



To:	Scott Islip	From:	Janet Townsend
Company:	Spectrasensors Inc.	Phone:	416-747-4291
Pages:	8	Location:	Toronto
Our File:	ANR-5486	Date:	August 16, 2019

Your File: N/A

Subject: Request for Design Registration

CSA has reviewed the documentation submitted by Spectrasensors Inc. These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces. The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0H19815.26 .

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: CSA-OH19815.26

Statutory Declaration Registration of Fittings

CSA Group per CSA B51

SpectraSensors

An Endress+Hauser Company

(a) Design Qualification

1 MATHIAS SCHREMPEL

(Name of applicant)

QUALITY DIRECTOR

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

of SPECTRASENSORS, INC.

(name of company)

Located at 11027 ARROW ROUTE, RANCHO CUCAMONGA, CA, 91730, USA

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

[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 ISO 9001:2015, and has been verified by the following authority or authorized agency DQS Inc.

The fittings covered by this declaration, for which I seek registration, are CATEGORY H - 2 INCH AND 3 INCH SCRUBBER AND SCRUBBER INDICATOR

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

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

Declared before me at Rancho Cucamonga, California

In the of State of California

The 6th day of JUNE AD 2019

SEE ATTACHED (for commissioner for oaths)

Signature of Declarer

For Official Use Only

The application is accepted for registration in Category H 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. Jul. 12. 2029

Registered Number CRN CSA-OH19815.26

For the Chief Inspector Date

A. BANWATT Aug. 13. 2019

1 Three completed copied 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 Manufac

3 This form shall be completed and signed by the president of highes

*Note: See the attachment for the scope of the registration.





Technical Safety Authority of Saskatchewan

REGISTERED



CRN: CSA-OH19815.26

PH: (306)798-7112 Toll Free: (866)530-8599
FAX: (306)787-9273 Toll Free: (866)760-9255
Email: boilerpermits@tsask.ca
Website: www.tsask.ca

2202 2nd Ave.
Regina, SK S4R 1K3

Registration Process administered by
CSA Group per CSA B51

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, MATHIAS SCHREMPPEL
QUALITY DIRECTOR
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)
of: SPECTRASENSORS, INC.
(name of manufacturer)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



located at: 11027 ARROW ROUTE RANCHO CUCAMONGA, CA 91730, USA
(Plant Address - Apt/Street) (City, Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- Comply with the requirements of ASME B31.3 which specifies the dimensions, Materials of construction, pressure / temperature ratings and identification marking of the fittings, or
(title of recognized North American Standard)
- Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001: 2015 DQS Inc. as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CAT H - 2 INCH AND 3 INCH SCRUBBER AND SCRUBBER INDICATOR

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

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS



II. Declaration

DECLARED before me at Rancho Cucamonga In the State of California
this 6 day of June, 2019
MATHIAS SCHREMPPEL (print name) M. Schrempe (Signature)
SEE ATTACHED
(Signature of Commissioner of Oshs)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category H

CSA-OH19815.26 Aug - 13 - 2019 Jul - 12 - 2029
(Registration Number) (Date Registered - MM DD YYYY) (Expiry Date - MM DD YYYY)
(For the Administrator / Chief Inspector) A. BANWATT

*Note: See the attachment for the scope of the registration.



July 12, 2019

Attention: Scott Islip
ROUND ENGINEERING INC
10 SEGWUN ROAD
WATERDOWN, ON L8B 0K6

The design submission, tracking number 2019-04326, originally received on June 17, 2019 was surveyed and accepted for registration as follows:

CRN : 0H19815.2 Accepted on: July 12, 2019
Reg Type: NEW DESIGN Expiry Date: July 12, 2029
Drawing No. : SCOPE OF CRN REGISTRATION
Fitting type: SCRUBBER AND SCRUBBER INDICATOR
Design registered in the name of : SPECTRASENSORS INC

Description	MAWP	Design Temperature
Internal Pressure	345kPa	60 °C

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 is 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 3388 or fax (780) 437-7787 or e-mail Liu@absa.ca.

Sincerely,



LIU, XING, P. Eng.
DOP Cert. No. D00008861



SPECTRASENSORS, INC.
 11027 ARROW ROUTE
 RANCHO CUCAMONGA, CA
 91730, USA

17-May-19

PAGE 1 OF 1



SCOPE OF CRN REGISTRATION

Product Description	Main Drawing	Part Numbers	Process Connection	Design Code	Material Specification	MAWP at MAWT (psig)	Report Number
2 Inch Scrubber, 3 Inch Scrubber	8700004000	0220351000, 8000002318, 8000002227, 0220352000, 8000002321, 8000002200	1/4" NPT (Note 3)	ASME B31.3	Stainless Steel ASTM A269-316L, Stainless Steel ASTM A479-316L, Bolting Option 1: ASTM A453 Grade 660 Class B, Bolting Option 2: ASTM F879 Group 1 CW 304	50 psig at 140°F	R-1073A
Scrubber Indicator	8000002174 8000002321 8000002202	8000002174 8000002321 8000002202	1/4" NPT (Note 3)	ASME B31.3	Stainless Steel ASTM A479-316L, Pyrex Borosilicate Glass	50 psig at 140°F	R-1073B

Note 1: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature.
 Note 2: For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.
 Note 3: When supplied with a Tube Fitting installed in the process connection the Tube Fitting shall have its own separate CRN.



SA GROUP

29F2

ATTACHMENT TO

C.R.N.: CSA-0719815-26

Signed: [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. **0H19815.2**

DWG. NO. or CAT. NO. Scope of CRN Registration

TYPE OF FITTINGS Scrubber & Indicator

Date 2019-07-12 INITIALS ML

XING LIU, P.Eng.
DESIGN SURVEY ENGINEER



CERTIFICATE



This is to certify that

SpectraSensors, Inc.

11027 Arrow Route
Rancho Cucamonga, CA 91730
United States of America

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System**.

Scope:

The design, manufacture, and repair of advanced analytical instruments and measurement solutions for process control and monitoring applications utilizing optical and laser technology.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2015

Certificate registration no. 10000253 QM15
Date of original certification 2008-06-04
Date of certification 2018-08-14
Valid until 2021-08-13



DQS Inc.

Brad McGuire
Managing Director





**Annex to certificate
Registration No. 10000253 QM15**

SpectraSensors, Inc.

11027 Arrow Route
Rancho Cucamonga, CA 91730
United States of America

Location

Scope

**10016566
SpectraSensors Gas Analytics
Center of Competence
740 Zac des longues rayes
60610
Lacroix-Saint-Ouen
France**

The Integration, manufacture and repair of advanced analytical measurement solutions for process control and monitoring applications utilizing optical and laser technology.

Remote Location

Scope

**10014203
SpectraSensors, Inc.
4333 W. Sam Houston Parkway N.
Suite 100
Houston, TX 77041
United States of America**

Customer communication and contract review.



March 2019

CRN – Canadian Registration Numbers – Saskatchewan

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of “Fittings”.

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters “CSA” are applied as a prefix to the CRN to indicate which “Fittings” have been registered in this manner. You should inform your clients of this additional marking requirement and that “Fittings” registered by CSA Group are accepted for use in province of Saskatchewan, Canada.

178 Rexdale Blvd.
Toronto, Ontario
Canada M9W 1R3
Tel: (416) 747-4000
www.csagroup.org

