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July 04, 2017

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

Service Request Type.: BPV-National BC  
Service Request No.: 2088996  
Your Reference No.: EH-CRN-24  
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0F19345.51.

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,

Joanna Karpinski  
Tel: 416-734-3377  
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TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO ON M9W 6N9

**Date:** June 6, 2017  
**Account #:** 35231  
**Journal #:** 68177  
**Our File #:** 5616696

**Attn:** TANYA FRANCIS

**Re:** Application for Design Registration

The design, as detailed in your, TSSA SR# 2088996, for a Fitting is accepted for registration as follows:

**Registered To:** ENDRESS + HAUSER CONDUCTA CRN: 0F19345.51  
INC

**MAWT:** 266 deg F

**MAWP:** 230 psig

**Drawing #:** Design Report EH-CRN-24, SOR

**Drawing Revision:** 0

**Conditions Of Registration:**

Registration of CYA680 Flow Assembly as per scope of registration sheet (att'd page).

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 April 27, 2027. 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@safetyauthority.ca  
Design Administration

cc:

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

**THIS IS PART OF**  
**CRN 0F19345.5**  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels



30-Mar-17

**SCOPE OF CRN REGISTRATION**

**PRODUCT DESCRIPTION**

Description	Design Standard	End Connections	Drawings	EH TI Document
CYA680 Flow Assembly	ASME B31.3, ASME B31.1	<u>PROCESS</u> : 1/4" thru 2" ASME BPE, ISO2852, DIN32676 Clamp Ferrule (Note 1) <u>SENSOR</u> : PG13.5	3000-0090-01, 402429, 71023132, 3000-0010-01, 3000-0060-01	TI01295C/07/EN/01.16

**PRESSURE - TEMPERATURE RATINGS**

MDMT	MAWP AT 100 F	MAWP AT 266 F	NOTES
Dependent on Material	230 psig	230 psig	None

**MATERIALS OF CONSTRUCTION**

STANDARD MATERIALS (NOTE 2)	NOTES
Type 316L S.Steel UNS S31603	Optional 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 ferrule 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 ferrule 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 S31803, Super Duplex UNS S32750, Super Duplex UNS S32760, Titanium Grade 3 UNS R50550 (Note Titanium limited to 247F max.)