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August 02, 2018

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

Service Request Type.: BPV-National BC  
Service Request No.: 2336946  
Your Reference No.: R-0761  
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0F2097.751.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.  
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail [customerservices@tssa.org](mailto:customerservices@tssa.org). When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis  
Administrative Assistant\_ BPV Engineering  
Tel.: 416-734-3423  
Fax: 416-231-6183  
Email :[tfrancis@tssa.org](mailto:tfrancis@tssa.org)

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

**Date:** July 13, 2018  
**Account #:** 35231  
**Journal #:** 71021

**Attn:** TANYA FRANCIS

**Re:** Application for Design Registration

The design, as detailed in your, TSSA SR# 2336946, for a Fitting is accepted for registration as follows:

**Registered To:** ENDRESS + HAUSER CONDUCTA CRN: 0F2097.751  
INC

**MDMT:** 14 deg F

**MAWT:** 302 deg F

**MAWP:** 72.5 psig

**Drawing #:** Report EH-CRN-26

**Conditions Of Registration:**

Registration of Indumax CLS54, CLS54D, Smartec CLD134 sensors as per att'd scope of registration sheet.

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:**

As required by CSA B51 4.2.1, this registration expires on January 12, 2028. 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.

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

SHARON PETERS

boiler.designregistration@technicalsaftybc.ca  
Design Administration

**cc:**

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

08-Dec-17

**SCOPE OF CRN REGISTRATION**

**PRODUCT DESCRIPTION**

Description	Design Standard (Note 3)	End Connections (Note 1)	EH Documents
Indumax CLS54, CLS54D, Smartec CLD134	ASME B31.3, ASME B31.1, ASME BPE, ASME VIII-1 UG-101	2" ASME BPE, ISO2852, DIN 3276 Ferrule, DN40-125 Varivent N, DN50 Dairy Fitting DIN 11851	T100400C/07/EN/13.16, BA00508C/07/EN/03.17, T100401C/07/EN/13.15.

**PRESSURE - TEMPERATURE RATINGS**

MDMT	MAWP AT 302F	Notes
14F	87.2 psia (72.5 psig)	None

**MATERIALS OF CONSTRUCTION**

Process Housing Material (Note 2)	Sensor Head Material	Notes
Stainless Steel 1.4435 TYPE 316L UNS S31603	PEEK (Polyetheretherketone)	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	



CRN #: 0F2097.751  
 Date: JULY 3, 2018  
 BC J#: 71021

**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 UNS S30400, Type 304L S.Steel UNS S30403, Type 316 S.Steel UNS S31600, Type 316L S.Steel UNS S31603, Alloy 20 UNS N08020, Hastelloy C-276 UNS N10276, Hastelloy C22 UNS N06022, Hastelloy B3 UNS N10676, Monel 400 UNS N04400 (Note Monel 400 limited to 100F max.), Inconel 600 UNS N06600, Inconel 625 UNS N06625, Inconel 825 UNS N08825, Duplex S.Steel UNS S32750, Super Duplex UNS S32750, Super Duplex UNS S32760, Titanium Grade 3 UNS R50550 (Note Titanium limited to 247F max. for ASME B31.1 service and 173F max. for ASME B31.1 Service.)

**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 used under the ASME B31.1 code the facility owner must accept the use of the unlisted material.

