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|-----------|------------------------------|-----------|----------------|
| To: | TSSA | From: | Janet Townsend |
| Company: | Endress+Hauser Conducta Inc. | Phone: | 416-747-4291 |
| Pages: | 5 | Location: | Toronto |
| Our File: | ANR-4109 | Date: | July 25, 2016 |

Your File: 1873810

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-0F18315.56.

The cost for this service is \$ 760.00 plus HST.

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

Account Manager

CSA Group

janet.townsend@csagroup.org

www.csagroup.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

Endress + Hauser

People for Process Automation

STATUTORY DECLARATION

Registration of Fittings

I, MIKE YOUROSKI, QUALITY MANAGER

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENDRESS+HAUSER CONDUCTA INC.

(Name of Manufacturer)

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

(Plant Address)

1-714-577-5600

(Telephone No.)

(Fax No.)

do solemnly declare that the fittings listed hereunder, which are subject to the *Technical Standards and Safety Act*, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3, ASME VIII-1

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

or 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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008

which has been verified by the following authority, SQS

The items covered by this declaration, for which I seek registration, are category F Fittings - Smartec CLD18 type fittings. In support of this application, the following information and/or test data are attached as follows:

DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN

(drawings, calculations, test reports, etc.)

Declared before me at Anaheim in the County of Orange

the 17 day of Feb. AD 20 16.

Commissioner for Oaths:

William E. Zinn

(Printed name)

(Signature)

Mike Youroski

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the *Technical Standards and Safety Act*, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category F

CRN:

CSA - OF18315.56

Registered by:

A. BANWATT

Dated:

JULY. 24. 2016

NOTE: This registration expires on

MARCH. 10. 2016



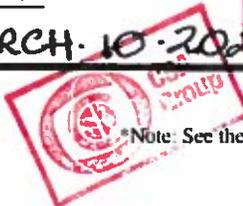
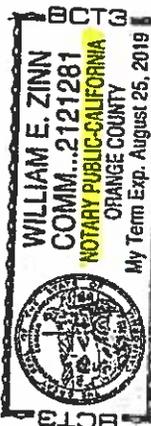
REGISTERED

C.R.N. CSA-OF18315.56

Signed: A. Banwatt

Date: 24 July, 2016

170 Rexdale Boulevard, Toronto, ON Canada M9W 1R3



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

19-Jan-16



ATTACHMENT TO
 C.R.N.: CSA-0F18315.56
 Signed: [Signature]
 178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

SCOPE OF CRN REGISTRATION

PRODUCT DESCRIPTION

| Description | Design Standard | End Connections | Drawings | EH TI Document |
|---------------|-----------------------------------|---|--------------------------------|----------------------|
| Smartec CLD18 | ASME B31.3, ASME VIII-1-UG-401(m) | G 1-1/2, 2" ASME BPE, ISO2852, DIN 32676 Clamp Ferrule (Note 1), DN40-125 Varivent (Note 1) | R-0446, 401609, 401610, 401602 | TI01080C/07/EN/02.14 |

PRESSURE - TEMPERATURE RATINGS

| MDMT | MAWP AT 122 F | MAWP AT 230 F | MAWP AT 266 F |
|------|---------------|------------------|--------------------|
| 14F | 174 psig | 98 psig at 230 F | 72.5 psig at 266 F |

MATERIALS OF CONSTRUCTION

| PROCESS ADAPTER MATERIAL (NOTE 2) | SENSOR SHELL MATERIAL |
|--|-----------------------------|
| ASTM A479-316L, STAINLESS STEEL 1.4435 TYPE 316L, UNS S31603 | PEEK (POLYETHERETHERKETONE) |

NOTES
 THIS IS PART OF
 CRN 0F18315.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

Optional process adapter materials may be used.
 See Note 2.

MANUFACTURING LOCATIONS

| | |
|--|---|
| Endress+Hauser Conducta 70839 Gerlingen incl. manufacturing sites 04736 Waldheim and 64823 GroB-Umstadt, Germany | Endress+Hauser Conducta 215021 Suzhou, Endress+Hauser Analytical Instruments Suzhou Co. Ltd. P.R. China |
| Endress+Hauser Conducta 4123 LA Palma Ave., Anaheim, CA 92807, USA | |

Note 1) The assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows:
 N06022, B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55 (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);



Certificate

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

Endress+Hauser 

People for Process Automation

**Endress + Hauser Conducta
Gesellschaft für Mess-
und Regeltechnik mbH + Co. KG**
70839 Gerlingen
Germany

Certified area

Germany:

Endress+Hauser Conducta
70839 Gerlingen incl. manufacturing sites
04736 Waldheim and 64823 Groß-Umstadt

P. R. China

215021 Suzhou, Endress+Hauser Analytical Instruments Suzhou Co. Ltd.

USA

92807-1813 Anaheim, Endress+Hauser Conducta Inc.

Field of activity

Measurement technology for analysis of liquids

Standards

ISO 9001:2008

Quality Management System

ISO 14001:2004

Environmental Management System

OHSAS

Occupational Health and

18001:2007

Safety Management System

Swiss Association for Quality and
Management Systems SQS
Bernstrasse 103, CH-3052 Zollikofen
Issue date: April 1, 2014

This SQS Certificate is valid up to
and including **March 31, 2017**
Scope numbers 18, 19
Registration number 10705



Trusted Cert



X. Edelmann, President SQS



SCESm 001



R. Glauser, CEO SQS



Swiss Made





Saskatchewan
Municipal
Government

Saskatchewan

Protection Services
330 - 1851 Victoria Avenue
Regina, Saskatchewan
S4P 3V7

787-4509

April 23, 1998

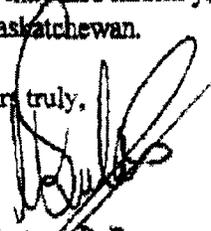
Re: Fittings Registration

The Province of Saskatchewan will be participating with Quebec, Manitoba and the Canadian Standards Association (CSA) in a pilot project for the registration of fittings. We will recognize registrations done by CSA and accept such fittings for use in Saskatchewan.

The letters CSA will be applied as a prefix to the CRN to indicate which fittings have been registered in this manner. I would appreciate if you could inform your clients of this additional marking requirement.

You may also inform your clients that fittings registered by CSA are accepted for use in Saskatchewan.

Yours truly,



N. Surtees, P. Eng.
Executive Director