

9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

February 15, 2023

Attention: Cecylia Garbacz

TECHNICAL STANDARDS & SAFETY AUTHORITY

345 CARLINGVIEW DRIVE TORONTO, ON M9W 6N9

The design submission, Tracking Number 2023-00535, Web Portal Number 2023-S0290, originally received on January 30, 2023 was surveyed and accepted for registration as follows:

CRN: 0F15714.52 **Accepted on:** February 15, 2023

Reg Type: RENEWAL **Expiry Date:** January 10, 2033

Drawing No.: CRN Renewal. See attached Scope of Registration

Fitting type: CPS & CPF sensors

Design registered in the name of : ENDRESS + HAUSER CONDUCTA INC

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

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction are ASME B31.3 and ASME B31.1.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.
- 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 or AB-351 Declaration of Conformity 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, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3330 or fax (780) 437-7787 or e-mail grynchuk@absa.ca.

Sincerely,

GRYNCHUK, MILLA, P. Eng.

DOP Cert. No. D00005217

2023-00535 Page 1 of 1



STATUTORY DECLARATION Registration of Fittings Single or Multiple Fitting Designs within one Fitting Category

I, <u>LEO</u>	NARD AMBROSINI	r	n this space, show facsimile of nanufacturer's logo or tradema is it will appear on the fitting.				
	(name of applicant)		(position title) (must b	e in a position of	• • •		
of EN	DRESS+HAUSER C		NC. of manufacturer)			indress+Hauser 🔼	
located	at SEE ATTACHED	•	•	PENDIX			
			nt address)				
	mnly declare that the only one)	fittings listed	hereunder, which a	re subject to t	he Safety Cod	es Act	
	comply with the requi	(t	itle of recognized North	American Standa	rd)	ifies the dimensions,	
r	materials of construc	ction, pressure	e/temperature rating	s and identific	ation marking	of the fittings, or	
	are not covered by th	e provisions o	of a recognized Nor	th American st	andard and a	re therefore	
r	manufactured to comply with as supported by the as supported by the						
â	attached data which identifies the dimensions, materials of construction, pressure/temperature ratings						
and the basis for such ratings, and the identification marking of the fittings.							
		ii ratirigs, and	the identification in	arking or the r	ittirigs.		
I further	declare that the mar	nufacture of th	nese fittings is contr	olled by a qua	lity control pro	gram which has	
been ve	rified as described in	n the below Ta	able as being suitab	le for the man	ufacturing of t	hese fittings to the	
stated s	tandard, regulation,	code, guidelin	e or other applicabl	e document. 7	The fittings cov	ered by the	
declarat	tion for which I seek	registration ar	e as provided in the	Supplementa	ary Sheet(s) at	tached.	
					, ,		
Quality Program Verification and Manufacturing Sites							
A copy of the Quality Certificate from each manufacturing site must be included							
Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organizatio	Location(s) Plant Name and address	
1.	Sensors	ISO 9001:2015	Research, Development, Manufacturing and Sales	March 31, 2023	SQS	See Attached Worldwide Locations Appendix	
2.							





in support of this application, the following information, calcula	
SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS	5
(Signature of the Declarer)	2022 - 09 - 20 (Date)
DECLARED before me at in the	of (province, territory, or state)
this day of,(Ye	, , , , , , , , , , , , , , , , , , ,
(print) (a Commissioner of Oaths or Nolary Public)	Sec attached
(sign)(a Commissioner of Oaths or Notary Public)	Sec attached acknowledgment
(expiry date (mm/dd/yy))	
Commissioner of Oaths / Notary Public in and for:	(province, territory, or state)
For ABSA Office Use Only: NOTES:	
To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category	ABSA SAFETY CODES ACT - PROVINCE OF ALBERTA
CRN:	ACCEPTED: 0F15714.52 See acceptance letter for conditions of registration.
Registered Date:	Date: 2023-02-15 By: Skyrchov MILLA GRYNCHUK, P. Eng. DOP: D00005217
Expiry Date:	This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.
Signature: (Signature of the Administrator/SCO)	
(Signature of the Administrator/SCO) 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 Pressure Equipment Discipline	

