



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

April 8, 2021

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CANADA

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 8005826
Your Reference No.: R-1117D
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 : 0F17064.5R1

Main Design No.: Renewal - Condumax CLS21/CLS21D/CLS21E Conductivity Sensors – See stamped Scope of CRN Registration

Expiry Date: Apr 08, 2031

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 (There will be no hard copies for electronic submissions). 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
Engineer, BPV
Tel. : +1 416-734-3566
Email : Wdu@tssa.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

STATUTORY DECLARATION Registration of Fittings

I, LEONARD AMBROSINI, GENERAL MANAGER
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENDRESS+HAUSER CONDUCTA INC.
(Name of Manufacturer)

Located at SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX 1-714-577-5600
(Plant Address) (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 B31.1
(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 which has been verified by the following authority, SQS

The items covered by this declaration, for which I seek registration, are category F 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 _____ in the _____ of _____

the _____ day of _____ AD 20_____.

Commissioner for Oaths:

see attached acknowledgment

(Printed name)

(Signature)

[Signature]

(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 _____.

CRN: _____

Registered by: _____

Dated: _____

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0F17064.5R1

Signed: *[Signature]*

Date: April 8, 2021.

NOTE: This registration expires on April 08, 2031

Condumax CLS21/CLS21D/CLS21E Conductivity Sensors – See stamped Scope of CRN Registration

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)

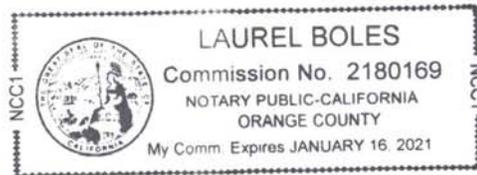
personally appeared Leonard Ambrosini,
who proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) (s) are subscribed to the within instrument and acknowledged to me that
(he) she/they executed the same in (his) her/their authorized capacity(ies), and that by
(his) her/their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

Technical Standards & Safety Authority
(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 CLS21 / CLS21D / CLS21E | ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101 | 1" NPT, G1 and 2" ASME BPE, ISO2852 Clamp Ferrule (Note 2) | 427148-B, 418507-A, 418511-A, 416395-B | TI00085C/07/EN/15.18 |

PRESSURE - TEMPERATURE RATINGS

| MDMT | MAWP AT 68°F | MAWP AT 275°F | NOTES |
|------|--------------|---------------|-------|
| -4°F | 246 psia | 51 psia | None |

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), Graphite, Titanium 3.7035 | Optional process connection materials may be used. See Note 3. |

Note 1) This CRN Registration covers the CLS21, CLS21D and CLS21E 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.

THIS IS PART OF CRN
0F17064.5R1
 Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety Program

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.)

THIS IS PART OF CRN
0F17064.5R1
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

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

THIS IS PART OF CRN
0F17064.5R1
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

July 18, 2021

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

The design submission, tracking number 2021-03737, originally received on July 08, 2021 was surveyed and accepted for registration as follows:

CRN : 0F17064.52 **Accepted on:** July 18, 2021
Reg Type: RENEWAL **Expiry Date:** April 08, 2031
Drawing No. : SCOPE OF CRN REGISTRATION
Fitting type: CONDUMAX CLS21/CLS21D/CLS21E
Design registered in the name of : ENDRESS + HAUSER CONDUCTA INC

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

- ** *The Scope of this Registration include renewal, and addition of Condumax CLS21E*
- ** *Design Report #: R-1117D Rev 0*
- ** *See attached Worldwide Locations Appendix for a list of manufacturing locations*

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

- *It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- *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 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,



DICK, ASHLING, P. Eng.



the pressure equipment safety authority

9410 - 20 Ave N.W.
Edmonton, Alberta, Canada T6N 0A4
Tel: (780) 437-9100 / Fax: (780) 437-7787

July 18, 2021

DOP Cert. No. D00007936

STATUTORY DECLARATION Registration of Fittings

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



I, LEONARD AMBROSINI, GENERAL MANAGER
(name of applicant) (position title) (must be in a position of authority)
of ENDRESS+HAUSER
(name of manufacturer)
located at SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (check one)

