

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

Date: January 27, 2019

Account #: 35231

Journal #: 72429

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2477362, for a Fitting is accepted for registration as follows:

Registered To: ENDRESS + HAUSER CONDUCTA CRN: 0H20949.51
INC

Drawing #: Report R-0965A/B/C/D

Drawing Revision: 0

Conditions Of Registration:

Registration of Unfit CPA842 Housing Assemblies only as per attached SOR.

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 per TSSA: Sensors CPS171D, CPS11D, CLS82D, COS22D, COS81D etc are excluded from the scope of registration.

As required by CSA B51 4.2.1, this registration expires on December 20, 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.

Emilia Tam

emilia.tam@technicalsaftybc.ca
Design Administration

cc:

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

Endress + Hauser 

People for Process Automation

SCOPE OF CRN REGISTRATION



30-Nov-18

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Date: JAN 25, 2019

BC J#: 72429

PRODUCT DESCRIPTION

Description	Design Standard (Note 3)	End Connections (Note 1)	Drawings	EH TI Document
UNIFIT CPA842	ASME B31.3, ASME B31.1, ASME BPE	DN25 Standard, DN25 B.Braun, DN25 O-Ring, 1-1/2" Clamp, 2" Clamp, 1-1/2" Clamp Oblique 15°, DN40-125 Varivent, Dairy Fitting DN50 DIN 11851.	413740-F, 411820-H, 410634-H, 410636-F, 414484-H, 413329-G, 410599-F, 413742-D, 410609-F, 413741-E, 411770-E, 411855-F, 415235-D, 410975-F, 411161-F, 413725-D, 411260-F, 415907-A	TI01367C/07/EN/01.17

PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 100°F	MAWP AT 284°F	Notes
-20F	232 psig	232 psig	See Note 4.

MATERIALS OF CONSTRUCTION

Process Housing Material (Note 2)	Notes
Stainless Steel ASTM A479-316L, ASTM A182-316L 1.4435 TYPE 316L UNS S31603	Optional housing materials may be used. See Note 2.

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 316 S.Steel ASTM A182-316, ASTM A479-316 UNS S31600,
 Hastelloy C-276 ASTM B564, ASTM B574 UNS N10276,
 Hastelloy B3 ASTM B462, ASTM B564, ASTM B335 UNS N10675,
 Inconel 600 ASTM B166, ASTM B564 UNS N06600,
 Inconel 825 ASTM B425, ASTM B564 UNS N08825,
 Super Duplex ASTM A479, ASTM A182-F53 UNS S32750,
 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.)
 904L S.Steel ASTM A182-904L, ASTM A479-904L UNS N08904 (Note ASTM A182-904L limited to 200F max for ASME B31.1 Service. AS
 A479-904L shall not be used in ASME B31.1 Service)

Type 304L S.Steel ASTM A182-304L, ASTM A479-304L UNS S30403,
 Alloy 20 ASTM B462, ASTM B366 UNS N08020,
 Hastelloy C22 ASTM B366, ASTM B564 UNS N06022,
 Monel 400 ASTM B564, ASTM B164 UNS N04400 (Note: Monel 400 limited to 100F max.)
 Inconel 625 ASTM B564, ASTM B446 UNS N06625,
 Duplex ASTM A479, ASTM A182 UNS S31803,
 Super Duplex ASTM A479, ASTM A182-F55 UNS S32760,

THIS IS PART OF
CRN 0420949-51
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
Wah Dec 20/18

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

30-Nov-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,
904L ASTM A182-904L UNS N08904

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

Note 4) Maximum Allowable Working Pressure (MAWP) stated is for the CPA842 assembly only and not the sensor being installed in the assembly. Pressure-temperature ratings may be limited by the sensor installed. Consult sensor CRN for sensor pressure temperature ratings.



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WAL REC 20/18

WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

**ENDRESS+HAUSER CONDUCTA GMBH & CO. KG LOCATIONS
& CERTIFYING AUTHORITIES**

(rev. November 30, 2018)

Endress+Hauser Conducta GmbH & Co. KG
Dieselstrasse 24 / Postfach 100 154
70839 Gerlingen
Germany
ISO 9001 Certified by SQS



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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
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ISO 9001 Certified by SQS

THIS IS PART OF
CRN 0H20949.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program
Waldheim DEC 20/18

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Anaheim, CA 92807
United States of America
ISO 9001 Certified by SQS

Endress+Hauser Analytical Instruments
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491 Su-Hong-Zhong-Lu
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