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California	}
County of Orange	}
On _09/20/2022 before me, _	Laurel Boles (Here insert name and title of the officer)
personally appeared Leonard Ambrosin	ni,
who proved to me on the basis of satisf name(s)(s)are subscribed to the within he she/they executed the same in his/h	actory evidence to be the person(s) whose instrument and acknowledged to me that er/their authorized capacity(les), and that by ent the person(s), or the entity upon behalf of
I certify under PENALTY OF PERJURY the foregoing paragraph is true and cor	LAUREL BOLES
WITNESS my hand and official seal.	Notary Public - California Orange County My Comm. Expires Feb. 17, 2025
Law Boles	
Notaty Public Signature (No	otary Public Seal)
ADDITIONAL OPTIONAL INFORMAT	INSTRUCTIONS FOR COMPLETING THIS FORM
DESCRIPTION OF THE ATTACHED DOCUMENT	if needed, should be completed and attached to the document. Acknowledgments
UNIFORM STATUTORY DECLARATION	from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.
(Title or description of attached document)	State and County information must be the State and County where the document
Form for Registration of Fittings ACI (Title or description of attached document continued)	signer(s) personally appeared before the notary public for acknowledgment. • Date of notarization must be the date that the signer(s) personally appeared which
	must also be the same date the acknowledgment is completed. • The notary public must print his or her name as it appears within his or her
Number of Pages _1 Document Date _09/20/2022	commission followed by a comma and then your title (notary public). • Print the name(s) of document signer(s) who personally appear at the time of
CAPACITY CLAIMED BY THE SIGNER	notarization. • Indicate the correct singular or plural forms by crossing off incorrect forms (i.e.
☐ Individual (s)	he/she/they, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
☐ Corporate Officer	The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a
(Title)	sufficient area permits, otherwise complete a different acknowledgment form.
☐ Partner(s)	 Signature of the notary public must match the signature on file with the office of the county clerk.
☐ Attorney-in-Fact	Additional information is not required but could help to ensure this
☐ Trustee(s) ☐ Other	acknowledgment is not misused or attached to a different document. Indicate title or type of attached document, number of pages and date.
Other	Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).

• Securely attach this document to the signed document with a staple.

www NotaryClasses com 800-873-9865



WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

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

(rev. June 17, 2020)

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.
No. 31 JiangTianLiLu
Suzhou Industrial Park 215126
People's Republic of China
ISO 9001 Certified by SQS

4123 LA PALMA AVE. ANAHEIM, CA 92807, USA

Endress+Hauser (록

Page 1 of 2

SCOPE OF CRN REGISTRATION

Туре	Shaft Material	Shaft Sealing	Order code Memosens 1.0	Order code Memosens 2.0	Max. Temperature	Max. Pressure (abs.)	Applicable TI document
	glass tube lead-free:		CPS11D-*****+*	CPS11E-*****+*	+135 °C / 275 °F	13.8 bar / 200 psi abs.	TI01493C
∢	outside diameter: 11.90 mm +/-0.10	potting	CPS12D-*****+*	CPS12E-*****+*	+135 °C / 275 °F	13.8 bar / 200 psi abs.	TI01494C
	thickness: 1.40 mm +/-0.04		CPS16D-*****+*	CPS16E-*****+*	+135 °C / 275 °F	17 bar / 246 psi abs.	TI01600C
				CPS61E-***TU*+*	+130 °C / 266 °F	7 bar / 101.5 psi abs.	TI01566C
			-	CPS62E-*****+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01604C
α	glass tube lead-free:	ci#cc	CPS71D-*TB/TC/TU**+*	CPS71E-***TB/TC/TU*+	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01496C
ב	thickness: 1.0	Silling Silling	CPS76D-*BB/BU**+*	CPS76E-***TB/TU*+*	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01601C
			CPS72D-****+*	CPS72E-*****+*	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01576C
			CPS31D-*****+*	CPS31E-*****+*	+80 °C / 176 °F	4 bar / 60 psi abs.	TI01574C
			CPS91D-****+*	CPS91E-*****+*	+110 °C / 230 °F	10 bar / 145 psi abs.	TI01497C
			CPS92D-****+*	CPS92E-*****+*	+110 °C / 230 °F	8.6 bar / 125 psi abs.	TI01577C
			CPS96D-****+*	CPS96E-*****+*	+110 °C / 230 °F	14 bar / 203 psi abs.	TI01602C
	glass tube lead-free:		CPS41D-*****+*	CPS41E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01495C
ပ	outside diameter: 11.90 mm +/-0.10	glass melt	CPS42D-*****+*	CPS42E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01575C
			CPS71D-*TP**+*	CPS71E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01496C
			CPS171D-**NTP*+*	CPS61E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01566C
			CPS76D-*BP**+*	CPS76E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01601C
٥	MDDS ECAO			CPF81E-*****+*	+110 °C/ 230 °F	11 bar / 160 psi abs.	TI01594C
ב		pormig		CPF82E-*****+*	+ 80 °C/ 176 °F	10.3 bar / 150 psi abs. TI01595C	TI01595C