- comply with the requirements of ASME B31.3, ASME B31.1 which specifies the dimensions, (title of recognized North American Standard) materials of construction, pressure/temperature ratings and identification marking of the fittings, 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 (title of code of construction or other applicable document) 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 manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, SQS (ISO 9001) as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

CATEGORY F

(brief description of fittings)

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

DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN **

DECLARED before me at _____ in the _____ of _____
(city) (province or state)
this _____ day of _____, _____
(Month) (Year)
(print) _____
(a Commissioner of Oaths or Notary Public)
(sign) _____
(a Commissioner of Oaths or Notary Public)

See attached acknowledgment

(signature of applicant)

For ABSA Office Use Only:

NOTES: **** Condumax CLS21/CLS21D/CLS21E Conductivity Sensors. See attached scope of CRN Registration.**

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category _____

Registration Number: _____
(Signature of the Administrator/SGP)

Date Registered: _____ Expiry Date: _____

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Pressure Equipment Discipline.

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: **CF17064.52**

See acceptance letter for conditions of registration.

Date: **2021-07-18** By: *Ashling Dick*

ASHLING DICK, P. Eng.
DOP: D00007936

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act

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 }

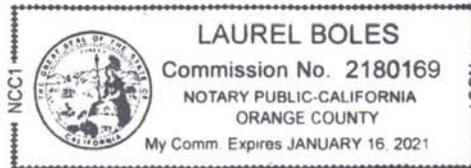
On 01/29/2020 before me, Laurel Boles,
(Here insert name and title of the officer)

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

Alberta 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 CLS21 / CLS21D / CLS21E | ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101 | 1" NPT, G1 and 2" ASME BPE, ISO2852 Clamp Ferrule (Note 2) | 427148-B, 418507-A, 418511-A, 416395-B | TI00085C/07/EN/15.18 |

PRESSURE - TEMPERATURE RATINGS

| MDMT | MAWP AT 68°F | MAWP AT 275°F | NOTES |
|------|--------------|---------------|-------|
| -4°F | 246 psia | 51 psia | None |

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), Graphite, Titanium 3.7035 | Optional process connection materials may be used. See Note 3. |

Note 1) This CRN Registration covers the CLS21, CLS21D and CLS21E 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 the same CRN and shall have pressure-temperature ratings the same or higher than the product ratings.

2021-03737

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: OF17064.52

See acceptance letter for conditions of registration.

Date: 2021-07-18 By:

ASHLING DICK, P. Eng.
DOP: D00007936

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act

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

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

| | |
|--|--|
| Manufacturers Name: <u>ENDRESS+HAUSER CONDUCTA INC.</u> | |
| Manufacturers Address: <u>SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX</u> | |
| Plant Locations: <u>SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX</u> | |
| Category of Fittings to be registered. Circle one Category only. | |
| A. Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B. Flanges: all flanges C. Valves: all line valves D. Expansion joints, flexible connections, and hose assemblies: all types E. Strainers, filters, separators, and steam traps F. Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G. Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs. H. Pressure retaining components that do not fall into one of the above categories N. Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements). | Title of the Standard of Construction ASME B31.3 ASME B31.1 |
| Show Manufacturers Name, Trademark, or Logo as it will appear on the product <div style="text-align: center; font-size: 1.2em;"> Endress + Hauser </div> | |
| List of supporting documentation and identification of the actual items to be registered: - DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN | |
| Type of Construction Forged <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: Plastic | |

Declaration:

I, LEONARDO AMEROSINI, GENERAL MANAGER (see note 3), employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by ISO 9001:2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at [Signature]
 This [Signature] day of [Signature] AD [Signature]
 Commissioner of Oaths
 Or Notary Public: (sign) [Signature]
 (Affix Official seal to the right)

See attached Acknowledgment

Use this space for the Official Seal

| | |
|---|---|
| This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance. | |
| CRN: <u>0F17064.5Rev1</u> FID#: <u>Fid-14878</u> | ACCEPTED PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT C.R.N. <u>0F17064.59REV1</u> DATE: <u>July 20/21</u> |
| Notes: 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation. | INSPECTION SERVICES SECTION <small>Rev. 1.0 - Fittings Rev. 2</small> BOILER/PRESSURE VESSEL BRANCH |
| 11/2016 | |

