



To:	TSSA	From:	Janet Townsend
Company:	Endress+Hauser Conducta Inc.	Phone:	416-747-4291
Pages:	9	Location:	Toronto
Our File:	ANR-5118	Date:	October 2, 2018

Your File: 2389712

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Endress+Hauser Conducta 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-0F20561.56.

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-OF2056156

Statutory Declaration Registration of Fittings

Registration Process administered by CSA Group per CSA B51

(a) Design Qualification

I¹ MIKE YOUROSKI

(Name of applicant)

QUALITY MANAGER

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

of ENDRESS+HAUSER CONDUCTA INC.

(name of company)

Located at 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807

(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: B31.1 & B31.3

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: 2008, and has been verified by the following authority or authorized agency SQS

The fittings² covered by this declaration, for which I seek registration, are CATEGORY F

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

DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN

Declared before me at In the of of The day of AD 200

See attached acknowledgment

A (commissioner for oaths)

Michael Youroski 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. Jul. 25. 2028

Registered Number CRN CSA-OF2056156

For the Chief Inspector Date



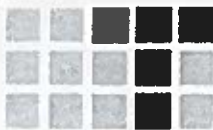
A. BANWATT Sep. 19. 2018

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 Manufacturer.

3 This form shall be completed and signed by the president of highest official in the manufacturing plant where the fitting is produced.





Technical Safety Authority of Saskatchewan

REGISTERED



CRN: CSA-OF20561.56

Registration Process administered by CSA Group per CSA B51

2202 2nd Ave.
Regina, SK S4R 1K3
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

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, MIKE YOUROSKI
QUALITY MANAGER
(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)

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



of: ENDRESS+HAUSER CONDUCTA INC.
(name of manufacturer)

located at: 4123 LA PALMA AVE. ANAHEIM, CA 92807, 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 B31.1, 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 2008 SQS 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 CATEGORY F

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

DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN

date

II. Declaration

DECLARED before me at _____ In the _____ of _____
this _____ day of _____

Michael Youroski
(print name)

Michael Youroski
(Signature)

See attached acknowledgment
(Signature of Commissioner of Oaths)

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 F

CSA-OF20561.56
(Registration Number)

Sep. 19. 2018
(Date Registered - MM DD YYYY)
(For the Administrative / CSA Inspector)

Jul. 25. 2028
(Expiry Date - MM DD YYYY)
A. BANWATT



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





345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: 416 734 3300
Fax: 416 231 1626
Toll Free 1 877 682 8772
www.tssa.org

July 25, 2018

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2218620
Your Reference No.: EH-CRN-19
Registered to: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

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

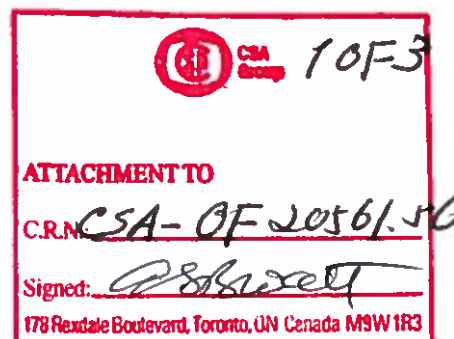
CRN No.: 0F20561.5
Main Design No.: OUSAF11 OPTICAL SENSOR - SEE SCOPE OF REGISTRATION
Expiry Date: 25-Jul-2028

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.

Yours truly,

Wendy Du, P.Eng.
Technical Standards & Safety Authority
Boilers & Pressure Vessels Safety Program
Tel.: 416-734-3566
Fax: 416-231-6183
Email: wdu@tssa.org



ENDRESS+HAUSER CONDUCTA INC.
 4123 LA PALMA AVE.
 ANAHEIM, CA
 92807, USA



SCOPE OF CRN REGISTRATION N. CSA-0F-20561.5

PRODUCT DESCRIPTION		End Connections (Note 1)	EH TI Document
Description	Design Standard (Note 3)		
OUSAF11 Optical Sensor	ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101	1" NPT, G1 Thread, 2", 2-1/2" and 3" ASME BPE Ferrule, DN40-125 Varivent	T100474C/07/EN/15.16

Signed: *R. B. B. B.*
 178 Rexdale Boulevard, Toronto, Ontario M9W 1P3

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 194F (Continuous)	MAWP AT 266 F (Intermittent)	Notes
32F	150 psia	150 psia	The sensor may be continuously subjected to a temperature of 266F for a length of time equal to 2 hours maximum.

MATERIALS OF CONSTRUCTION

Process Housing Material (Note 2)	Sensor Head Material	Notes
Stainless Steel ASTM A479-316L 1.4435 TYPE 316L UNS S31603	FEP (Fluorinated ethylene propylene)	Optional process housing materials may be used. See Note 2.

