



14th Floor, Centre Tower  
3300 Bloor Street West  
Toronto, Ontario  
Canada M8X 2X4  
Tel.: 416.734.3300  
Fax: 416.231.1626  
Toll Free: 1.877.682.8772  
  
[www.tssa.org](http://www.tssa.org)

March 10, 2016

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L0R 2H8  
CA

Service Request Type: BPV-Fitting Registration  
Service Request No.: 1820750  
Your Reference No.: EH-CRN-12  
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.: 0F18315.5**  
**Main Design No.: Scope of Registration, DESIGN REPORT # EH-CRN-12**  
**Expiry Date: 10-Mar-2026**

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](mailto: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,

Ruiming You, P.Eng.  
Mechanical Engineer, BPV  
Tel.: 416-734-3428  
Fax: 416-231-6183  
Email: [ryou@tssa.org](mailto:ryou@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 YOUROSKI, 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

(Plant Address)

1-714-577-5600

(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 VIII-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 Fittings - Smartec CLD18 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 Anaheim in the County of Orange  
the 17 day of Feb. AD 20 16.

Commissioner for Oaths:

William E. Zinn

(Printed name)

(Signature)

Mike Yourroski

(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 18315.5

Registered by: Ruiming You

Dated: Mar 10, 2016

NOTE: This registration expires on Mar. 10, 2026

Technical  
Standards  
and Safety  
Authority

Boilers and  
Pressure Vessels  
Safety Program

REGISTERED

CRN: OF 18315.5

Signed: Ruiming You

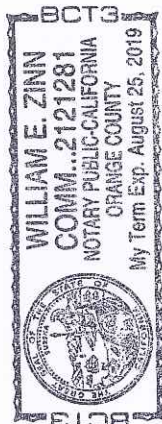
Mar 10, 2016

PV 09553 (06/04)

NOTE: DESIGN PER ASME B31.3 code.

SEE SCOPE OF REGISTRATION FOR ITEMS. P/T RATING, &  
PLANT LOCATIONS.

3/10/2016





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

19-Jan-16

## SCOPE OF CRN REGISTRATION

### PRODUCT DESCRIPTION

Description	Design Standard	End Connections	Drawings	EH TI Document
Smartec CLD18	ASME B31.3, ASME VIII-1 UG-101(m)	G 1-1/2, 2" ASME BPE, ISO2852, DIN 32676 Clamp Ferrule (Note 1), DN40-125 Varivent (Note 1)	R-0446, 401609, 401610, 401602	TI01080C/07/EN/02.14

### PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 122 F	MAWP AT 230 F	MAWP AT 266 F
14F	174 psig	98 psig at 230 F	72.5 psig at 266 F

### MATERIALS OF CONSTRUCTION

PROCESS ADAPTER MATERIAL (NOTE 2)	SENSOR SHELL MATERIAL
ASTM A479-316L, STAINLESS STEEL 1.4435 TYPE 316L, UNS S31603	PEEK (POLYETHERETHERKETONE)
Optional process adapter materials may be used. See Note 2.	

### MANUFACTURING LOCATIONS

Endress+Hauser Conducta 70839 Gerlingen incl. manufacturing sites 04736 Waldheim and 64823 GroB-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 assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

**Note 2** The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows:  
N06022, B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);



345 Carlingview Drive  
Toronto, Ontario  
CANADA M9W 6N9  
Tel.: 416.734.3300  
Fax.: 416.231.1626  
Toll Free: 1.877.682.8772  
**www.tssa.org**

June 23, 2016

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L0R 2H8  
CA

Service Request Type.: BPV-National BC  
Service Request No.: 1873802  
Your Reference No.: EH-CRN-12  
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0F18315.51.

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,

Jacqueline Ervas  
Administrative Assistant  
Tel. : +1-416-734-3377  
Fax : +1-416-231-6183  
Email : [jervas@tssa.org](mailto:jervas@tssa.org)



505 - 6th Street, Suite 200  
New Westminster, BC V3L 0E1

Toll Free: 1-866-566-SAFE

Fax: (778) 396 - 2064

www.safetyauthority.ca

TECHNICAL STANDARDS & SAFETY AUTHORITY  
14TH FLOOR CENTRE TOWER-3300 BLOOR STREE  
TORONTO ON M8X 2X4

**Date:** June 2, 2016

**Account #:** 35231

**Journal #:** 65626

**Our File #:** 5593575

**Attn:** TANYA FRANCIS

**Re:** Application for Design Registration

The design, as detailed in your, TSSA SR# 1873802, for a Fitting is accepted for registration as follows:

**Registered To:** ENDRESS+HAUSER CONDUCTA CRN: 0F18315.51  
INC

**MDMT:** -20 deg F

**MAWT:** 266 deg F

**MAWP:** 174 psig

**Drawing #:** R-0446

**Drawing Revision:** 0

**Conditions Of Registration:**

Registration of a SMARTEC CLD18 Conductivity Measurement Sensor as per scope of reg'n 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 March 10, 2026. 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

19-Jan-16

**SCOPE OF CRN REGISTRATION****PRODUCT DESCRIPTION**

Description	Design Standard	End Connections	Drawings	EH TI Document
Smartec CLD18	ASME B31.3, ASME VIII 1 UG 101(m)	G 1-1/2, 2" ASME BPE, ISO2852, DIN 32676 Clamp Ferrule (Note 1), DN40-125 Varivent (Note 1)	R-0446, 401609, 401610, 401602	TI01080C/07/EN/02.14

**PRESSURE - TEMPERATURE RATINGS**

MDMT	MAWP AT 122 F	MAWP AT 230 F	MAWP AT 266 F
14F	174 psig	98 psig at 230 F	72.5 psig at 266 F

NOTES  
THIS IS PART OF  
CRN 0F18315.5  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels  
Safety Program  
NOTES

0F18315.5  
Safety  
AUTHORITY  
June 2, 2016  
BCSA 04-15626

**MATERIALS OF CONSTRUCTION**

PROCESS ADAPTER MATERIAL (NOTE 2)	SENSOR SHELL MATERIAL	
ASTM A479-316L, STAINLESS STEEL 1.4435 TYPE 316L, UNS S31603	PEEK (POLYETHERETHERKETONE)	Optional process adapter materials may be used. See Note 2.

**MANUFACTURING LOCATIONS**

Endress+Hauser Conducta 70839 Gerlingen incl. manufacturing sites 04736 Waldheim and 64823 GroB-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 assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

**Note 2)** The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows:  
N06022, B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);



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Tel.: 416.734.3300  
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[www.tssa.org](http://www.tssa.org)

August 15, 2016

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L0R 2H8  
CA

Service Request Type.: BPV-National AB  
Service Request No.: 1873790  
Your Reference No.: EH-CRN-12  
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from AB, registered under the CRN No.: 0F18315.52.

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  
Fax : 416-231-6183  
Email : [jkarpinski@tssa.org](mailto:jkarpinski@tssa.org)

July 12, 2016

**Attention:** Tanya Francis  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO, ON M9W 6N9

The design submission, tracking number 2016-03090, originally received on May 30, 2016 was surveyed and accepted for registration as follows:

**CRN :** 0F18315.52

**Accepted on:** July 12, 2016

**Reg Type:** New Design

**Expiry Date:** March 10, 2026

**Drawing No. :** SEE SCOPE OF REGISTRATION Rev NONE

**Fitting type:** SMARTEC CLD18

Design registered in the name of : ENDRESS + HAUSER GMBH & CO KG

**The registration is conditional on your compliance with the following notes:**

*It is the manufacturer's responsibility to advise the end user that the fittings with the Tri-Clamps and Varivent connection can be used only with clamps that have Alberta CRN.*

*This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*

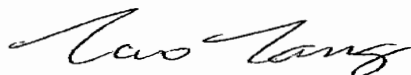
*This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*

*Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

Sincerely,



TANG, TAO, P. Eng.





the pressure equipment safety authority

# STATUTORY DECLARATION Registration of Fittings

In this space, show facsimile of  
manufacturer's logo or trademark  
as it will appear on the fitting.