4123 LA PALMA AVE. ANAHEIM, CA 92807, USA

Endress+Hauser

Page 2 of 2

SCOPE OF CRN REGISTRATION CONTINUED

				*T******	+100 °C / 212 °F	+100 °C / 212 °F 11 bar / 160 psi abs.	T1046460	
ח		;; ;;	Į	-17.40	+135 °C / 275 °F	+135 °C / 275 °F		
		bound		CPS77E-*****+*	+135 °C / 275 °F	+135 °C / 275 °F 11 bar / 160 psi abs. TI01617C	TI01617C	
				CPS97E-*****+*	+110 °C/ 230 °F	+110 °C/ 230 °F 11 bar / 160 psi abs. TI01618C	TI01618C	
Note 1) This CF the sensor elect	Note 1) This CRN Registration covers various CPS a the sensor electronics that have no effect on the pressore to Ewhich is the next letter in the alphabet.	various fect on th	CPS and CPF sensor	Note 1) This CRN Registration covers various CPS and CPF sensors. During the lifecycle of this product it may be necessary to update the sensor electronics that have no effect on the pressure retaining ability of the sensor. When this occurs the <u>E</u> in the product code will change to Ewhich is the next letter in the alphabet. This process of undating the sensor electronics may occur multiple times during the	of this product it in the this occurs the things may not be the th	nay be necessary to E in the product	o update code will	

cnange to <u>r.</u> wnich is the next letter in the alphabet. This process of updating the sensor electronics may occur multiple times during the lifecycle of this product and therefore as long as the pressure retaining components of the sensor do not change the applicable letter in the above product code has no effect on the validity of the CRN.

Note 2) 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 unlisted material.

Note 3) See Attached List of Endress+Hauser Manufacturing locations applicable to this CRN.