MANUFACTURING LOCATIONS

Endress+Hauser Conducta 70839 Gerlingen incl. manufacturing sites 04736 Waldheim and 64823 Gross-Umstadt, Germany Endress+Hauser Conducta 4123 LA Palma Ave., Anaheim, CA 92807, USA	Endress+Hauser Conducta 215021 Suzhou, Endress+Hauser Analytical Instruments Suzhou Co. Ltd. P. R. China
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Note 1) The ASME BPE Ferrule and Varivent connection shall be used with a clamp, however the assembly clamp is not part of this CRN. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. The clamp used to complete the joint shall have its own CRN and shall have pressure-temperature ratings the same or higher than the product ratings.

Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration:
 Type 304 S.Steel ASTM A182-304, ASTM A479-304 UNS S30400,
 Type 316 S.Steel ASTM A182-316, ASTM A479-316 UNS S31600,
 Hastelloy C-276 ASTM B564, ASTM B574 UNS N10276,
 Hastelloy B3 ASTM B462, ASTM B564, ASTM B335 UNS N10675,
 Inconel 600 ASTM B166, ASTM B564 UNS N06600,
 Inconel 825 ASTM B425, ASTM B564 UNS N08825,
 Super Duplex ASTM A479, ASTM A182-F53 UNS S32750,
 Titanium ASTM B381-F3 UNS R50550 (Note Titanium limited to 247F max for ASME B31.3 service and 173F max. for ASME B31.1 Service).

THIS IS PART OF
CRN 0F-20561.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

ENDRESS+HAUSER CONDUCTA INC.
4123 LA PALMA AVE.
ANAHEIM, CA
92807, USA

23-May-18

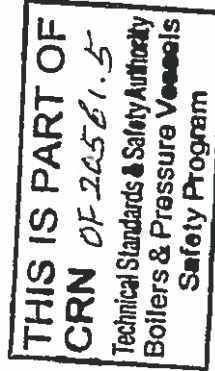
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SCOPE OF CRN REGISTRATION CONTINUED

Note 3) In accordance with ASME B31.1 para. 123.1.2(D) when this product is manufactured from a ASME B31.1 unlisted material and used under the ASME B31.1 code the facility owner must accept the use of the following non listed materials.

Hastelloy C-276 ASTM B564 UNS N10276,
Monel 400 ASTM B564, ASTM B164 UNS N04400,
Inconel 825 ASTM B564 UNS N08825,
Hastelloy C22 ASTM B564 UNS N06022
Hastelloy B3 ASTM B462, ASTM B564, ASTM B335 UNS N10675,
Inconel 600 ASTM B166, ASTM B564 UNS N06600,
Super Duplex ASTM A479, ASTM A182-F55 UNS S32760,

In all cases the above unlisted materials shall only be used for nonboiler external piping.





Certificate

SQS herewith certifies that the company named below has a management system which meets the requirements of the standards specified below.



Endress+Hauser Conducta GmbH & Co. KG
Dieselstrasse 24
70839 Gerlingen
Germany

Scope of certification

According to appendix

Field of activity

Research and development, manufacturing and sales of measurement technology for liquid analysis

Normative basis

ISO 9001:2015

Quality Management System

ISO 14001:2015

Environmental Management System

OHSAS 18001:2007

Occupational Health and Safety Management System

Scope(s) 18, 19

Validity 01.04.2017 – 31.03.2020
Issue 01.04.2017

Reg. no. 10705


X. Edelmann, President SQS


R. Glajser, CEO SQS



Swiss Association for Quality and Management Systems SQS
Bernstrasse 103, 3052 Zollikofen, Switzerland





Endress+Hauser Conducta GmbH & Co. KG
Dieselstrasse 24
70839 Gerlingen
Germany

Central Function	Field of activity	Scope(s)	Norm / Revision	Reg. no	Validity
Endress+Hauser Conducta GmbH & Co. KG Dieselstrasse 24 / Postfach 100 154 70839 Gerlingen Germany	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10705	01.04.2017 31.03.2020

Locations	Field of activity	Scope(s)	Norm / Revision	Reg. no.	Validity
Endress+Hauser Conducta GmbH & Co. KG Siemensstraße 2 64823 Groß-Umstadt Germany	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10705	01.04.2017 31.03.2020
Endress+Hauser Conducta Waldheim Gewerbegebiet Richzenhain Landsberger Straße 28 0-1736 Waldheim Germany	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10705	01.04.2017 31.03.2020
Endress+Hauser Conducta, Inc. 4123 East La Palma Ave. Suite 200 Anaheim, CA 92807 United States of America	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10705	01.04.2017 31.03.2020
Endress+Hauser Analytical Instruments (Suzhou) Co., Ltd. 491 Su-Hong Zhong-Lu China-Singapore Industrial Park Suzhou, Jiangsu Province China	Research and development, manufacturing and sales of measurement technology for liquid analysis	18, 19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10705	01.04.2017 31.03.2020

X. Edelman
X. Edelman, President SQS

R. Glajser
R. Glajser, CEO SQS



Swiss Association for Quality and Management Systems SQS
Bernstrasse 103, 3052 Zollikofen, Swiss



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



March 2017

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 Saskatchewan Canada.