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

| | |
|---|---|
| Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC. | |
| Manufacturers Address: SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX | |
| Plant Locations: SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX | |
| <p align="center">Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/>. (Meeting CNSC or ASME requirements)</p> <p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <p align="center">Endress+Hauser </p> | <p align="center">Title of the Standard of Construction</p> <p>ASME B31.3 ASME B31.1</p> |
| <p align="center">Type of Construction</p> <p>Forged <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: <p align="center">Plastic</p> </p> | |
| <p>List of supporting documentation and identification of the actual items to be registered:</p> <p>- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p> | |

Declaration:

I LEONARD AMBROSINI, GENERAL MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by 605 050 0011 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: _____
 Declared before me at _____
 This _____ day of _____ AD _____
 Commissioner of Oaths _____
 Or Notary Public: (sign) _____
 (Affix Official seal to the right)

See attached Acknowledgment

Use this space for the Official Seal

This space for Regulatory Authority use.
 This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F17064.5Rev1
 FID#: Fid-14878

Notes:

- All Fittings shall be registered in the name of the Manufacturer.
- Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality Control programs shall be resubmitted for validation.

Sect 1.0 - Fittings Rev.2

11/2015

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

| | |
|---|--|
| Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC. | |
| Manufacturers Address: SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX | |
| Plant Locations: SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX | |
| <p align="center">Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)</p> | <p align="center">Title of the Standard of Construction</p> <p>ASME B31.3 ASME B31.1</p> |
| <p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <p align="center">Endress+Hauser </p> | <p align="center">Type of Construction</p> <p>Forged <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/> Describe other: Plastic</p> |
| <p>List of supporting documentation and identification of the actual items to be registered:</p> <p>- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p> | |

Declaration:

I LEONARD AMBROSINI, GENERAL MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS (ISO 9001) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: _____
 Declared before me at _____
 This _____ day of _____ AD _____
 Commissioner of Oaths _____
 Or Notary Public: (sign) _____
 (Affix Official seal to the right)

See attached Acknowledgment

Use this space for the Official Seal

New Brunswick
 Nouveau Brunswick

DEPT OF JUSTICE PUBLIC SAFETY
 BOILER & PRESSURE VESSEL ACT

REGISTRATION ONLY
 CRN OF17064.57 Rev1

CHIEF BOILER INSPECTOR

DATE July 16/21

Sect 1.0 - Fittings Rev.2

BLRs PVs

FITTINGS NUCLEAR COMPONENTS

This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from _____

CRN: OF17064.5 Rev1

FID#: Fid-14878

Notes:

- All Fittings shall be registered in the name of the Manufacturer.
- Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
- The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
- Quality Control programs shall be resubmitted for validation.

11/2016

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

| | |
|---|---|
| Manufacturers Name: <u>ENDRESS+HAUSER CONDUCTA INC.</u> | |
| Manufacturers Address: <u>SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX</u> | |
| Plant Locations: <u>SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX</u> | |
| <p align="center">Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p> | <p align="center">Title of the Standard of Construction</p> <p>ASME B31.3 ASME B31.1</p> |
| <p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <p align="center">Endress+Hauser </p> | |
| <p align="center">Type of Construction</p> <p>Forged <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: Plastic</p> | |
| <p>List of supporting documentation and identification of the actual items to be registered:</p> <p>- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p> | |

Declaration:

I LEONARDO AMBROSINI, GENERAL MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SOS (SOS 1001) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: _____
 Declared before me at _____
 This _____ day of _____ AD _____
 Commissioner of Oaths
 Or Notary Public: (sign) _____

(Affix Official seal to the right)

See attached Acknowledgment

Use this space for the Official Seal

| | |
|---|--|
| <p>This space for Regulatory Authority use.</p> <p>This registration must be revalidated after ten (10) years from the date of acceptance.</p> | |
| <p>CRN: <u>0F17064.5Rev1</u></p> <p>FID#: <u>Fid-14878</u></p> <p>Notes:</p> <ol style="list-style-type: none"> All Fittings shall be registered in the name of the Manufacturer. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. Quality Control programs shall be resubmitted for validation. <p>11/2018</p> | <p>Newfoundland Labrador Service NL</p> <p>Registered <u>0F17064.50 Rev 1</u> Date <u>21/07/20</u> Engineering and Inspection Services Registered by: _____</p> <p>UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSELS AND COMPRESSED GAS REGULATIONS</p> |

