 41-5063-1-08-X-1
InnovaMass 240i Vortex Flow Meter	41-5063-1-XX-X-2	SA-213-TP316 & SA-182-F316	ANSI B16.5 300# CLASS WELD. NECK FLANGE. NPS 1, 1.5, 2, 3, 4, 6, and 8 in	750 psi @ -20 deg f to 100 deg f	600 psi @ 392 deg f	-20 deg f	300# Class SCH 80 Pipe	B31.3 & B31.1	41-5063-1-01-X-2 41-5063-1-15-X-2 41-5063-1-02-X-2 41-5063-1-03-X-2 41-5063-1-04-X-2 41-5063-1-06-X-2 41-5063-1-08-X-2
InnovaMass 240i Vortex Flow Meter	41-5063-1-XX-X-3	SA-213-TP316 & SA-182-F316	ANSI B16.5 600# CLASS WELD. NECK FLANGE. NPS 1, 1.5, 2, 3, 4, 6, and 8 in	1500 psi @ -20 to 100 deg f	1250 psi @ 392 deg f	-20 deg f	600# Class SCH 80 Pipe	B31.3 & B31.1	41-5063-1-01-X-3 41-5063-1-15-X-3 41-5063-1-02-X-3 41-5063-1-03-X-3 41-5063-1-04-X-3 41-5063-1-06-X-3 41-5063-1-08-X-3

InnovaMass 241i Vortex Flow Meter	43-0308-1-X	SA-213-TP316 & SA-182-F316	Packing gland options: 2 in NPT 2 in 150 # Flange 2 in 300 # Flange 2 in 600 # Flange	1000 psi @ -20 to 100 deg f	1000 psi @ 392 deg f	-20 deg f	Tubing 1.250 in O.D. x 0.072 in Wall	B31.3 & B31.1	43-0308-1-X
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FOR ABSA USE ONLY:

Reference Tracking No. _____

THIS IS PART OF
CRN 018705.25
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

Walter McG 03/18