New Brunswick	Nova Scotia	Prince Edward Is	land birel	loudoundland and later to
Nunavut	Yukon	Northwest Territo		Newfoundland and Labrador
Manufacturers Na	TIE: ENDRESS+HAUSER COND	DUCTA INC.		The state of the s
Manufacturers Add	ress: SEE ATTACHED WORLD	WIDE LOCATIONS APPENDIX		
Plant Locations: SE	E ATTACHED WORLDWIDE LOC	ATIONS APPENDIX		
Categor	v of Fittings to be regist	ered. Circle one Catego s, plugs, unions, pipe caps, or	ry only reducers	Title of the Standard of Construction
C Valves: all line valve	S.			ASME B31.3
D Expansion joints, fle	kible connections, and hose	assemblies: all types		The state of the s
transmitters		vel gauges, sight glasses; lev		ASME B31.1
Doners, pressure ves	seis, piping and fusible hings	ceptable as primary over pres		
N Nuclear components	: Class 1 🗆 Class 2 🗆 Cl	ass 3 🔲 . (Meeting CNSC or a	ASME requirements)	
Show Manufacturer	s Name, Trademark, or I	ogo as it will appear on	the product	Type of Construction
E	ndrocciH	auser (El	7	Forged Welded Wrought Cast Other Describe other:
	IN 1632 A 1 1	ausei all	_y	Non-Metal
List of supporting d	ocumentation and ident	ification of the actual ite	ms to be register	
		REPORTS, SCOPE		
		LI 01170, 0001 L	O) Oldiv	
Type C - CPS91/9	92/96/41/42/71/171/61	CPS11/12/16 D/E; Typ /76 D&E Type D - CP	F81E/82E: Type	2/71/76/72/31 D&E E CPS47E/77E/97E).
Items proof tested	per UG-101(m)(2)(a)	with a safety factor of	10 (DGallant)	
my knowledge represe ratings, and identification fittings is regulated by verified by sos (150 pm) 120	nts the product for which a on markings are in accord a Quality Control Program as)	registration is sought. The ance with the herein name which extends to each pla	dimensions, mate ed standards. I fun ant where fabrication pose and I make the	nd being the person having full authority contained in this form is true to the best of trials of construction, pressure temperature ther declare that the manufacture of these on occurs in whole or in part and has been his solemn declaration conscientiously th.
This	ofAD)	Use this:	space for the Official Seal
Commissioner of Oaths	,	Se	ce attachi	ed acknowledgment
Or Notary Public: (sign	(Affix Official seal to the			J
	/Willy Outgot seat to file	This space for Regulatory A	uithority use	
	This registration mus	t be revalidated after ten (10)	years from the date	of acceptance.
CRN: 0F15714.5	Rev3		AC	CEPTED
4.4070		P	ROVINCE OF PR	INCE EDWARD ISLAND
FID#: 14878 Notes:	Mild resignation	C	OMMUNITIES, I	and & environment
	fortament to the warms of the blanch	Carabination of	IN FOF	15714.59RW3
2. Each Category shall b	istered in the name of the Manui e supported with two Statutory D	eclaration forms	C.R.N.	FCB 24/23
	be made by the person having fu	_	DATE:	Just 11
	uality of the end product. ms shall be resubmitted for valida	ation.	INSPECTION	SERVICES SECTION
11/2016	2.1 1.211		BOILER/PRESS	URE VESSEL BRECHTO Fittings Rev.2

11/2016 CRN expires Jan.10th, 2033

New Brunswick

Nova Scotia

New Brunswick	Nova Scotia	Prince Edward		Newfoundland and Labrador	
Nunavut	Yukon	Northwest Ten	itories		
Manufacturers Nan	ne: Endress+Hauser Condu	CTAINC.		WAA	
	ress; see attached worldy		ζ		A
	ATTACHED WORLDWIDE LOCA				
A Pipe fittings, includin B Flanges; all flanges	y of Fittings to be registe g couplings, tees, elbows, Ys,	red. Circle one Cate plugs, unions, pipe capi	gory only , or reducers	Title of the Standard of Construction	
C Valves; all line valves	s dble connections, and hose as			ASME B31.3	
E Strainers, filters, sep	arators, and steam trape			ASME B31.1	
F Measuring devices, in transmitters	ncluding pressure gauges, lev	el gauges, sight glasses,	levels, or press	ture	
G Certified capacity-rate	ed pressure relief devices acc	aptable as primary over p	ressure protect	tion on	
H Pressure retaining or	sels, piping and fualble plugs omponents that do not fall into				
N Nuclear components	: Class 1 Class 2 Cla	as 3 🗆 , (Meeting CNSC	or ASME requi		
Show Manufacturer	s Name, Trademark, or L	ogo as it will appear	on the produ		_
-				Cast U Other II	
	ndress+Ha	auser 🕰		Describe other:	
				Non-Metal	
List of supporting d	ocumentation and identi	fication of the actual	Items to be	realstered:	-
- DRAWINGS,	CALCULATIONS, R	EPORTS, SCOF	E OF CRI	N	
CPM Papawal C	DC sancors /Type A /	CDC44/49/46 D/C.	D. 001	S 61/62/71/76/72/31 D&E	
Type C - CPS91/	92/96/41/42/71/171/61/	76 D&E: Type D - 1	CPF81E/82E	E: Type E CPS47E/77E/97E)	
Items proof tester	per UG-101(m)(2)(a)	with a safety factor	of 10 (DGa	allant)	
Declaration:					
LEONARD AMBROSINI, GENE	RAL MANAGER (see note 3) Gr	nployed by ENDRES	S+HAUSER	and being the person having full autho	rity
and responsibility for the	he quality of the end produ	ct do solomnly declare	that the infon	metion contained in this form is true to the be as, materials of construction, pressure tempe	st of
ratings, and identificati	ion markings are in accorda	ance with the herein n	smed standar	ds. I further declare that the manufacture of t	hese
fittings is regulated by	a Quality Control Program	which extends to eac	plant where	fabrication occurs in whole or in part and has	been
verified by sas as as as true.	and knowing that it is of the	being suitable for that a same force and effer	purpose and i	I make this solemn declaration conscientious	У
	///		o o o o o o o o o o o o o o o o o o o		
Signature of Declarer:					
Declared before me at This day	7	Emphaseurburgs demons Electron paraul Electron physical framework (Break)	1 14	se this space for the Official Seal	
					1
Commissioner of Oath	/		see an	tached acknowledgmen	
Or Notary Public: (sign	(Affix Official seal to the	and the state of t		9	
		This space for Regulato			And the second second
CDN: 0F15714.	This registration must 5 Rev3	be revalidated after ten	(10) years from	100	
CRN: UF 137 14.	011000			NOVASTORIA	10
FID#: 14878	THE STREET STREET			(6/ noto 28 Feb 20)	12/
Notes:				0515711	2
	gistered in the name of the Manuf			C.R.N. 01-15-114. 58	Kevs
and one copy of supp	be supported with two Statutory De orting documentation.			ENO. As dexubed	,
	be made by the person having ful quality of the end product,	l authority and		$\mathcal{O}(0)$	
	ems shall be resubmitted for valids	ition.		Signed Val	
Administra				Sect Y.O. Fittings Rev.2-	7
CRN expires Ja	n.10th, 2033			Part	

