



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

www.tssa.org

May 13, 2024

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14209739
Your Reference No.: R-1949
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 : 0F17062.5R1
Main Design No.: Oxygen Sensors COS22, COS22D & COS22E per Scope of Registration
Expiry Date: May 13, 2034

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,

A handwritten signature in black ink, appearing to read "Zivko Gacevic".

Zivko Gacevic , P. Eng.
Engineer, BPV
Tel. : +1 416-734-3429
Email : zgacevic@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 1-714-577-5658
(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:9001:2015 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_____

See attached acknowledgment.

Commissioner for Oaths:

(Printed name)

(Signature)

[Signature] 08/24/2023
(Signature of Declarer)

FOR OFFICE USE ONLY

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

CRN: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on May 13, 2034

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0F17062.5R1

Signed: *[Signature]*

Date: May 13, 2024.

Note: See attached documents for Scope of Registration and Manufacturing locations.

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 08/24/2023 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

TSSA Declaration Registration

(Title or description of attached document)

of Fittings

(Title or description of attached document continued)

Number of Pages 1 Document Date 08/24/2023

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

Description	EH TI Document	Design Standard	Process Connections	Materials of Construction (Wetted)
Memosens COS22/COS22D/COS22E	TI01619C/07/EN/02.22-00, TI00446C/07/EN/04.15-00	ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101	PG13.5 Thread	FKM (Plastic), Stainless Steel 1.4435 (AISI 316L), Titanium, Hastelloy, Silicone

MAWP at 23°F	MAWP at 176°F	MAWP at 275°F	MDMT	Design Report
159 psig at 23°F (174 psi absolute at 23°F)	159 psig at 176°F (174 psi absolute at 176°F)	72 psig at 275°F (87 psi absolute at 275°F)	23°F	R-1949 Rev. 0

Note 1) MAWP = Maximum Allowable Working Pressure, MDMT = Minimum Design Metal Temperature.

Note 2) This CRN Registration covers COS22/COS22D/COS22E 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 the lifecycle of this product and therefore as long as the pressure retaining components of the sensor do not change the applicable letter in the above product code has no effect on the validity of the CRN.

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

Note 4) See Attached List of Endress+Hauser Manufacturing locations applicable to this CRN.

THIS IS PART OF CRN
OF 17062.5R1
 Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety
 Program

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
0F17062.5R1
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

Montréal, 16 juillet 2024.

CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W6N9

Fabricant : ENDRESS + HAUSSER CONDUCTA INC.
4123 E LA PALMA AVE.
ANAHEIM CA
U.S.A. 92807

Numéro de dossier : 943730
Numéro(s) de dessin(s) : Scope of registration R-1949 Rev 0

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 : **0F17062.56**.

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.

Salutations distinguées,

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

Montréal

255, boul. Crémazie Est, 2^{ième} étage
Montréal (Québec) H2M 1L5
Téléphone : 514 873-2546
Sans frais : 1 866 262-2084
enregistrementdesplans@rbq.gouv.qc.ca
www.rbq.gouv.qc.ca

Montréal, le 16 juillet 2024.

CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W6N9

Manufacturer : ENDRESS + HAUSSER CONDUCTA INC.
4123 E LA PALMA AVE.
ANAHEIM CA
U.S.A. 92807

OUR REFERENCE : 943730
Design number : Scope of registration R-1949 Rev 0

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): **0F17062.56.**

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 boiler or pressure vessel 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

255, boul. Crémazie Est, 2ième étage
Montréal (Québec) H2M 1L5
Téléphone : 514 873-2546
Sans frais : 1 866 262-2084
enregistrementdesplans@rbq.gouv.qc.ca
www.rbq.gouv.qc.ca


Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.