**Endress+Hauser**   
People for Process Automation

I, MIKE YOUROSKI,

QUALITY MANAGER

(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of ENDRESS+HAUSER CONDUCTA INC.

(name of manufacturer)

located at 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807

(plant address)

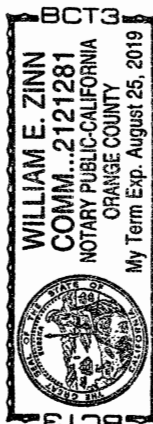
do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act  
(check one)

- ☒ comply with the requirements of ASME B31.3, ASME VIII-1 which specifies the dimensions,  
(title of recognized North American Standard)  
materials of construction, pressure/temperature ratings and identification marking of the fittings, 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,  
materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings  
for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the  
following authority, SQS (ISO 9001:2008) as being suitable for the manufacture of these fittings to the  
stated standard. The fittings covered by this declaration, for which I seek registration, are SMARTEC CLD18 - CAT. F

In support of this application, the following information, calculations and/or test data are attached:

DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN



DECLARED before me at Anaheim in the County of Orange  
this 17 day of Feb., 2016  
(Month) (Year)  
(print) William E. Zinn Mike Youroski  
(sign) [Signature] [Signature]  
(A Commissioner for Oaths) (Signature of Applicant)

For Office Use Only

See Scope of Registration.  
To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard  
B51, Clause 4.2, and is accepted for registration in Category F

Registration Number: OF 18315-52

Date Registered: JUL 12 2016

[Signature]  
(For the Administrator/Chief Inspector of Alberta)

Expiry Date: March 10, 2026

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the Boiler Discipline.

**ENDRESS+HAUSER CONDUCTA INC.**

4123 LA PALMA AVE.  
ANAHEIM, CA  
92807, USA

19-Jan-16

**SCOPE OF CRN REGISTRATION****PRODUCT DESCRIPTION**

Description	Design Standard	End Connections	Drawings	EH TI Document
Smartec CLD18	ASME B31.3, ASME VIII-1 UG-101(m)	G 1-1/2, 2" ASME BPE, ISO2852, DIN 32676 Clamp Ferrule (Note 1), DN40-125 Varivent (Note 1)	R-0446, 401609, 401610, 401602	TI01080C/07/EN/02.14

**PRESSURE - TEMPERATURE RATINGS**

MDMT	MAWP AT 122 F	MAWP AT 230 F	MAWP AT 266 F	
14F	174 psig	98 psig at 230 F	72.5 psig at 266 F	

**MATERIALS OF CONSTRUCTION**

PROCESS ADAPTER MATERIAL (NOTE 2)	SENSOR SHELL MATERIAL	
ASTM A479-316L, STAINLESS STEEL 1.4435 TYPE 316L, UNS S31603	PEEK (POLYETHERETHERKETONE)	Optional process adapter materials may be used. See Note 2.

**MANUFACTURING LOCATIONS**

Endress+Hauser Conducta 70839 Gerlingen incl. manufacturing sites 04736 Waldheim and 64823 GroB-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	

**ABSA**

SAFETY ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. 0F18315-52

DWG. NO. Scope of Registration

TYPE OF FITTINGS Smartec CLD18

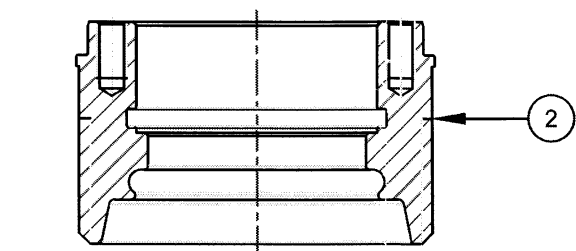
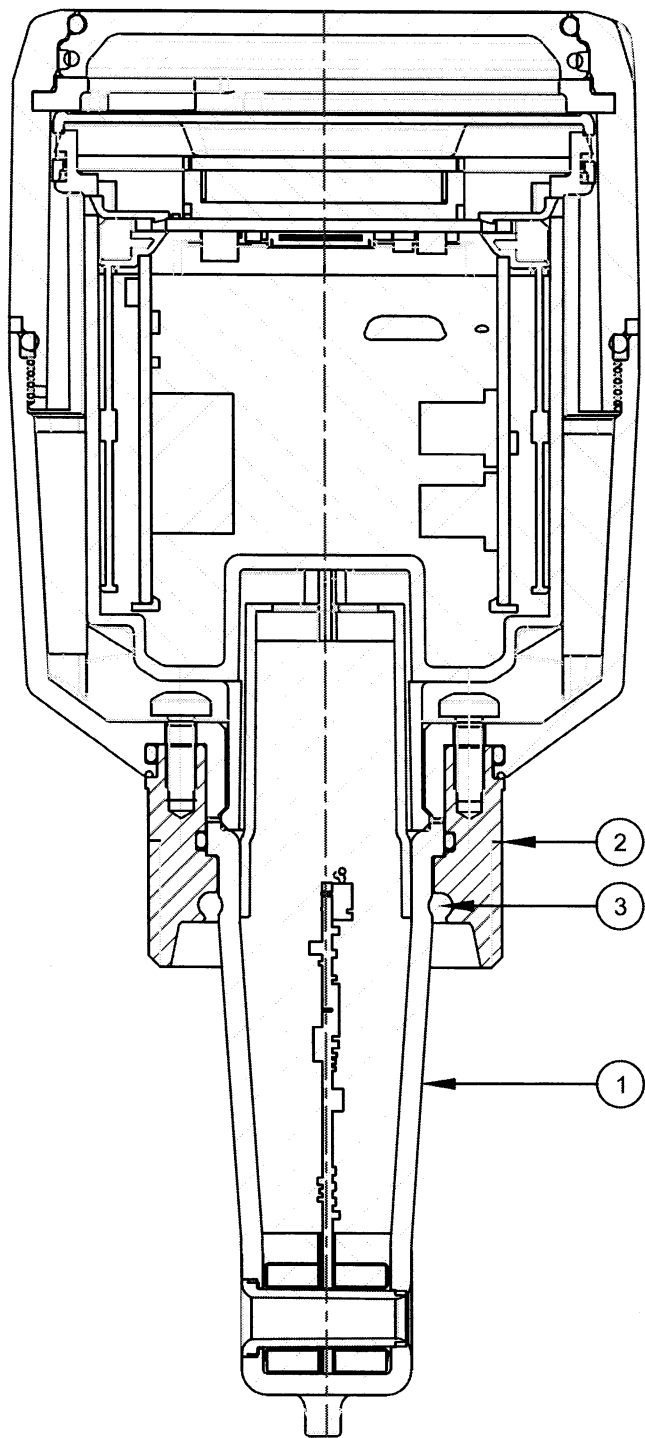
INITIALS Tao Tang