REGULA

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Islan Northwest Territoria		vfoundland and Labrador		
		Northwood Formone	,0			
	me: ENDRESS+HAUSER CONDUC					
	dress: SEE ATTACHED WORLDW					
	E ATTACHED WORLDWIDE LOCAT ry of Fittings to be register		emby	Title of the Otendard of		
	ng couplings, tees, elbows, Ys,			<u>Title of the Standard of</u> <u>Construction</u>		
C Valves: all line valve	es			ASME B31.3		
	exible connections, and hose as parators, and steam traps	semblies: all types		ASME B31.1		
F Measuring devices,	including pressure gauges, leve	el gauges, sight glasses, level	s, or pressure			
transmitters G Certified capacity-ra	ted pressure relief devices acce	entable as primary over press	ere protection on			
boilers, pressure ves	ssels, piping and fusible plugs		are proteotion on			
H Pressure retaining of	components that do not fall into	one of the above categories				
	s: Class 1 Class 2 Clas					
Show Manufacture	rs Name, Trademark, or Lo	ogo as it will appear on the	ne product	Type of Construction Forged Welded Wrought		
Cinu.		(-(1)		Forged Welded Wrought Cast Other		
-	ndress+Ha	user 451		Describe other:		
	11011000-110	Color		Non-Metal		
List of supporting	documentation and identif	ication of the actual item	s to be registered			
	- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN					
- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN						
CRN Penewal CRS sensors (Type A. CRS44/42/46 D/E: Type B. CRS 64/62/74/76/72/24 D.S.E.						
CRN Renewal. CPS sensors (Type A - CPS11/12/16 D/E; Type B - CPS 61/62/71/76/72/31 D&E Type C - CPS91/92/96/41/42/71/171/61/76 D&E Type D - CPF81E/82E; Type E CPS47E/77E/97E).						
Items proof tested per UG-101(m)(2)(a) with a safety factor of 10 (DGallant)						
neme proof tested per or for (m)(2)(a) with a safety factor of to (Bealiant)						
Declaration:	EDAL MANAGED	ENDRESS+H	AUSER	(h - i 1		
and responsibility for	the quality of the end produc	t do solemnly declare that	the information col	being the person having full authority ntained in this form is true to the best of		
				als of construction, pressure temperature		
				er declare that the manufacture of these		
				occurs in whole or in part and has bee s solemn declaration conscientiously		
believing it to be true,	and knowing that it is of the	same force and effect as	f made under oath			
Cinnet as of Declare	111					
Signature of Declarer						
Declared before me a				200 110		
Thisda	y ofAD	Substitution of the Control of the C	-	ace for the Official Seal		
Commissioner of Oat	hs /	\$e	e attache	d lacknowledgment		
Or Notary Public: (sig	n)/	THE STATE OF THE S	DNe	w Nouveau		
	(Affix Official seal to the	right)	DI	UIISWICK		
		This space for Regulatory Au	thority PREPT OF J	USTICE PUBLIC SAFETY		
0515714	This registration must	be revalidated after ten (10) y	ears from herelesson	PRESSURE VESSELACT		
CRN: 0F15714	.5 Revs			TON CALLY		
FID#: 14878				SISTRATION ONLY		
Notes:	Control of the Contro		CRNQ	F15714,57Rev3		
	registered in the name of the Manufa	acturer.				
	be supported with two Statutory De		W.	Cus		
	porting documentation.		<u> </u>	POULED INSPECTOR		
The same of the sa	ill be made by the person having full quality of the end product.	authority and	CHIEF	O / O/ /)		
	rams shall be resubmitted for validat	tion.	DATE	2/24/25		
, some prog			DAIL	Sect 1.0 - Fittings Rev.2		
CRN expires Ja	an 10th 2033					
OLVIA EXPILES 19	an. rom, 2000		□BLRs	☐ PVs		
			FITTINGS	☐ NUCLEAR COMPONENTS		