1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional information (detail, calculations or approval sheets)
1	SENSORS	
2	SCOPE OF CRN, REPORTS	
3	DRAWINGS	
4	CALCULATIONS	
5	COMPANY LOGO - SEE RIGHT	

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design	
I, the undersigned, <u>Leonard Ambrosini</u>	<u>General Manager</u>
(Name of the person in charge)	(Title of the person in charge)
from <u>Endress+Hauser Conducta Inc</u> , located at <u>See Attached Worldwide Locations Appendix</u>	
(Company's name)	(Plant's address)
hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:	
<input checked="" type="checkbox"/> comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose or ASME B31.1, ASME B31.3	
<input type="checkbox"/> are not covered by the ANSI/ASME codes, but are in compliance with _____ (Name of code or standard)	
code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.	
2.2 Manufacturing quality control	
I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: <u>ISO 9001:2015</u> , and has been verified by <u>SQS</u>	
(Name of code)	(Authorized agency)
Signature of the person in charge: 	Date (yyyy-mm-dd): <u>2023-08-24</u>

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at _____, on _____ (Location) (Date (yyyy-mm-dd)):	
Signature of commissioner for oaths:	Date (yyyy-mm-dd):
Stamp the seal: <p style="text-align: center;">See attached Acknowledgment</p>	

4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.	
This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.	
Canadian registration number (CRN):	Registration date (yyyy-mm-dd):



Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

Sending the form

This declaration is necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementsdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.

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

22-Nov-23

Page 1 of 1

SCOPE OF CRN REGISTRATION

Description	EH TI Document	Design Standard	Process Connections	Materials of Construction (Wetted)
Memosens COS22/COS22D/COS22E	TI01619C/07/EN/02.22-00, TI00446C/07/EN/04.15-00	ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101	PG13.5 Thread	FKM (Plastic), Stainless Steel 1.4435 (AISI 316L), Titanium, Hastelloy, Silicone
MAWP at 23°F	MAWP at 176°F	MAWP at 275°F	MDMT	Design Report
159 psig at 23°F (174 psi absolute at 23°F)	159 psig at 176°F (174 psi absolute at 176°F)	72 psig at 275°F (87 psi absolute at 275°F)	23°F	R-1949 Rev. 0

Note 1) MAWP = Maximum Allowable Working Pressure, MDMT = Minimum Design Metal Temperature.

Note 2) This CRN Registration covers COS22/COS22D/COS22E 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 the lifecycle of this product and therefore as long as the pressure retaining components of the sensor do not change the applicable letter in the above product code has no effect on the validity of the CRN.

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

Note 4) 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>	
<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><input checked="" type="radio"/> 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" style="font-size: 2em;">Endress+Hauser </p>	
<p align="center">Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/> Describe other: Non-Metal</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 SAS (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] 08-24-2023

Declared before me at _____

This _____ day of _____ AD _____

Use this space for the Official Seal

Commissioner of Oaths See attached acknowledgment

Or Notary Public: (sign) _____

(Affix Official seal to the right)

<p>This space for Regulatory Authority use.</p> <p>This registration must be revalidated after ten (10) years from the date of issuance.</p>	
<p>CRN: <u>0F17062.5 Rev1</u></p> <p>FID#: <u>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>Scope: CRN renewal, Oxygen Sensors Memosens COS22, COS22D & COS22E, 5 plant locations. Added order code COS22E. Corrected the CRN pressure ratings from gauge pressure to absolute. (DGallant)</p>	<p>PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT</p> <p>C.R.N. <u>0F17062.57RCW1</u></p> <p>DATE: <u>JUL 5/24</u></p> <p><u>[Signature]</u> INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH</p> <p align="right">Sect 1.0 - Fittings Rev.2</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	
<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 <input checked="" type="radio"/> 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> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <h1 style="margin: 0;">Endress+Hauser</h1> </div> <div style="text-align: right;"> <p align="center">Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/> Describe other: Non-Metal</p> </div> </div>	
<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 **SOS (S0 90012015)** 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: *LA* 08-24-2023

Declared before me at _____

This _____ day of _____ AD _____

Use this space for the Official Seal

Commissioner of Oaths See attached acknowledgment
 Or Notary Public: (sign) _____

(Affix Official seal to the right)

