

Montréal, 14 octobre 2021.

MADAME CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON
CANADA M9W 6N9

Fabricant : ENDRESS + HAUSER CONDUCTA INC
4123 EAST LA PALME AVE. S 200
ANAHEIM CA
USA 92807

Numéro de dossier : 948833

Numéro(s) de dessin(s) : CONDUMAX CLS15/CLS15D/CLS15E CONDUCTIVITY
SENSORS - ENDRESS + HAUSER CONDUCTA INC

Objet : Enregistrement des plans et devis – Confirmation de l'enregistrement

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0F17063.56**.

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7ième étage

Montréal (Québec) H2M 2V2

Téléphone : 514 873-6459

Sans frais : 1 866 262-2084

www.rbq.gouv.qc.ca

Montréal, le 14 octobre 2021.

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Manufacturer : ENDRESS + HAUSER CONDUCTA INC
4123 EAST LA PALME AVE. S 200
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USA 92807

OUR REFERENCE : 948833

Design number : CONDUMAX CLS15/CLS15D/CLS15E CONDUCTIVITY
SENSORS - ENDRESS + HAUSER CONDUCTA INC

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0F17063.56**.

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each equipment manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7ième étage
Montréal (Québec) H2M 2V2
Téléphone : 514 873-6459
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Statutory Declaration Registration of Fittings

(a) Design Qualification

Endress+Hauser 

I¹ LEONARD AMBROSINI
(Name of applicant)

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

of ENDRESS+HAUSER CONDUCTA INC.
(name of company)

Located at SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX
(plant address)

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

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 _____, 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 2000
A (commissioner for oaths) _____ Signature of Declarer³ _____
See attached acknowledgment

For Official Use Only	
The application is accepted for registration in Category _____ 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.	
Registered Number CRN _____	For the Chief Inspector _____
_____	Date _____



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 plan where the fitting is produced.

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Orange }

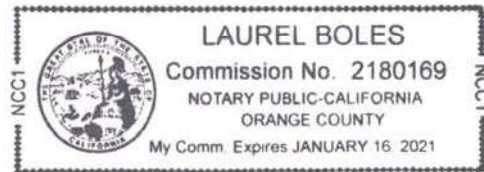
On 01/29/2020 before me, Laurel Boles,
(Here insert name and title of the officer)

personally appeared Leonard Ambrosini,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is are subscribed to the within instrument and acknowledged to me that he she/they executed the same in his her/their authorized capacity(ies), and that by his her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Laurel Boles
Notary Public Signature (Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Quebec Statutory Declaration
(Title or description of attached document)

Registration of Fittings
(Title or description of attached document continued)

Number of Pages 1 Document Date 01/29/2020

CAPACITY CLAIMED BY THE SIGNER

Individual (s)
 Corporate Officer

(Title)

Partner(s)
 Attorney-in-Fact
 Trustee(s)
 Other _____

INSTRUCTIONS FOR COMPLETING THIS FORM

- This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*
- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
 - Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
 - The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
 - Print the name(s) of document signer(s) who personally appear at the time of notarization.
 - Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he/she/they~~, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
 - The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
 - Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
 - Securely attach this document to the signed document with a staple.

SCOPE OF CRN REGISTRATION

PRODUCT DESCRIPTION

Description (Note 1)	Design Standard	Process Connections	Drawings	EH TI Document
Condumax CLS15 / CLS15D / CLS15E	ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101	1/2" NPT, 3/4" NPT, G1/2 and 1-1/2" ASME BPE, ISO2852 Clamp Ferrule (Note 2)	414908-B, 211052888-I, 140093-0415-F, 140584-0415-F	TI00109C/07/EN/14.14

PRESSURE - TEMPERATURE RATINGS

MDMT	MAXIMUM OPERATING CONDITIONS	NOTES
-4°F	13 bar absolute at 20°C / 188 psia (173.3 psig) at 68°F, 1 bar absolute at 120°C / 14 psia (0 psig) at 284°F - See EH TI Document	It is recommended that the sensor be subjected to sterilization at 284°F for only a short time (1 hour approximately)

MATERIALS OF CONSTRUCTION

PROCESS CONNECTION MATERIAL (NOTE 3,4)	SENSOR MATERIAL	NOTES
Type 316L Stainless Steel ASTM A479-316L, (1.4404, 1.4435), UNS S31603 and PES-GF20 (Polyethersulfone)	Type 316L Stainless Steel ASTM A479-316L, (1.4404, 1.4435), UNS S31603, PES-GF20 (Polyethersulfone)	Optional process connection materials may be used. See Note 3.