Date **JUL 12 2016**

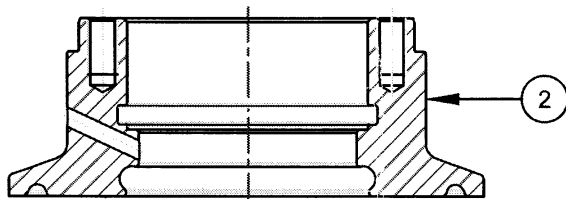
TAO TANG, P.Eng.  
DESIGN SURVEY ENGINEER

**Note 1)** The assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

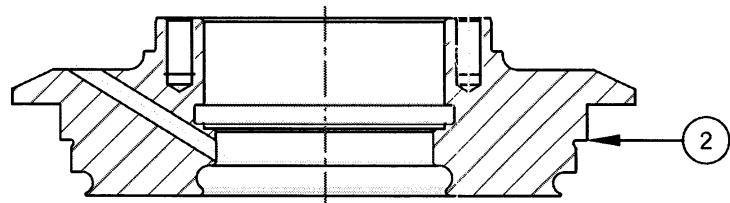
**Note 2)** The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows:  
N06022, B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);



G 1-1/2 PROCESS CONNECTION



ISO2852 CLAMP 2"



GE A TUCHENHAGEN VARIVENT  
DN40-125

Bill of Materials			
Item	Description	Material	Qty
1	PLASTIC SHELL	PEEK (POLYETHERETHERKETONE)	1
2	PROCESS ADAPTOR	STAINLESS STEEL 1.4435 TYPE 316L STAINLESS STEEL UNS S31603	1
3	PLASTIC SHELL SEAL	ELASTOMER	1


Notes:

1. All dimensions are in inches. SI units if provided are in brackets.

2. Reference ENDRESS+HAUSER Technical Information Bulletin TI01080C/07/EN/02.14 and drawings 401609, 401610, 401602.

3. Design conditions:

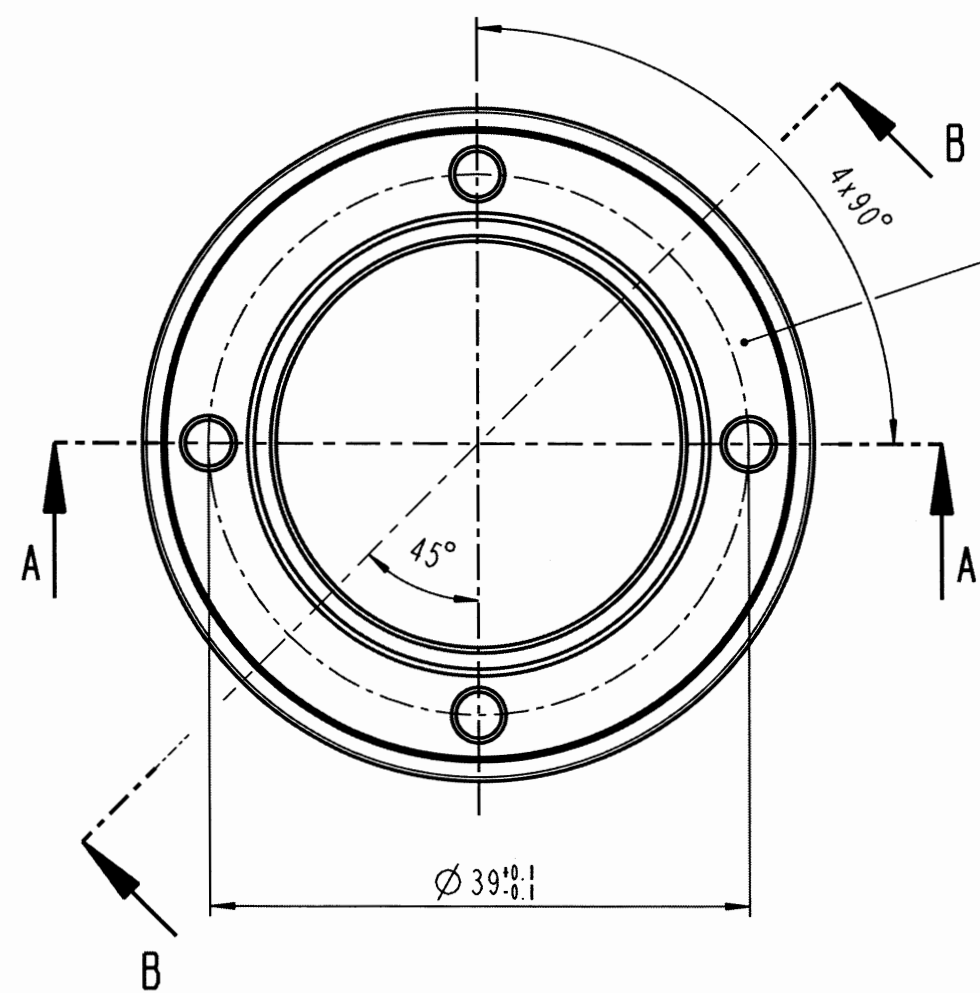
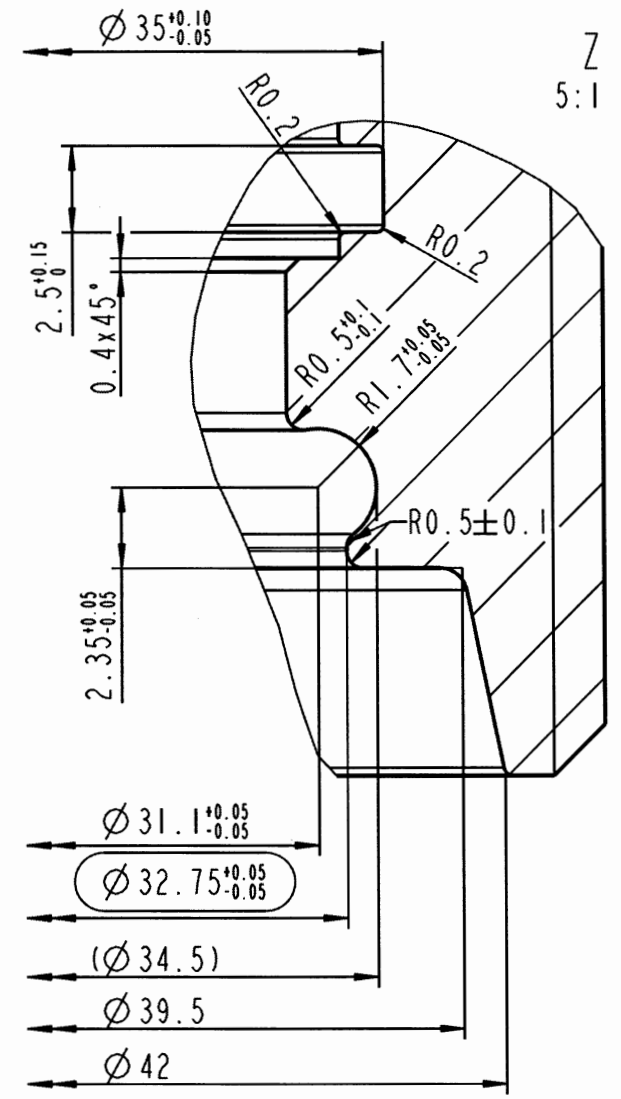
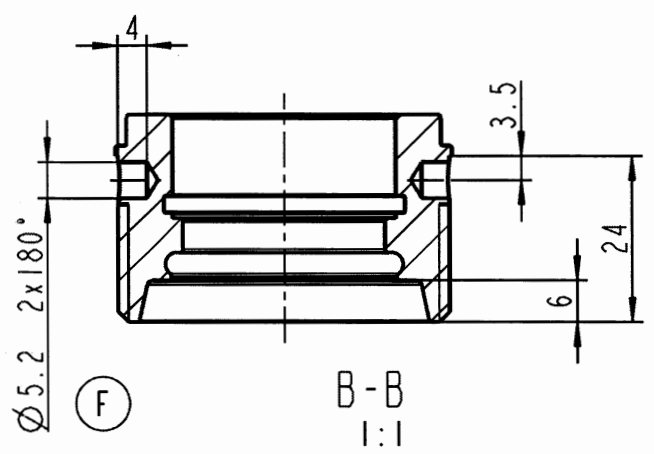
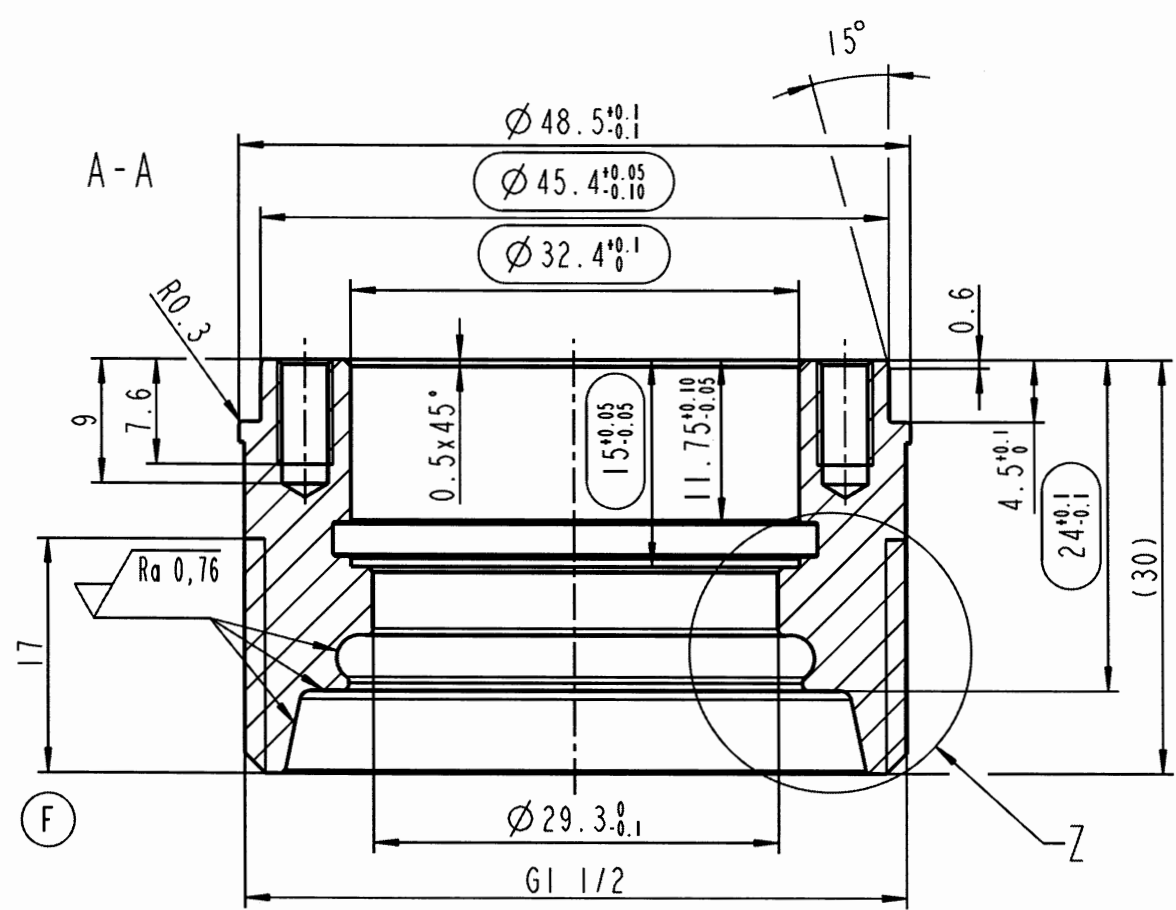
- 174 psig at 122F
- 98 psig at 230F
- 72.5 psig at 266F (max. 60 minutes)