<p align="center"><small>This space for Regulatory Authority use</small></p> <p align="center"><small>This registration must be revalidated after ten (10) years from the date of acceptance</small></p> <p>CRN: 0F17062.5 Rev1</p> <p>FID#: 14878</p> <p>Notes:</p> <ol style="list-style-type: none"> 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. <p><small>Scope: CRN renewal. Oxygen Sensors Memosens COS22, COS22D & COS22E, 5 plant locations. Added order code COS22E. Corrected the CRN pressure ratings from gauge pressure to absolute. (DGallant)</small></p>	<p>Date July 5/24</p> <p>C.R.N. 0F17062.58 Rev. 1</p> <p>Dwg. as described</p> <p>Signed <u><i>JD</i></u></p> <p>1 of 1 Part</p> <p align="right"><small>Sect 1.0 - Fittings Rev.2</small></p>
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick Nova Scotia Prince Edward Island Newfoundland and Labrador
 Nunavut Yukon Northwest Territories

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 <input checked="" type="radio"/> 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> <div style="text-align: center; font-size: 2em; font-weight: bold;">Endress+Hauser</div>	
<p>Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/> Describe other: Non-Metal</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 9001:2015) 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] 08-24-2023

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths See attached acknowledgment

Or Notary Public: (sign) _____

(Affix Official seal to the right)

Use this space for the Official Seal

Brunswick
 DEPT OF JUSTICE PUBLIC SAFETY
 BOILER & PRESSURE VESSEL ACT

REGISTRATION ONLY

CRN 0F17062.57 Rev1

[Signature]
 CHIEF BOILER INSPECTOR
 DATE 7/5/24

BLRs PVs Sect 1.0 - Fittings Rev.2
 FITTINGS NUCLEAR COMPONENTS

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

CRN: 0F17062.5 Rev1

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.

Scope: CRN renewal. Oxygen Sensors Memosens COS22, COS22D & COS22E, 5 plant locations. Added order code COS22E. Corrected the CRN pressure ratings from gauge pressure to absolute. (DGallant)


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>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><input checked="" type="radio"/> 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>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>Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/></p> <p>Describe other: Non-Metal</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 308 (50 80012015) 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] 08-24-2023

Declared before me at _____

This _____ day of _____ AD _____

Use this space for the Official Seal

Commissioner of Oaths

See attached acknowledgment

Or Notary Public: (sign) _____

(Affix Official seal to the right)

<p>CRN: <u>0F17062.5 Rev1</u></p> <p>FID#: <u>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. Scope: CRN renewal, Oxygen Sensors Memosens COS22, COS22D & COS22E & plant locations. Added order code COS22E. Corrected the CRN pressure ratings from gauge pressure to absolute. (DGallant) 	<p>This space for Regulatory Authority use.</p> <p align="center">Newfoundland Labrador</p> <p>Registered <u>0F17062.50 Rev1</u> Date <u>July 9, 2024</u> Engineering and Inspection Services Registered by <u>[Signature]</u></p> <p>UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS</p> <p align="right">Sect 1.0 - Fittings Rev.2</p>
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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>	
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<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <div style="text-align: center; font-size: 2em; font-weight: bold;"> Endress+Hauser </div>	
<p>Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/> Describe other: Non-Metal</p>	
<p>List of supporting documentation and identification of the actual items to be registered:</p> <p>- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p>	

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Signature of Declarer: 08-24-2023

Declared before me at _____

This _____ day of _____ AD _____

Use this space for the Official Seal

Commissioner of Oaths See attached acknowledgment
 Or Notary Public: (sign) _____

(Affix Official seal to the right)

This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0F17062.5 Rev1</u> FID#: <u>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. Scope: CRN renewal. Oxygen Sensors Memosens COS22, COS22D & COS22E, 5 plant locations. Added order code COS22E. Corrected the CRN pressure ratings from gauge pressure to absolute. (DGallant)	