New Brunswick

New Brunswick	Nova Scotia	Prince Edward Island	N			
Nunavut	Yukon	Northwest Territories	Newfoundland and Labrador			
Manufacturers Name	e: ENDRESS+HAUSER CON					
ivianuracturers Addre	CSS: SEE ATTACHED WOR	DWIDE LOCATIONS ADDRESS				
Fight Locations; SEE	ATTACHED WORLDWIDE LOC	CATIONS APPEARING				
Calenan	All letter man de la man a 2.	4 6 00 6	Title of the Standard of			
B Flanges: all flanges	coopings, tees, eloows, y	tered. Circle one Category only 's, plugs, unions, pipe caps, or reducers	Construction			
C Valves; all line valves D Expansion toints, fleville	ole connections, and hose		ASME B31.3			
			1000			
transmitters	luding pressure gauges, le	evel gauges, sight glasses, levels, or pres	ure			
G Certified capacity-rated	pressure relief devices ac	ceptable as primary over pressure protect	in on			
H Pressure retaining com	is, piping and fusible plugs ponents that do not fall in	s to one of the above categories				
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- DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN						
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Type C - CPS91/92/96/41/42/71/171/61/76 D&E Type D - CPS 61/62/71/76/72/31 D&E						
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LEGNARD AMBROSINI, GENERAL	MANAGER (see note 3) 61	mployed by ENDRESS+HAUSER	and hales the same but a to			
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nuings is regulated by a Q verified by sosisososisos	luality Control Program	which extends to each plant where is	s. I further declare that the manufacture of these obtication occurs in whole or in part and has been			
belleving it to be true, and	knowing that it is of the	being suitable for that purpose and I in same force and effect as If made un	micetion occurs in whole or in part and has been made this solemn declaration conscientiously			
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Or Notary Public: (sign)		See atta	iched acknowledgment			
	/Affly Official months the	The state of the s	3.011			
(Affix Official seal to the right)						
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	E ATTACHED WORLDWIDE LO				
A Pipe fittings, including B Flanges: all flanges	ry of Fittings to be regis ng couplings, tees, elbows, \	stered. Circle one C Ys, plugs, unions, pipe o	ategory only aps, or reducers		Title of the Standard of Construction
C Valves: all line valve					ASME B31.3
D Expansion joints, fle	exible connections, and hose parators, and steam traps	assemblies: all types			ASME B31.1
F Measuring devices,	including pressure gauges, I	level gauges, sight glass	es, levels, or pres	sure	. 13.112 2011.
transmitters	ted pressure relief devices a				
boilers, pressure ves	ssels, piping and fusible plug	is	er pressure protec	cuon on	
H Pressure retaining of	components that do not fall in	nto one of the above cat	egories		
N Nuclear components	s: Class 1 🗆 Class 2 🗆 C	Class 3 \ (Meeting Ch	SC or ASME requ	(irements)	
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Type C - CPS91	/92/96/41/42/71/171/6	31/76 D&E Type D	- CPF81E/82	E; Type E	CPS47E/77E/97E).
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	and knowing that it is of t	the same force and e	fect as if made u	under oath.	•
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	E: ENDRESS+HAUSER CONDUCT					
	ESS; SEE ATTACHED WORLDWID					
	of Fittings to be registere		only	Title of the Star	related of	
A Pipe fittings, including B Flanges; all flanges	couplings, tees, elbows, Ys, pl	ugs, unions, pipe caps, or re	ducers	Construct		
C Valves; all line valves				ASME B31.3		
E Strainers, filters, separ	le connections, and hose assu ators, and steam traps			ASME B31.1		
F Measuring devices, Inc	luding pressure gauges, level	gauges, sight glasses, levels	, or pressure			
G Certified capacity-rated	pressure relief devices accep	table as primary over pressu	re protection on			
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Commissioner of Oaths			_	the state of the s		
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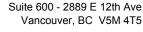
Newfoundland and Labrador