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

| | |
|--|---|
| Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC. | |
| Manufacturers Address: SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX. | |
| Plant Locations: SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX. | |
| Category of Fittings to be registered. Circle one Category only. | |
| <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs.</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/>. (Meeting CNSC or ASME requirements).</p> | <p align="center">Title of the Standard of Construction</p> <p>ASME B31.3 ASME B31.1</p> |
| <p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <div style="text-align: center; font-size: 24px; font-weight: bold;"> Endress+Hauser </div> | |
| <p align="right">Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/></p> <p>Cast <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Describe other: Plastic</p> | |
| <p>List of supporting documentation and identification of the actual items to be registered:</p> <p>- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p> | |

Declaration:

I **LEONARD AMBROSINI, GENERAL MANAGER** (see note 3) employed by **ENDRESS+HAUSER** and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by **BSI 050 8001** as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: _____

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

See attached Acknowledgment

Use this space for the Official Seal

| | |
|--|---|
| <p>CRN: 0F17064.5Rev.1</p> <p>FID#: Fid-14878</p> <p>Notes:</p> <ol style="list-style-type: none"> All Fittings shall be registered in the name of the Manufacturer. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. Quality Control programs shall be resubmitted for validation. <p>11/2016</p> | <p><small>This space for Regulatory Authority use.</small></p> <p><small>This registration must be revalidated after ten (10) years from the date of acceptance.</small></p> <p>BY _____</p> <p>CRN 0F17064.5Y REV1</p> <p>DATE 07/16/2021</p> <p><small>Section 6 Fittings Rev.2</small></p> |
|--|---|

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

| | |
|---|---|
| Manufacturers Name: ENDRESS+HAUSER CONDUCTA INC. Manufacturers Address: SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX Plant Locations: SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX | |
| Category of Fittings to be registered. Circle one Category only A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges G Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs. H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements) | Title of the Standard of Construction ASME B31.3 ASME B31.1 |
| Show Manufacturers Name, Trademark, or Logo as it will appear on the product <div style="text-align: center; font-size: 2em;"> Endress+Hauser </div> | |
| Type of Construction Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: Plastic | |
| List of supporting documentation and identification of the actual items to be registered: - DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN | |

Declaration:

I **LEONARDO AMERSONI, GENERAL MANAGER** (see note 3) employed by **ENDRESS+HAUSER** and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by **me as soon** as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: _____
 Declared before me at _____
 This _____ day of _____ AD _____
 Commissioner of Oaths
 Or Notary Public: (sign) _____
 (Affix Official seal to the right)

See attached Acknowledgment
 Use this space for the Official Seal

This space for Regulatory Authority use.
 This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: **0F17064.5Rev1**
 FID#: **Fid-14878**

Notes:
 1. All Fittings shall be registered in the name of the Manufacturer.
 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.
 4. Quality Control programs shall be resubmitted for validation.

Northwest Territories
REGISTERED
UNDER THE AUTHORITY OF
THE BOILER AND PRESSURE
VESSEL ACT.
 C.R.N. **0F17064.51 Rev1**
 SIGNED _____
 DATE **July 19 2021**

65.00
 2021-10 - Fittings Rev.2

11/2016

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

| | |
|---|--|
| Manufacturers Name: <u>ENDRESS+HAUSER CONDUCTA INC.</u> | |
| Manufacturers Address: <u>SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX</u> | |
| Plant Locations: <u>SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX</u> | |
| Category of Fittings to be registered. Circle one Category only | |
| A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements) | Title of the Standard of Construction ASME B31.3 ASME B31.1 |
| Show Manufacturers Name, Trademark, or Logo as it will appear on the product | |
| Endress+Hauser | Type of Construction Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: Plastic |
| List of supporting documentation and identification of the actual items to be registered: - DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN | |

Declaration:

