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July 25, 2018

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

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

Dear SCOTT ISLIP,

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

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

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

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



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

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

Endress+Hauser



People for Process Automation

STATUTORY DECLARATION

Registration of Fittings

I, MIKE YOURSKI, QUALITY MANAGER
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

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

Located at 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807 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:9001:2008 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)

Michael Youroski
(Signature of Declarer)

FOR OFFICE USE ONLY

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

CRN: OF 20561.5

Registered by: Wendy Gu

Dated: Jul. 25, 2018

NOTE: This registration expires on Jul. 25, 2028

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: OF 20561.5

Signed: Wendy Gu

Date: Jul. 25, 2018

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 September 8, 2017 before me, Laurel Boles,
(Here insert name and title of the officer)

personally appeared Michael Youroski,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~(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.

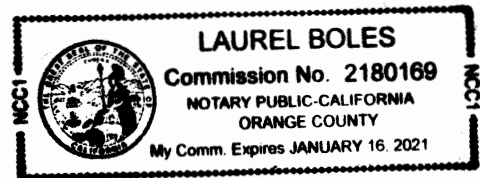
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Notary Public Signature

(Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

TSSA Statutory Declaration
(Title or description of attached document)

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

Number of Pages 1 Document Date 09/08/2017

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

23-May-18

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SCOPE OF CRN REGISTRATION**PRODUCT DESCRIPTION**

Description	Design Standard (Note 3)	End Connections (Note 1)	Drawings	EH TI Document
OUSAF11 Optical Sensor	ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101	1" NPT, G1 Thread, 2", 2-1/2" and 3" ASME BPE Ferrule, DN40-125 Varivent	401573, 401574, 401785, 401786, 401788, 401892, 401993, 401994, 401988	TI00474C/07/EN/15.16

PRESSURE - TEMPERATURE RATINGS

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

MATERIALS OF CONSTRUCTION

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

MANUFACTURING LOCATIONS

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

Note 1) The ASME BPE Ferrule and Varivent connection shall be used with a clamp, however the assembly clamp is not part of this CRN. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. The clamp used to complete the joint shall have its own CRN and shall have pressure-temperature ratings the same or higher than the product ratings.

Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration:

Type 304 S.Steel ASTM A182-304, ASTM A479-304 UNS S30400,	Type 304L S.Steel ASTM A182-304L, ASTM A479-304L UNS S30403,
Type 316 S.Steel ASTM A182-316, ASTM A479-316 UNS S31600,	Alloy 20 ASTM B462, ASTM B366 UNS N08020,
Hastelloy C-276 ASTM B564, ASTM B574 UNS N10276,	Hastelloy C22 ASTM B366, ASTM B564 UNS N06022,
Hastelloy B3 ASTM B462, ASTM B564, ASTM B335 UNS N10675,	Monel 400 ASTM B564, ASTM B164 UNS N04400 (Note: Monel 400 limited to 100F max.),
Inconel 600 ASTM B166, ASTM B564 UNS N06600,	Inconel 625 ASTM B564, ASTM B446 UNS N06625,
Inconel 825 ASTM B425, ASTM B564 UNS N08825,	Duplex ASTM A479, ASTM A182 UNS S31803,
Super Duplex ASTM A479, ASTM A182-F53 UNS S32750,	Super Duplex ASTM A479, ASTM A182-F55 UNS S32760,
Titanium ASTM B381-F3 UNS R50550 (Note Titanium limited to 247F max for ASME B31.3 service and 173F max. for ASME B31.1 Service.)	

THIS IS PART OF
CRN *DF-20561-5*
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

ENDRESS+HAUSER CONDUCTA INC.

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ANAHEIM, CA
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23-May-18

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SCOPE OF CRN REGISTRATION CONTINUED

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

Hastelloy C-276 ASTM B564 UNS N10276,
Monel 400 ASTM B564, ASTM B164 UNS N04400,
Inconel 825 ASTM B564 UNS N08825,
Hastelloy C22 ASTM B564 UNS N06022

Hastelloy B3 ASTM B462, ASTM B564, ASTM B335 UNS N10675,
Inconel 600 ASTM B166, ASTM B564 UNS N06600,
Super Duplex ASTM A479, ASTM A182-F55 UNS S32760,

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

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