Prince Edward Island

New Brunswick

Nova Scotia

Nunavut Yukon **Northwest Territories** Manufacturers Name; ENDRESS+HAUSER CONDUCTA INC. Manufacturers Address; SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX Plant Locations: SEE ATTACHED WORLDWIDE LOCATIONS APPENDIX Category of Fittings to be registered. Circle one Category only Title of the Standard of A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unlons, pipe caps, or reducers B Flanges: all flanges Construction C Valves: all line valves **ASME B31.3** D Expansion joints, flexible connections, and hose assemblies; all types **ASME B31.1** Strainers, filters, separators, and steam traps Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure reflef 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 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements) Show Manufacturers Name, Trademark, or Logo as it will appear on the product Type of Construction Welded a Wrought a Forged o Cast o Other E Endress+Hauser 43 Describe other: Non-Metal List of supporting documentation and identification of the actual Items to be registered: - DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN CRN Renewal. CPS sensors (Type A - CPS11/12/16 D/E; Type B - CPS 61/62/71/76/72/31 D&E; Type C - CPS91/92/96/41/42/71/171/61/76 D&E; Type D - CPF81E/82E; Type E CPS47E/77E/97E). Items proof tested per UG-101(m)(2)(a) with a safety factor of 10 (DGallant) Declaration: (see note 3) employed by ENDRESS+HAUSER LEONARD AMBROSINI, GENERAL MANAGER 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 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 sas aso sou1:2015) 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: Declared before me at Use this space for the Official Seal See attached acknowledgment Commissioner of Oaths Or Notary Public: (sign) (Affix Official seal to the right) NUNAVI This space for Regulary Authority use.
be revalidated after team (1875) and from the date of acceptablers and Pressure Vessels This registration must be revalidated afterna-CRN: 0F15714.5 Rev3 Pressure Vessels Act FID#: 14878 REGISTERED Notes: CRN DF 15714, SN Reu3 1. All Fittings shall be registered in the name of the Manufacturer. Each Category shall be supported with two Statutory Declaration forms feb 21, 2023 and one copy of supporting documentation. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. Signed. Quality Control programs shall be resubmitted for validation. Chiefinspector Sect 1.0 - Fittings Rev.2 CRN expires Jan. 10th, 2033 Territorial Registration Fee





Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

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

Date: April 6, 2023 **Account #:** 35231

Journal #: 82312

Attn: TSSA BPV NATIONAL REGISTRATION

Re: Application for Design Registration

The design, as detailed in your, 0F15714.5R3 ENDRESS + HAUSER CONDUCTA IN, for a Fitting is accepted for registration as follows:

Registered To: ENDRESS + HAUSER CONDUCTA CRN: 0F15714.51

INC

Drawing #: Scope of CRN Registration

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 10-Jan-2033. 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. Any additional conditions of registration stated in TSSA CRN# 0F15714.5R3 registration shall apply to BC registration.

