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www.tssa.org

December 20, 2018

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

Service Request Type: BPV-Fitting Registration
Service Request No.: **2467682**
Your Reference No.: R-0965
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.: 0H20949.5
Main Design No.: Unifit CPA842 Housing Assemblies only (see the attachment to the Statutory Declaration Form for the scope of registration.)
Expiry Date: 20-Dec-2028

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

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

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,

Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@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 1-714-577-5600
(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 which has been verified by the following authority, SQS

The items covered by this declaration, for which I seek registration, are category H 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 _____.

Commissioner for Oaths:
see attached acknowledgment
(Printed name)

(Signature) _____
(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 H.

CRN: 0H20949.5
 Registered by: MARK VALCIC, P.ENG.
 Dated: DEC. 20, 2018

NOTE: This registration expires on DEC 20, 2028

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0H20949.5

Signed: M. Valcic

Date: DEC. 20, 2018

PV 09/01 (06/04) NOTE: 1) SEE THE ATTACHMENT FOR THE SCOPE OF REGISTRATION AND THE ADDITIONAL PLANTS. UNCL DEC 20/18
 2) HOUSING ASSEMBLIES ONLY, SENSORS ARE EXCLUDED. UNCL DEC 20/18



Endress + Hauser

People for Process Automation

SCOPE OF CRN REGISTRATION

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	T101367C/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 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),
 904L S.Steel ASTM A182-904L, ASTM A479-904L UNS N08904 (Note ASTM A182-904L limited to 200F max for ASME B31.1 Service. ASTM A479-904L shall not be used in ASME B31.1 Service)

THIS IS PART OF
CRN # 10099.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
Walter DEC 20 18

ENDRESS+HAUSER CONDUCTA INC.

4123 LA PALMA AVE.

ANAHEIM, CA

92807, USA

30-Nov-18

Page 2 of 2



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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.



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

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.**
491 Su-Hong-Zhong-Lu
China-Singapore Industrial Park
Suzhou, Jiangsu Province
China
ISO 9001 Certified by SQS

**THIS IS PART OF
CRN 0120949.5**
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program
Waldheim DEC 20/18