I LEONARD AMERSON GENERAL MANAGER (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by see above as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: _____
 Declared before me at _____
 This _____ day of _____ AD _____
 Commissioner of Oaths
 Or Notary Public: (sign) _____

See attached Acknowledgment

Use this space for the Official Seal

(Affix Official seal to the right)

| | |
|---|--|
| CRN: <u>0F17064.5Rev1</u> FID#: <u>Fid-14878</u> Notes: 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality Control programs shall be resubmitted for validation. 11/2016 | This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance. <div style="border: 1px solid black; padding: 5px; display: inline-block;"> NUNAVUT Boilers and Pressure Vessels Act REGISTERED CRN <u>0F17064.5N Rev1</u> Date <u>July 15, 2021</u> Signed _____ Chief Inspector </div> Territorial Registration Fee |
|---|--|

TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON M9W 6N9

Date: August 4, 2021
Account #: 35231
Journal #: 78441

Attn: TSSA

Re: Application for Design Registration

The design, as detailed in your, 0F17064.5R1-ENDRESS+HAUSER CONDUCTA INC, for a Fitting is accepted for registration as follows:

Registered To: ENDRESS + HAUSER CONDUCTA **CRN:** 0F17064.51
INC

Drawing #: Scope of registration

Drawing Revision: N/A

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

Scope of registration: Renewal - Condumax CLS21/CLS21D/CLS21E Conductivity Sensors – See stamped Scope of CRN Registration.

As required by CSA B51 4.2.1, this registration expires on 08-APR-2031. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void. Any additional conditions of registration stated in TSSA CRN# 0F17064.5R1 registration shall apply to BC registration.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

Janina Mihailescu

janina.mihailescu@technicalsaftybc.ca
Design Administration

cc:



Inspection and Technical Services
Municipal Relations
508-401 York Ave
Winnipeg, Manitoba Canada R3C 0P8
T 204-945-3373 F 204-948-2089
www.firecomm.gov.mb.ca/itsm_main

16 July 2021

TSSA
345 Carlingview Drive
Toronto, ON M9W 6N9

Dear Tanya Francis

Re: Reciprocal CRN Registration in Manitoba

Your application indicates that a CRN has been received in another Canadian Jurisdiction, and therefore your CRN has been registered in Manitoba as follows:

File Number: 74-R1633
CRN: 0F17064.54
Scope: SOR: Condumax CLS21 / CLS21D / CLS21E conductivity sensors
Manufacturer: Endress + Hauser Conducta Inc.
Expiry Date: 8 April 2031

Please find attached invoice for registration.

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, a CRN issued in any Canadian Jurisdiction will be accepted for use in Manitoba.

In accordance with Steam and Pressure Plants Regulation and CSA B51, it is the manufacturer's responsibility to file a Manufacturers Data Report, including partial data reports, with our office, prior to shipping pressure equipment to Manitoba.

Please contact gasupport@gov.mb.ca for any questions or concerns.

Inspection and Technical Services
Municipal Relations
508 - 401 York Avenue, Winnipeg Manitoba R3C 0P8
T (204) 945-3373 | F (204) 948-2089

Montréal, 29 juillet 2021.

MADAME TANYA FRANCIS
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W6N9

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

Numéro de dossier : 949211
Numéro(s) de dessin(s) : PER SCOPE OF REGISTRATION

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 : **0F17064.56**.

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 29 juillet 2021.

MRS. TANYA FRANCIS
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W6N9

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

OUR REFERENCE : 949211
Design number : PER SCOPE OF REGISTRATION

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): **0F17064.56**.

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
Sans frais : 1 866 262-2084
www.rbq.gouv.qc.ca

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)

See attached acknowledgment

Signature of Declarer³

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 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 of highest official in the manufacturing plant 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~~)isare subscribed to the within instrument and acknowledged to me that
heshe/they executed the same in hisher/their authorized capacity(ies), and that by
hisher/their signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of
which the person(~~s~~) acted, executed the instrument.

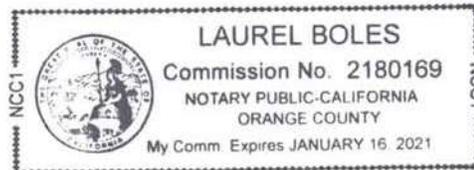
I certify under PENALTY OF PERJURY under the laws of the State of California that
the foregoing paragraph is true and correct.