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	
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<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <h1 style="margin: 0;">Endress+Hauser</h1> </div> <div style="border: 1px solid black; padding: 5px;"> <p align="center">Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input type="checkbox"/> Describe other: Non-Metal</p> </div> </div>	
<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 ASME B31.3 2001/2015 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] 08-24-2023

Declared before me at _____

This _____ day of _____ AD _____

Use this space for the Official Seal

Commissioner of Oaths See attached acknowledgment
 Or Notary Public: (sign) _____

(Affix Official seal to the right)

<p align="center">This space for Regulatory Authority use.</p> <p align="center">This registration must be revalidated after ten (10) years from the date of assistance.</p> <p>CRN: <u>0F17062.5 Rev1</u></p> <p>FID#: <u>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>Scope: CRN renewal, Oxygen Sensors Memosens COS22, COS22D & COS22E, 5 plant locations. Added order code COS22E. Corrected the CRN pressure ratings from gauge pressure to absolute. (DGallant)</p>	<p align="center">Northwest Territories</p> <p align="center">REGISTERED</p> <p align="center">UNDER THE AUTHORITY OF</p> <p align="center">THE BOILER AND PRESSURE</p> <p align="center">VESSEL ACT,</p> <p align="center">C.R.N. <u>0F17062.51 R-1</u></p> <p align="center">SIGNED <u>[Signature]</u></p> <p align="center">DATE <u>July 5 / 2024</u></p> <p align="right">65.00</p>
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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	
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Show Manufacturers Name, Trademark, or Logo as it will appear on the product	
<p>Endress+Hauser </p>	<p align="center">Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/> Cast <input type="checkbox"/> Other <input checked="" type="checkbox"/> Describe other: <p align="center">Non-Metal</p> </p>
List of supporting documentation and identification of the actual items to be registered:	
- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN	

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 9001:2015)** 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:  08-24-2023


Declared before me at _____

This _____ day of _____ AD _____

Use this space for the Official Seal

Commissioner of Oaths See attached acknowledgment
 Or Notary Public: (sign) _____

(Affix Official seal to the right)

<p align="center">This registration must be revalidated (for ten (10) years from the date of acceptance.</p> <p>CRN: <u>0F17062.5 Rev1</u> FID#: <u>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. Scope: CRN renewal, Oxygen Sensors Memosens COS22, COS22D & COS22E, 5 plant locations. Added order code COS22E. Corrected the CRN pressure ratings from gauge pressure to absolute. (DGallant) 	<p align="center">This space for Regulatory Authority use.</p> <p align="center">NUNAVUT Boilers and Pressure Vessels Act</p> <p align="center">REGISTERED</p> <p>CRN <u>DF17062.5N Rev1</u> Date <u>07/05/2024</u> Signed <u></u> Chief Inspector</p> <p align="right">Sect 1.0 - Fittings Rev.2</p> <p align="center">Territorial Registration Fee</p>
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July 11, 2024

TSSA
345 Carlingview Drive
Toronto, ON M9W 6N9

Dear Cecylia Garbacz,

Re: Reciprocal CRN Registration in Manitoba

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, the design reviews conducted and accepted by the Canadian province or territory, or their delegated safety authority, will be mutually recognized in the Province of Manitoba. If a registration is conditionally based on compliance with the notes set by the original issuing Jurisdiction, such compliance shall be applied the same to this Province.

Your submission has been registered, as follows:

File Number: 74-R4219
CRN: 0F17062.54
Scope: Oxygen Sensors COS22, COS22D & COS22E per Scope of Registration
Manufacturer: ENDRESS + HAUSER CONDUCTA INC
Expiry Date: 13 May 2034

Along with this letter is the invoice for registration.

In addition, every Pressure Vessel, Boiler, and Heat Exchanger shall be stamped with the registration number and as required by CSA Code B51, a Manufacturer's Data Report (MDR) must be forwarded to this office immediately at the time a unit is shipped to Manitoba. Send your MDR to gasupport@gov.mb.ca. In your subject line, indicate "*Manufacturer's Data Report-CRN No.*" A fee shall be billed to the Manufacturer to process data reports in accordance with the Steam and Pressure Plants Regulation section 17.1.