0F18315.52			
REV.	DESCRIPTION	DATE	INITIALS
<b>Endress+Hauser</b>  People for Process Automation			
TITLE SMARTEC CRN GENERAL ARRANGEMENT DRAWING			
MODEL CLD18		WORK ORDER N/A	
DRAWN BY SI	CHECKED BY RI	DRAWING SIZE B	SCALE NONE
DATE 18/01/2016	DRAWING NO. R-0446	REV. 0	SHEET 1 of 1

UNLESS OTHERWISE NOTED  
1. DIMENSIONS ARE IN  
INCHES. IF USED SI UNITS  
ARE IN ( ) BRACKETS.  
2. TOLERANCES  
FRACTIONAL: +/- 1/8"  
DECIMALS: .XX +/- .02  
.XXX +/- .005

THE INFORMATION CONTAINED  
IN THE DRAWING IS THE SOLE  
PROPERTY OF  
ENDRESS+HAUSER. ANY  
REPRODUCTION IN PART OR AS  
A WHOLE WITHOUT THE  
WRITTEN PERMISSION OF  
ENDRESS+HAUSER IS  
PROHIBITED.

GEOMETRICAL TOLERANCING DIN ISO 1101  
SURFACE TEXTURE 2.3.1 66e DIN ISO 1302  
EDGES OF WORKING PARTS DIN 6784



Beschriftungsfläche für  
3.1 Chargenkennzeichnung nach EN10204  
labelling area for  
3.1 charge identification acc. to EN10204