Note 1) This CRN Registration covers the CLS15, CLS15D and CLS15E conductivity sensors. During the lifecycle of this product it may be necessary to update the sensor electronics that have no effect on the pressure retaining ability of the sensor. When this occurs the E in the product code will change to F which is the next letter in the alphabet. This process of updating the sensor electronics may occur multiple times during lifecycle of this product and therefore as long as the pressure retaining components of the sensor do not change the last letter in the above product code has no effect on the validity of the CRN.

Note 2) The ASME BPE Ferrule 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.



SCOPE OF CRN REGISTRATION

Note 3) The following additional alloys of superior or equivalent properties to those listed above are also included in the Scope of Registration:

- ASTM A182-316L
 - ASTM A182-304
 - ASTM A479-304
 - ASTM A182-304L
 - ASTM A479-304L
 - ASTM A182-316
 - ASTM A479-316
 - ASTM B462 UNS N08020 Alloy 20
 - ASTM B366 UNS N08020 Alloy 20
 - ASTM B564 UNS N10276 Hastelloy C-276
 - ASTM B574 UNS N10276 Hastelloy C-276
 - ASTM B366 UNS N06022 Hastelloy C22
 - ASTM B564 UNS N06022 Hastelloy C22
 - ASTM B462 UNS N10675 Hastelloy B3
 - ASTM B564 UNS N10675 Hastelloy B3
 - ASTM B335 UNS N10675 Hastelloy B3
 - ASTM B564 UNS N04400 Monel 400 (Limited to 100°F max. under this CRN)
 - ASTM B164 UNS N04400 Monel 400 (Limited to 100°F max. under this CRN)
 - ASTM B166 UNS N06600 Inconel 600
 - ASTM B564 UNS N06600 Inconel 600
 - ASTM B564 UNS N06625 Inconel 625
 - ASTM B446 UNS N06625 Inconel 625
 - ASTM B425 UNS N08825 Inconel 825
 - ASTM B564 UNS N08825 Inconel 825
 - ASTM A479 UNS S31803 Duplex
 - ASTM A182-F51 UNS S31803 Duplex
 - ASTM A479 UNS S32750 Super Duplex
 - ASTM A182-F53 UNS S32750 Super Duplex
 - ASTM A479 UNS S32760 Super Duplex
 - ASTM A182-F55 UNS S32760 Super Duplex
 - ASTM B381-F3 UNS R50550 Titanium Grade 3
- (Note Titanium limited to 247°F max for ASME B31.3 Service and 173°F max. for ASME B31.1 Service under this CRN.)



Note 4) 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 unlisted material.

Note 5) See Attached List of Endress+Hauser Manufacturing Locations applicable to this CRN.

WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

**ENDRESS+HAUSER CONDUCTA GMBH & CO. KG LOCATIONS
& CERTIFYING AUTHORITIES**

(rev. June 17, 2020)

Endress+Hauser Conducta GmbH & Co. KG

Dieselstrasse 24 / Postfach 100 154
70839 Gerlingen
Germany
ISO 9001 Certified by SQS

Endress+Hauser Conducta GmbH & Co. KG

Siemensstraße 2
64823 Groß-Umstadt
Germany
ISO 9001 Certified by SQS

Endress+Hauser Conducta Waldheim

Gewerbegebiet Richzenhain
Landsberger Straße 28
04736 Waldheim
Germany
ISO 9001 Certified by SQS

Endress+Hauser Conducta, Inc.

4123 East La Palma Ave, Suite 200
Anaheim, CA 92807
United States of America
ISO 9001 Certified by SQS

**Endress+Hauser Analytical Instruments
(Suzhou) Co., Ltd.**

No. 31 JiangTianLiLu
Suzhou Industrial Park 215126
People's Republic of China
ISO 9001 Certified by SQS

