



To:	ABSA	From:	Janet Townsend
Company:	Sierra Instruments	Phone:	416-747-4291
Pages:	6	Location:	Toronto
Our File:	ANR-5065	Date:	August 22, 2018

Your File: 2017-05893

Subject: Request Design Registration

Ms. Formaniuk,

CSA has received the documentation submitted by ABSA on behalf of Sierra Instruments. These fittings have been registered by CSA for the Province of Québec in accordance with an agreement between CSA and the Province of Québec.

The CRN is 0F18705.26 .

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

Janet Townsend
Program Manager
CSA Group

178 Rexdale Blvd.
Toronto, ON, M9W 1R3
Canada
www.csagroup.org

REGISTERED



CRN: OF18705.26

Registration Process administered by CSA Group per CSA B51

Statutory Declaration Registration of Fittings

(a) Design Qualification

I, Scott Rouse (Name of applicant)

(Position eg, president, plant manager, chief eng.)

of Sierra Instruments (name of company)

Located at 5 Harris Court Bld L Monterey, CA 93940 (plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act: B31.3-2016 + B31.1-2016

[X] comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required:

Or [] are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of B31.3 + B31.1, and has been verified by the following authority or authorized agency I.S.O. 9001:2015

The fittings covered by this declaration, for which I seek registration, are 240/241: InnovMass Vortex Flow Meters

In support of the application, the following information, calculations and/or test data are attached: Probe drawings 41-5063 (240:) + 430308 (241:) + B31.3 & B31.1 tm calculation spreadsheets

Declared before me at Monterey, California

In the of state of California

The 10 day of May, 2018 AD 200

[Signature] A (commissioner for oaths)

[Signature] Signature of Declarer

For Official Use Only

The application is accepted for registration in Category F in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance. July . 11 . 2028

Registered Number CRN OF18705.26

For the Chief Inspector A. BANWATT Date Aug. 22. 2018



1 Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted. 2 All fittings are required to be registered in the name of the Manufacturer. 3 This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.



July 11, 2018

Attention: Scott Rouse
SIERRA INSTRUMENTS INC.
BLDG L, 5 HARRIS COURT
MONTEREY, CA 93940

Email: s_rouse@sierrainstruments.com

Wor. 862476 —

The design submission, tracking number 2017-05893, originally received on September 18, 2017 was surveyed and accepted for registration as follows:

CRN : 0F18705.2

Accepted on: July 11, 2018

Reg Type: NEW DESIGN

Expiry Date: July 11, 2028

Drawing No. : 41-5063 SHT. 1 TO 5, 41-0308 SHT. 1 TO 4 Rev B

Fitting type: FLOW METERS (240I & 241I)

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction are ASME B31.1 and ASME B31.3.

- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.
- This registration is valid only until the indicated expiry date and 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.

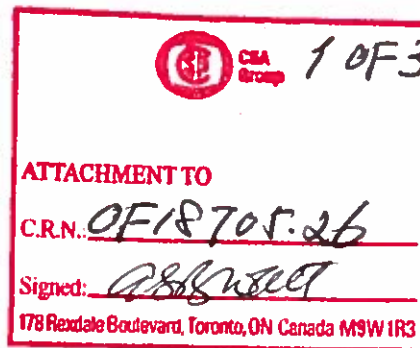
An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3369 or fax (780) 437-7787 or e-mail Radisavljevic@absa.ca.

Sincerely,

Zana Radisavljevic

RADISAVLJEVIC, ZANA, P. Tech. (Eng.)
DOP Cert. No. D00003136





the pressure equipment safety authority

DESIGN SCOPE FOR REGISTRATION OF FITTINGS

(Supplementary to Form AB-41)
AB-257_2016-01

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 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 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	1150 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

OF 18705.2

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 -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. 2017-05893

0 F 1 8 7 0 5 . 2

JUL 1 1 2018





**International
Quality
Registrars**

Corporation

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0 F 1 8 7 0 5 . 2

International Quality Registrars (IQR) Corporation
here with certifies that

Sierra Instruments Incorporated

Headquarters: 5 Harris Court, Building L, Monterey, CA 93940 USA

Additional Site Location(s): No, Yes, See Appendix A for additional information

has demonstrated a Quality Management System (QMS) which
conforms with the requirements of the standard:

ISO 9001:2008

Quality Management System - Requirements

The organization's QMS has been evaluated
according to the International Quality Registrars (IQR)
Corporation QMS certification scheme for the following scope:

"Design and Manufacture of Mass Flow Meters and Mass Flow Controllers"

Exclusion(s): None

This QMS certification is subject to periodic audits by
International Quality Registrars (IQR) Corporation

This QMS certificate remains the property of International Quality Registrars Corporation and shall be returned immediately upon request, and is subject to being suspended or withdrawn where the organization fails to comply with the terms and conditions of the signed Registration Assessment Proposal and Agreement. An electronic or printed certificate can be authenticated on-line in accordance with IQR's procedure documented at www.IQRCORP.com

Registration No.: 16-096112.1Q
Client ID: SIERRA16
Cert. Expiration Date: **01/22/19**
Cert. Issued Date: 12/27/16

Last Cert. Revision Date: 12/27/16
Initial Cert. Issue Date: 12/27/16
Sheet No.: 1 of 1

IQR QMS Certification Signature