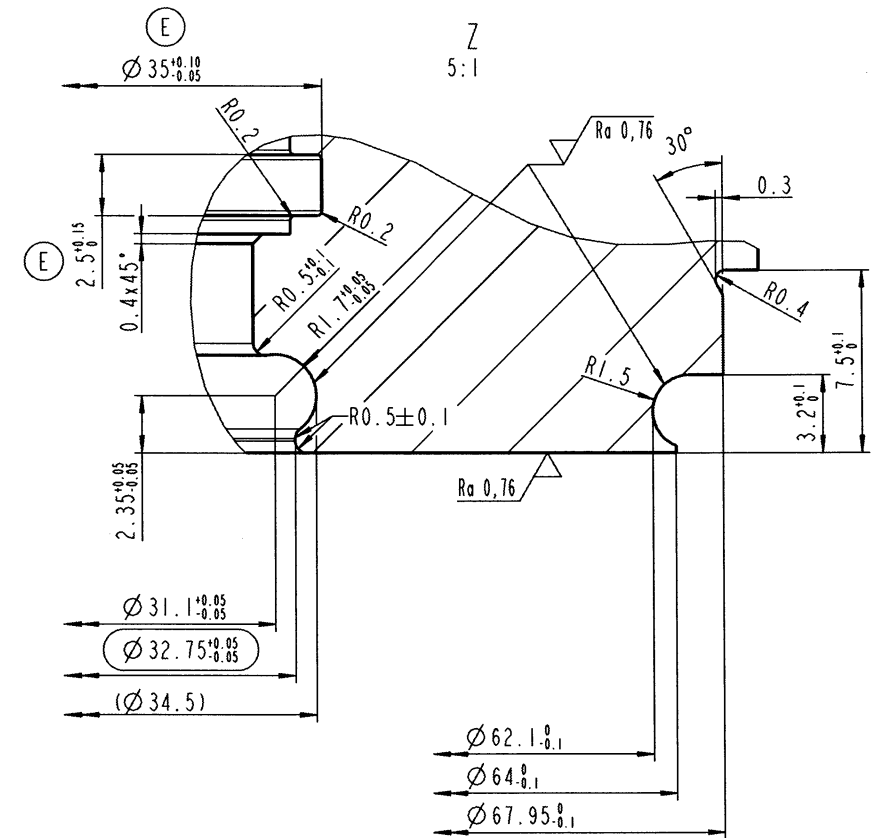
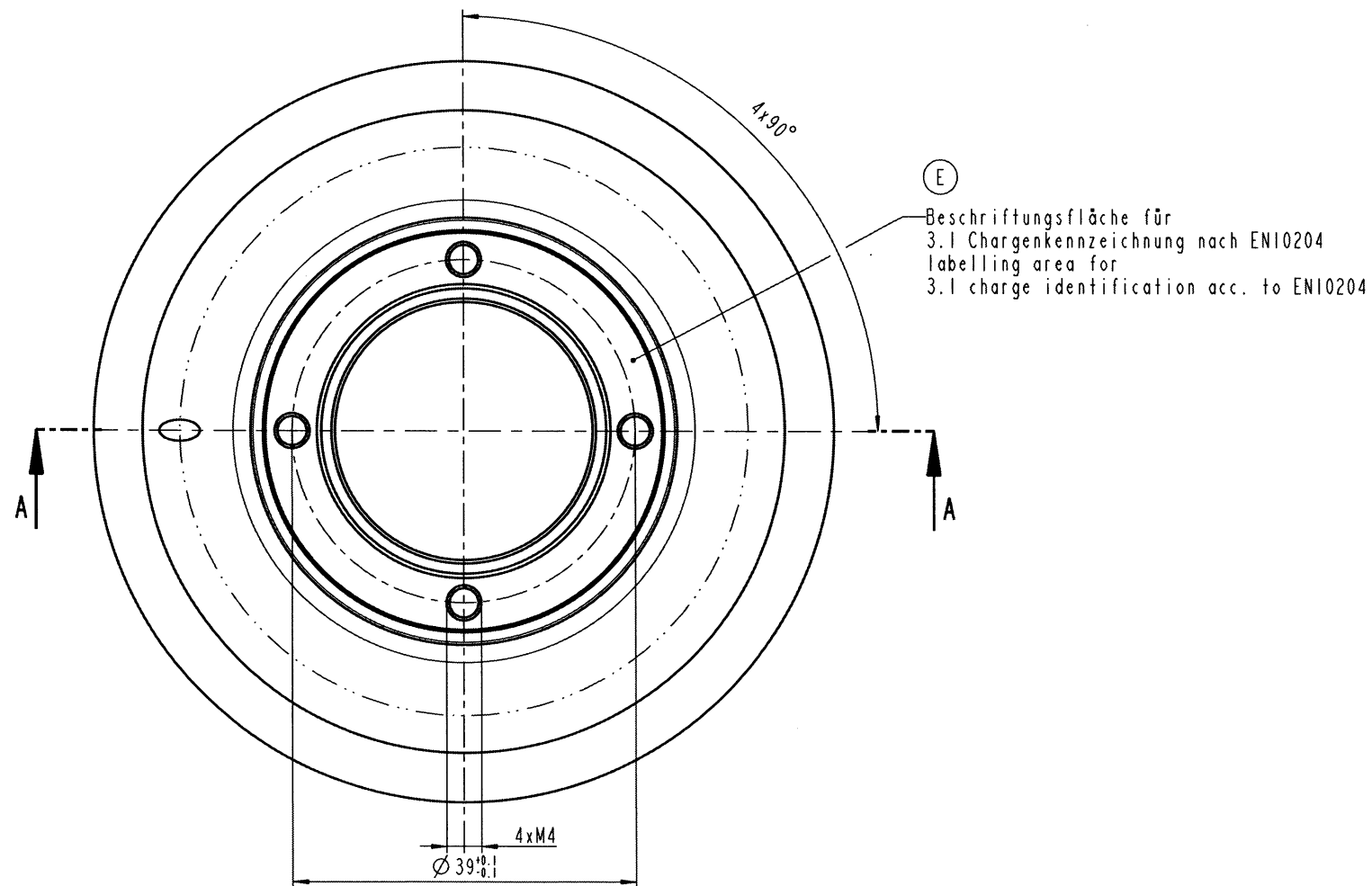
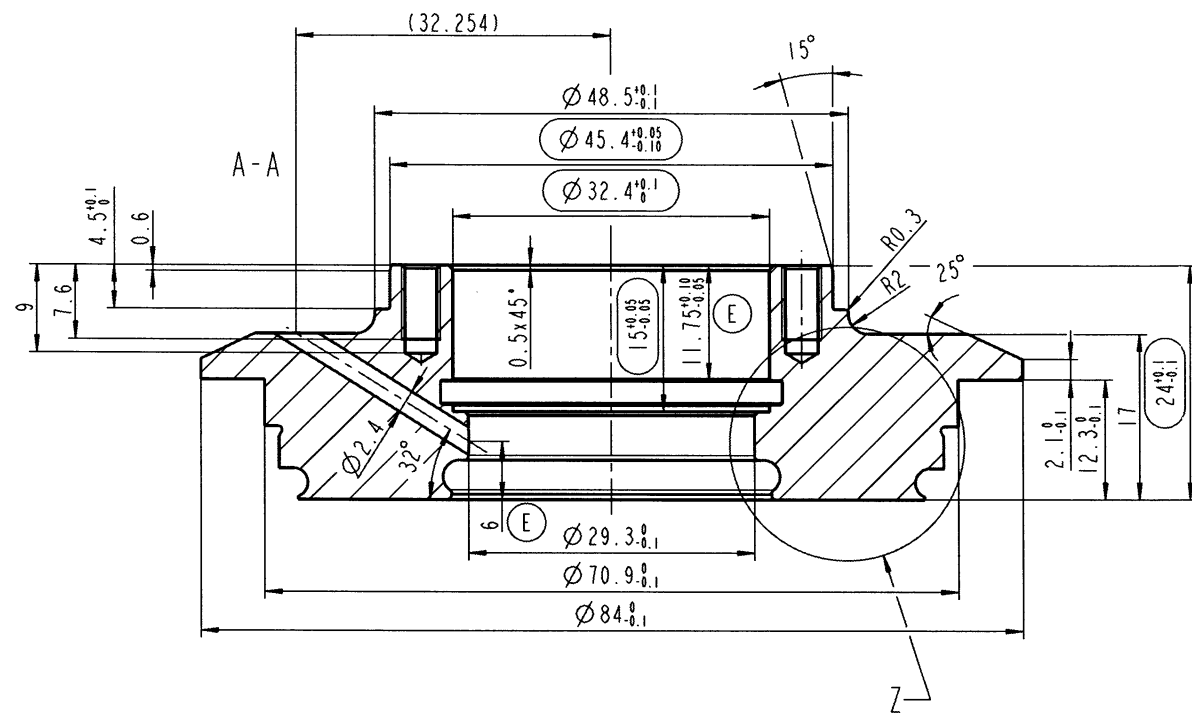
Oberfläche frei von Kratzern  
und sonstigen Beschädigungen!  
surface free of scratches  
and other damages!