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

Inspection and Technical Services

Labour and Immigration
508 – 401 York Avenue, Winnipeg, MB R3C 0P8
T (204) 945-3373 | F (204) 948-2089

ATTN: TSSA BPV NATIONAL REGISTRATION
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON M9W 6N9

Date: 11-Sep-2024
TSBC Account #: 061440
TSBC Admin Number: 109308
Canadian Registration Number: 0F17062.51

Re: Application for Design Registration

The design, as detailed in your Design Portal application 0F17062.5R1 - Endress+Hauser Conducta Inc. for a Pressure Fitting is registered with the following notes and considerations:

Registered To:	Endress+Hauser Conducta Inc.
Project Name:	0F17062.5R1 - Endress+Hauser Conducta Inc.
Drawing #:	Oxygen Sensors COS22, COS22D & COS22E per Scope of Registration
Drawing Revision:	N/A

Conditions of Registration:

(1) Fitting Registration Expiry Date: 13-May-2034 (2) The registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of quality management system lapse before the expiry date indicated above, this registration shall become void.

Reviewer's Notes:

Any additional conditions and considerations from the initial province of registration shall apply to this BC registration.

Full details of this submission including the scope of registration, design conditions, fabrication details, and calculations pertaining to this design are located in the above Admin Number on the Design Portal. For all other enquiries, please contact eim@technicalsaftybc.ca.

The Engineering Information Management Team

REGISTRATION OF A PRESSURE FITTING DESIGN

July 23, 2024

TSSA
345 Carlingview Dr.
Toronto, ON
Canada
M9W 6N9

Attention: Cecylia Garbacz

File Number: 101196

Re: Manufacturer: Endress+Hauser Conducta Inc
Item: Oxygen Sensors
Catalog or Drawing: Per Scope of CRN Registration (22-Nov-23) & Design Report R-1949 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:

OF17062.53

Expiry Date: 2034-05-13

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:

CRN renewal - previously registered in Saskatchewan through CSA.

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

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,
(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 data which identifies the dimensions, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.


I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001:2015 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 24 day of AUGUST, 2023


(print name)

(Signature) 

(Signature of Commissioner of Oaths) See attached acknowledgment

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 _____



Registration No. 0F17062.53

File No. 101196

Registered

Date: July 23, 2024

Expiry Date: May 13, 2034

Codes & Standards Compliance Office

(Date Registered – MM DD YYYY) _____

(Expiry Date – MM DD YYYY) _____

(For the Administrator / Chief Inspector)

TSK-1008
Rev. 10/2012
Page 1 of 1

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 08/24/2023 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

Saskatchewan Statutory Declaration

(Title or description of attached document)

Registration of Fittings

(Title or description of attached document continued)

Number of Pages 1 Document Date 08/24/2023

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

Description	EH TI Document	Design Standard	Process Connections	Materials of Construction (Wetted)
Memosens COS22/COS22D/COS22E	TI01619C/07/EN/02.22-00, TI00446C/07/EN/04.15-00	ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101	PG13.5 Thread	FKM (Plastic), Stainless Steel 1.4435 (AISI 316L), Titanium, Hastelloy, Silicone

MAWP at 23°F	MAWP at 176°F	MAWP at 275°F	MDMT	Design Report
159 psig at 23°F (174 psi absolute at 23°F)	159 psig at 176°F (174 psi absolute at 176°F)	72 psig at 275°F (87 psi absolute at 275°F)	23°F	R-1949 Rev. 0

Note 1) MAWP = Maximum Allowable Working Pressure, MDMT = Minimum Design Metal Temperature.

Note 2) This CRN Registration covers COS22/COS22D/COS22E 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 the lifecycle of this product and therefore as long as the pressure retaining components of the sensor do not change the applicable letter in the above product code has no effect on the validity of the CRN.

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

Note 4) 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