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 CLS21 / CLS21D / CLS21E | ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101 | 1" NPT, G1 and 2" ASME BPE, ISO2852 Clamp Ferrule (Note 2) | 427148-B, 418507-A, 418511-A, 416395-B | TI00085C/07/EN/15.18 |

PRESSURE - TEMPERATURE RATINGS

| MDMT | MAWP AT 68°F | MAWP AT 275°F | NOTES |
|------|--------------|---------------|-------|
| -4°F | 246 psia | 51 psia | None |

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), Graphite, Titanium 3.7035 | Optional process connection materials may be used. See Note 3. |

Note 1) This CRN Registration covers the CLS21, CLS21D and CLS21E 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



REGISTRATION OF A PRESSURE FITTING DESIGN

31-Aug-21

TSSA
345 Carlingview Drive
Toronto, Ontario
M9W 6N9

Attention: Tanya Francis

File Number: 12184 [0 F]

Re: Manufacturer: Endress+Hauser Conducta Inc.
Item: Condumax CLS21 / CLS21D / CLS21E Sensors
Catalog or Drawing: Per Scope of Registration (08-Mar-21) & Design Report R-1117D Rev. 0

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OF17064.53 Expiry Date: April 8, 2031

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,



Athan Syrgiannis, P.Eng.
Codes and Standards Compliance

Remarks:

A valid quality control program must be maintained at the production facilities for the fitting registration to remain valid until the expiry date.

CRN renewal, not previously registered in Saskatchewan.

See Worldwide Locations Appendix (rev. June 17, 2020) for list of manufacturing locations.

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, LEONARD AMBROSINI
GENERAL 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)
of: ENDRESS+HAUSER CONDUCTA INC.
(name of manufacturer)

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



located at: SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX
(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 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

II. Declaration

DECLARED before me at _____ In the _____ of _____
this _____ day of _____
(print name) _____
(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 _____



**Technical
Safety Authority**
of Saskatchewan

Registration No. OF17064.53
File No. 12184
Registered
Date: August 31, 2021
Expiry Date: April 8, 2031
Codes & Standards Compliance Office

(Date Registered - MM DD YYYY)
(For the Administrator / Chief Inspector)

(Expiry Date - MM DD YYYY)

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~~)isare 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.

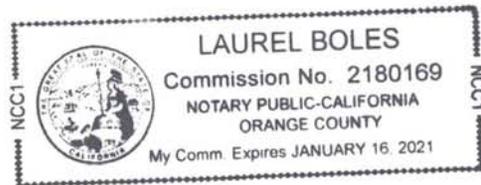
I certify under PENALTY OF PERJURY under the laws of the State of California that
the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Laurel Boles

Notary Public Signature

(Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

TSA of Saskatchewan

(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.

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



Technical Safety Authority of Saskatchewan
 Registration No. OF17064.53
 File No. 12184
 Registered
 Date: August 31, 2021
 Expiry Date: April 8, 2031
 Codes & Standards Compliance Office

08-Mar-21

Page 1 of 2

SCOPE OF CRN REGISTRATION

PRODUCT DESCRIPTION

| Description (Note 1) | Design Standard | Process Connections | Drawings | EH TI Document |
|----------------------------------|--|--|--|----------------------|
| Condumax CLS21 / CLS21D / CLS21E | ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101 | 1" NPT, G1 and 2" ASME BPE, ISO2852 Clamp Ferrule (Note 2) | 427148-B, 418507-A, 418511-A, 416395-B | TI00085C/07/EN/15.18 |

PRESSURE - TEMPERATURE RATINGS

| MDMT | MAWP AT 68°F | MAWP AT 275°F | NOTES |
|------|--------------|---------------|-------|
| -4°F | 246 psia | 51 psia | None |

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), Graphite, Titanium 3.7035 | Optional process connection materials may be used. See Note 3. |

Note 1) This CRN Registration covers the CLS21, CLS21D and CLS21E 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.

ENDRESS+HAUSER CONDUCTA INC.

4123 LA PALMA AVE.
ANAHEIM, CA
92807, USA



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