0F 18315.52  
elektropoliert / electropolished  
Ra 1,6 (Ra 0,76)

Schutzvermerk nach ISO 16016 beachten.		PLM	DIS	Endress+Hauser Conducta GmbH & Co. KG Gerlingen, Germany	
Refer to protection notice ISO 16016.		401609/000/F		<b>Endress+Hauser</b>	
Status	In_Serie			Werkstoff/material: 1.4435 3.1 Zeugnis	
	Datum/date			Maßstab/scale:	Zeichnungsnummer / drawing-no.
entworfen designed	08.07.11	Pfa	Toleranz/tolerance ISO 2768-mH-E		401609
Änderung revision	104308				
geändert revised	14.04.14	Pfa	creator- system	Pro/E	Benennung / title: Prozessadapter G1 1/2" CLD18 process adapter G1 1/2" CLD18
geprüft approved	15.04.14	serflinga	Format	DIN A3	
Gerät/used for: CLD18			Blatt/page 1/1		Production free







0718315-52

Oberfläche frei von Kratzern  
und sonstigen Beschädigungen! /  
surface free of scratches  
and other damages!

elektropoliert / electropolished  
-0,3 0,3 Ra 1,6 (Ra 0,76)

Schutzvermerk nach ISO 16016 beachten, PLM		D1S	Endress+Hauser Conducta	
Refer to protection notice ISO 16016.		401602/000/E	GmbH & Co. KG	
Status	In_Serie		Gerlingen, Germany	
entworfen designed	Datum/date	Name/name	Werkstoff/material: 1.4435 3.1 Zeugnis	
revisi revised	08.07.11	Pfa	Maßstab/scale: 2:1	
Änderung revised	20.06.13	Pfa	Zeichnungsnummer / drawing-no. 401602	
geprüft approved	03.07.13	fanselow	Benennung / title: Prozessadapter Varivent DN40-125 CLD18	
Gerät/used for: CLD18	Blatt/page 1/1		INDEX E	
			Production free GEB	



345 Carlingview Drive  
Toronto, Ontario  
CANADA M9W 6N9  
Tel.: 416.734.3300  
Fax.: 416.231.1626  
Toll Free: 1.877.682.8772  
**[www.tssa.org](http://www.tssa.org)**

August 17, 2016

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L0R 2H8  
CA

Service Request Type.: BPV-National MB  
Service Request No.: 1873818  
Your Reference No.: EH-CRN-12  
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from MB, registered under the CRN No.: 0F18315.54.

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  
Fax : 416-231-6183  
Email : [jkarpinski@tssa.org](mailto:jkarpinski@tssa.org)



**Inspection and Technical Services Manitoba**

500 - 401 York Avenue

Winnipeg Manitoba R3C 0P8

T (204) 945-3373

F (204) 948-2309

[www.firecomm.gov.mb.ca/codes\\_steam\\_pressure.html](http://www.firecomm.gov.mb.ca/codes_steam_pressure.html)

July 27, 2016

TSSA  
345 Carlingview Drive  
Toronto, ON  
M9W 6N9

Attn: Tanya Francis

**REGISTRATION OF VALVES AND FITTINGS**

**Manufacturer:** Endress + Hauser Conducta Inc.

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

DRAWING / CATALOGUE	CRN	FILE
AS PER 19-JAN-16 SCOPE OF REGISTRATION	0F18315.54	36671

**An invoice covering survey and registration fees is enclosed.**

**NOTE:**

- *CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA.*
- *See attached stamped "this is part of CRN" for scope of registration.*
- *This registration expires **March 10, 2026**.*

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Yours truly,

**Rabie Harb, E.I.T.**

*Design Surveyor*

Office of the Fire Commissioner

Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-3373

Email: [rabie.harb@gov.mb.ca](mailto:rabie.harb@gov.mb.ca)



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 YOUROSKI, 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

(Plant Address)

1-714-577-5600

(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 VIII-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 Fittings - Smartec CLD18 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 Anaheim in the County of Orange  
the 17 day of Feb. AD 20 16.

Commissioner for Oaths:

William E. Zinn  
(Printed name)

(Signature)

Mike Yourroski  
(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:

ΦF18315.54

Registered by:

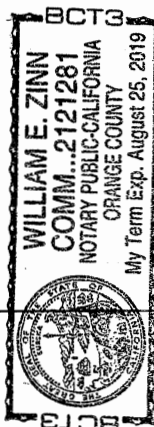
Rabie Harb

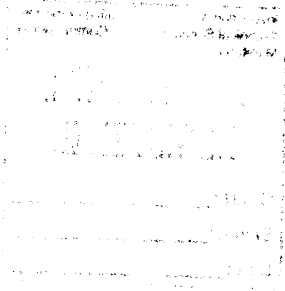
Dated:

2016/07/27

NOTE: This registration expires on

Mar 10, 2026





Cecylia Garbarz, a Commissioner, etc.,  
City of Toronto, for the Technical  
Standards & Safety Authority.  
Expires June 17, 2017.



**ENDRESS+HAUSER CONDUCTA INC.**

4123 LA PALMA AVE.  
ANAHEIM, CA  
92807, USA



19-Jan-16

**SCOPE OF CRN REGISTRATION****PRODUCT DESCRIPTION**

Description	Design Standard	End Connections	Drawings	EH TI Document
Smartec CLD18	ASME B31.3, ASME VIII-1 UG-101(m)	G 1-1/2, 2" ASME BPE, ISO2852, DIN 32676 Clamp Ferrule (Note 1), DN40-125 Varivent (Note 1)	R-0446, 401609, 401610, 401602	TI01080C/07/EN/02.14

**PRESSURE - TEMPERATURE RATINGS**

MDMT	MAWP AT 122 F	MAWP AT 230 F	MAWP AT 266 F	NOTES
14F	174 psig	98 psig at 230 F	72.5 psig at 266 F	None

**MATERIALS OF CONSTRUCTION**

PROCESS ADAPTER MATERIAL (NOTE 2)	SENSOR SHELL MATERIAL	NOTES
ASTM A479-316L, STAINLESS STEEL 1.4435 TYPE 316L, UNS S31603	PEEK (POLYETHERETHERKETONE)	Optional process adapter materials may be used. See Note 2.

**MANUFACTURING LOCATIONS**

Endress+Hauser Conducta 70839 Gerlingen incl. manufacturing sites 04736 Waldheim and 64823 GroB-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 assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

**Note 2)** The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows:  
N06022, B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);



To:	TSSA	From:	Janet Townsend
Company:	Endress+Hauser Conducta Inc.	Phone:	416-747-4291
Pages:	5	Location:	Toronto
Our File:	ANR-4109	Date:	July 25, 2016

Your File: 1873810

**Subject: Request for Design Registration**

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Endress+Hauser Conducta Inc. These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces.

The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0F18315.56.

The cost for this service is \$ 760.00 plus HST.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

**Janet Townsend**

Account Manager

CSA Group

[janet.townsend@csagroup.org](mailto:janet.townsend@csagroup.org)

[www.csagroup.org](http://www.csagroup.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 YOUROSKI, 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

(Plant Address)

1-714-577-5600

(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 VIII-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 Fittings - Smartec CLD18 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 Anaheim in the County of Orange  
the 17 day of Feb. AD 2016.

Commissioner for Oaths:

William E. Zinn  
(Printed name)

(Signature)

Mike 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:

CSA-OF18315.56

Registered by:

A. BANWATT

Dated:

JULY. 24. 2016

NOTE: This registration expires on

MARCH. 10. 2016



REGISTERED

C.R.N.:

CSA-OF18315.56

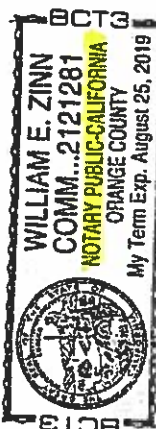
Signed:

A. Banwatt

Date:

24 July, 2016

170 Rexdale Boulevard, Toronto, ON Canada M9W 1R3



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

19-Jan-16

ATTACHMENT TO

C.R.N.:

CSA-0F18315.56

Signed:

*[Signature]*

178 Rensselaer Boulevard, Toronto, ON Canada M5W 1R3

## SCOPE OF CRN REGISTRATION

### PRODUCT DESCRIPTION

Description	Design Standard	End Connections	Drawings	EH TI Document
Smartec CLD18	ASME B31.3, ASME 4H-4-UG-101(m)	G 1-1/2, 2" ASME BPE, ISO2852, DIN 32676 Clamp Ferrule (Note 1), DN40-125 Varivent (Note 1)	R-0446, 401609, 401610, 401602	TI01080C/07/EN/02.14

### PRESSURE - TEMPERATURE RATINGS

MDMT	MAWP AT 122 F	MAWP AT 230 F	MAWP AT 266 F
14F	174 psig	98 psig at 230 F	72.5 psig at 266 F

### MATERIALS OF CONSTRUCTION

PROCESS ADAPTER MATERIAL (NOTE 2)	SENSOR SHELL MATERIAL
ASTM A479-316L, STAINLESS STEEL 1.4435 TYPE 316L, UNS S31603	PEEK (POLYETHERETHERKETONE)
Optional process adapter materials may be used. See Note 2.	

THIS IS PART OF

CRN 0F18315.5

Technical Standards & Safety Authority

Boilers & Pressure Vessels

Safety Program

### MANUFACTURING LOCATIONS

Endress+Hauser Conducta 70839 Gerlingen incl. manufacturing sites 04736 Waldheim and 64823 GroB-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 assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows:  
N06022, B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55 (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);



# Certificate

SQS herewith certifies that the company named below has a management system which meets the requirements of the standards specified below.

**Endress+Hauser** 

People for Process Automation

**Endress + Hauser Conducta  
Gesellschaft für Mess-  
und Regeltechnik mbH + Co. KG  
70839 Gerlingen  
Germany**

## Certified area

Germany:

Endress+Hauser Conducta  
70839 Gerlingen incl. manufacturing sites  
04736 Waldheim and 64823 Groß-Umstadt

P. R. China

215021 Suzhou, Endress+Hauser Analytical Instruments Suzhou Co. Ltd.

USA

92807-1813 Anaheim, Endress+Hauser Conducta Inc.

## Field of activity

Measurement technology for analysis of liquids

## Standards

**ISO 9001:2008**

**Quality Management System**

**ISO 14001:2004**

**Environmental Management System**

**OHSAS**

**Occupational Health and**

**18001:2007**

**Safety Management System**

Swiss Association for Quality and  
Management Systems SQS  
Bernstrasse 103, CH-3052 Zollikofen  
Issue date: April 1, 2014

This SQS Certificate is valid up to  
and including **March 31, 2017**  
Scope numbers 18, 19  
Registration number 10705



Trusted Cert



X. Edelmann, President SQS



SCESm 001



R. Gläuser, CEO SQS



Swiss Made

Partner of  






Saskatchewan  
Municipal  
Government

## Saskatchewan

Procedural Services  
330 - 1851 Victoria Avenue  
Regina, Saskatchewan  
S4P 3V7

787-4509

April 23, 1998

### Re: Fittings Registration

The Province of Saskatchewan will be participating with Quebec, Manitoba and the Canadian Standards Association (CSA) in a pilot project for the registration of fittings. We will recognize registrations done by CSA and accept such fittings for use in Saskatchewan.

The letters CSA will be applied as a prefix to the CRN to indicate which fittings have been registered in this manner. I would appreciate if you could inform your clients of this additional marking requirement.

You may also inform your clients that fittings registered by CSA are accepted for use in Saskatchewan.

Yours truly,

A handwritten signature in black ink, appearing to read 'N. Surtees'.

N. Surtees, P. Eng.  
Executive Director



345 Carlingview Drive  
Toronto, Ontario  
CANADA M9W 6N9  
Tel.: 416.734.3300  
Fax.: 416.231.1626  
Toll Free: 1.877.682.8772  
[www.tssa.org](http://www.tssa.org)

August 04, 2016

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L0R 2H8  
CA

Service Request Type.: BPV-National ACI Central  
Service Request No.: 1873798  
Your Reference No.: EH-CRN-12  
Registered to.: ENDRESS + HAUSER CONDUCTA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0F18315.59870YTN.

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)

## UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  
NUNAVUTNOVA SCOTIA  
YUKONPRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

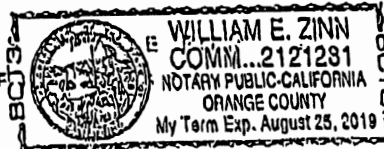
NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENDRESS+HAUSER CONDUCTA INC.	
MANUFACTURERS ADDRESS: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807	
PLANT LOCATIONS: GERMANY, P.R.CHINA, USA	
<b>CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY</b> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	<b>TITLE OF THE STANDARD OF CONSTRUCTION</b> - ASME B31.3 - ASME VIII-1
<b>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</b> <div style="text-align: center;"> <b>Endress+Hauser</b>           People for Process Automation       </div>	<b>TYPE OF CONSTRUCTION</b> FORGED <input type="checkbox"/> WELDED <input checked="" type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: PEEK & METAL
<b>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</b> - SMARTEC CLD18 DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN	

## DECLARATION:

I MIKE YOURSKI, QUALITY MGR (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SCS ISO 9001:2008 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Mike Yourski  
 Declared before me at Anaheim  
 This 17 day of Feb. AD 2016  
 Commissioner of Oaths  
 or Notary Public: (sign) [Signature]


USE THIS  
OFF

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0F18315.5</u> FID#: <u>14878</u>	<b>ACCEPTED</b> <b>PROVINCE OF PRINCE EDWARD ISLAND</b> <b>COMMUNITIES, LAND &amp; ENVIRONMENT</b> C.R.N. <u>0F18315.59</u> DATE: <u>13/16</u>
<b>Notes:</b> 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	<b>INSPECTION SERVICES SECTION</b> <b>BOILER/PRESSURE VESSEL BRANCH</b> Sect. 1.0 - Fittings Rev. 1 06/2003

## UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  
NUNAVUTNOVA SCOTIA  
YUKONPRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENDRESS+HAUSER CONDUCTA INC.	
MANUFACTURERS ADDRESS: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807	
PLANT LOCATIONS: GERMANY, P.R.CHINA, USA	
<b>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</b> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps <input checked="" type="radio"/> F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	<b>TITLE OF THE STANDARD OF CONSTRUCTION</b> - ASME B31.3 - ASME VIII-1
<b>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</b> <div style="text-align: center;"> <h1>Endress+Hauser</h1>  <p>People for Process Automation</p> </div>	
<b>TYPE OF CONSTRUCTION</b> FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: PEEK & METAL	
<b>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</b> - SMARTEC CLD18 DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN	

## DECLARATION:

I, MIKE YOURSKI, QUALITY MGR (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS (ISO 9001:2008) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Mike Yourski  
 Declared before me at Anheim  
 This 17 day of Feb. AD 2016  
 Commissioner of Oaths  
 or Notary Public: (sign) [Signature]

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This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OF18315.5

FID#: 14878

Notes:

1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

Date June 10/16  
 C.R.N. OF18315.58  
 Dwg. as described  
 Signed Joanne Perry  
 1 of 1  
 Part  
 ACT & REGULATIONS

Sect. 1.0 - Fittings Rev. 1 06/2003

# UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENDRESS+HAUSER CONDUCTA INC.	
MANUFACTURERS ADDRESS: 4123 LA PALMA AVE., ANAHEIM, CA, USA. 92807	
PLANT LOCATIONS: GERMANY, P.R.CHINA, USA	
<b>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</b> A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps (F) Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)	<b>TITLE OF THE STANDARD OF CONSTRUCTION</b> - ASME B31.3 - ASME VIII-1
<b>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</b> <div style="text-align: center; padding: 10px;"> <h2 style="margin: 0;">Endress+Hauser</h2> <p style="margin: 0;">People for Process Automation</p> </div>	
<b>TYPE OF CONSTRUCTION</b> FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: PEEK & METAL	
<b>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</b> - SMARTEC CLD18 DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN	

**DECLARATION:**

I, MIKE YOURSKI, QUALITY MGR (see note 3) employed by ENDRESS+HAUSER and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS (ISO 9001:2008) as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Mike Yourski  
 Declared before me at Anshen  
 This 17 day of Feb. AD 2016  
 Commissioner of Oaths  
 or Notary Public: (sign) [Signature]



<p style="text-align: center; font-size: small;">This space for Regulatory Authority use New Brunswick / Nouveau Brunswick</p> <p style="text-align: center;">This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>0F18315.5</u></p> <p>FID#: <u>14878</u></p> <p>Notes:                      1. All fittings shall be registered in the name of the Manufacturer.                      2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.                      3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.                      4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.</p>	<p><b>DEPT OF PUBLIC SAFETY</b>  <b>BOILER &amp; PRESSURE VESSEL ACT</b></p> <p><b>REGISTRATION ONLY</b></p> <p>CRN <u>0F18315.57</u></p> <p>EXAMINER: <u>[Signature]</u>  <b>for</b>  <b>CHIEF BOILER INSPECTOR</b></p> <p>DATE: <u>6/10/2016</u> Sect. 1.0 - Fittings Rev. 1 06/2003</p>
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# UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

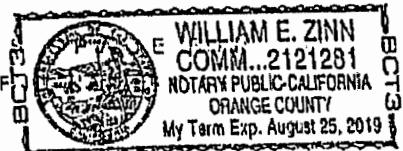
MANUFACTURERS NAME: ENDRESS+HAUSER CONDUCTA INC.	
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PLANT LOCATIONS: GERMANY, P.R.CHINA, USA	
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<p><b>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</b></p> <p><b>Endress+Hauser</b>           People for Process Automation</p>	<p><b>TYPE OF CONSTRUCTION</b></p> <p>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/>          CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>          DESCRIBE OTHER: PEEK &amp; METAL</p>
<p><b>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</b></p> <p>- SMARTEC OLD18 DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN</p>	

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Signature of Declarer: Mike Yourski  
 Declared before me at Anaheim  
 This 17 day of Feb. AD 2016  
 Commissioner of Oaths  
 or Notary Public: (sign) [Signature]

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<p>This space for Regulatory Authority use</p> <p>This registration must be revalidated after ten (10) years from the date of acceptance.</p>	
<p>CRN: <u>0F18315.5</u></p> <p>FID#: <u>14878</u></p>	<p><b>Newfoundland Labrador Service NL</b></p> <p>Registered <u>0F18315.50</u>          Date <u>16/06/16</u>          Engineering and Inspection Services          Registered by <u>[Signature]</u></p> <p>UNDER THE AUTHORITY OF THE          PUBLIC SAFETY ACT AND          THE BOILER, PRESSURE VESSEL AND          COMPRESSION EQUIPMENT REGULATION 2003</p>
<p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>1. All fittings shall be registered in the name of the Manufacturer.</li> <li>2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.</li> <li>3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.</li> <li>4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.</li> </ol>	


# UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

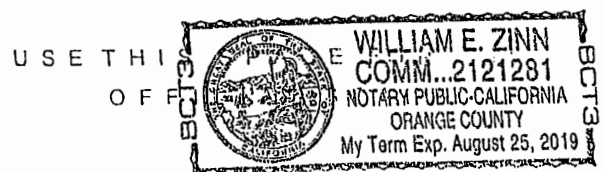
NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENDRESS+HAUSER CONDUCTA INC.	
MANUFACTURERS ADDRESS: 4123 LA PALMA AVE., ANAHEIM, CA, USA, 92807	
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<b>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</b> <div style="text-align: center; font-size: 1.5em; font-weight: bold;">Endress+Hauser</div> <div style="text-align: center; font-size: 1.2em;">People for Process Automation</div> <div style="text-align: center; margin-top: 10px;">  </div>	
<b>TYPE OF CONSTRUCTION</b> FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: PEEK & METAL	
<b>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</b> - SMARTEC CLD18 DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN	

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Signature of Declarer: *Mike Yourski*  
 Declared before me at Anheim  
 This 17 day of Feb. AD 2016  
 Commissioner of Oaths  
 or Notary Public: (sign) *[Signature]*



This space for Regulatory Authority use

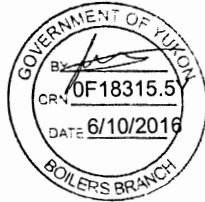
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CRN: 0F18315.5

FID#: 14878

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Sect. 1.0 - Fittings Rev. 1 06/2003

## UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  
NUNAVUTNOVA SCOTIA  
YUKONPRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

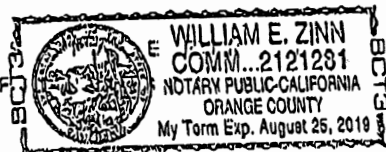
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Endress+Hauser  People for Process Automation	
TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: PEEK & METAL	
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CRN: 0F18315.5  
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Northwest Territories  
 REGISTERED  
 UNDER THE AUTHORITY OF  
 THE BOILER AND PRESSURE  
 VESSEL ACT.  
 C.R.N. 0F18315.5  
 SIGNED [Signature]  
 DATE June 17, 2016  
 Dec. 1.0 - Rev. 1 06/2003

76300


# UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK  
NUNAVUT

NOVA SCOTIA  
YUKON

PRINCE EDWARD ISLAND  
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

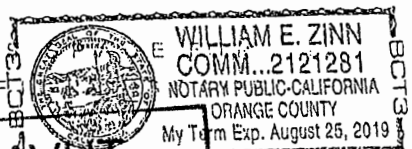
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 or Notary Public: (sign) [Signature]

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CRN: <u>0F18315.5</u> FID#: <u>14878</u>	NUNAVUT Boilers and Pressure Vessels Act <b>REGISTERED</b> <u>0F18315.5N</u> <u>June 10, 2016</u> Signed <u>[Signature]</u> Chief Inspector Territorial Registration Fee
Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	