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

Janina Mihailescu

janina.mihailescu@technicalsafetybc.ca Design Administration

cc:

(PROD) 30400-20 GST #: 87391 2802 RT0001



April 15, 2023

TSSA 345 Carlingview Drive Toronto, ON M9W 6N9

Dear Cecylia Garbacz,

Re: Reciprocal CRN Registration in Manitoba

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, the design reviews conducted and accepted by the Canadian province or territory, or their delegated safety authority, will be mutually recognized in the Province of Manitoba. If a registration is conditionally based on compliance with the notes set by the original issuing Jurisdiction, such compliance shall be applied the same to this Province.

Your submission has been registered, as follows:

File Number: 74-R3017 CRN: 0F15714.54

Scope: Scope of Registration Attached for Renewal Manufacturer: ENDRESS + HAUSER CONDUCTA INC

Expiry Date: 10 January 2033

Along with this letter is the invoice for registration.

In addition, every vessel shall be stamped with the registration number and as required by CSA Code B51, a Manufacturer's Data Report (MDR) must be forwarded to this office immediately at the time a unit is shipped to Manitoba. Send your MDR to qasupport@gov.mb.ca. In your subject line, indicate "Manufacturer's Data Report-CRN No." A fee shall be billed to the Manufacturer to process data reports in accordance with the Steam and Pressure Plants Regulation section 17.1.

Please contact qasupport@gov.mb.ca for any questions or concerns.

Inspection and Technical Services

Labour, Consumer Protection and Government Services 508 – 401 York Avenue, Winnipeg, MB R3C 0P8 **T** (204) 945-3373 | **F** (204) 948-2089



2202 2nd Avenue Regina, SK S4R 1K3 Canada 1 (866) 530-8599 info@tsask.ca www.tsask.ca

REGISTRATION OF A PRESSURE FITTING DESIGN

15-Feb-23

TSSA 345 Carlingview Drive Toronto, Ontario M9W 6N9

Attention: Cecylia Garbacz File Number: 13496 [0 F]

Re: Manufacturer: Endress + Hauser Conducta Inc.

Item: CPS Sensors

Catalog or Drawing: Scope of Registration (10-Oct-22)

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

OF15714.53 Expiry Date: January 10, 2033

Please note that every fitting shall be constructed in strict accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Athan Syrgiannis, P.Eng. Codes and Standards Compliance

Remarks:

CRN renewal. Conditional upon compliance with the notes on the original TSSA registration.

A valid quality control program must be maintained at the production facilities for the fitting registration to remain valid until the expiry date.

See Worldwide Locations Appendix (rev. June 17, 2020) for list of manufacturing locations.



Codes & Standards Compliance Office

2202 2nd Ave.

Regina, SK S4R 1K3 PH: (306)798-7112 Toll Free: (866)530-8599 FAX: (306)787-9273 Toll Free: (866)760-9255

Email: boilerpermits@tsask.ca Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

			15K-1008			
I.	Declaration Information					
I,	LEONARD AMBROSINI	,	In this space, show facsimile of			
	GENERAL MANAGER		manufacturer's logo or trademark as it will appear on the fitting.			
	(company title, e.g. vice president, pla (must be in a position of authority in the manufactu					
of:	ENDRESS+HAUSER CONDUCTA INC.	Endrass	L Housey (77)			
	(name of mar		+Hauser الظنا			
loc	SEE ATTACHED WORLDWIDE Legal (Plant Address – Apt/Street)	OCATIONS APPENDIX (City,Prov)	(Postal Code)			
	•	reinunder, which are subject to the Saska	,			
0		ME B31.1, B31.3 which	specifies the dimensions,			
	(title	e of recognized North American Standard) Emperature ratings and identification marki	ng 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						
		materials of construction, pressure / tempe	erature ratings and the basis			
10	for such ratings, and the marking of the					
		se fittings is controlled by a quality control				
verified by the following authority, ISO 9001:2015 SQS as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are						
of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY F						
In:	In support of this application, the following information, calculations and / or test data are attached:					
	RAWINGS, CALCULATIONS, REP					
		0, 0.0 0. 0				
П	Declaration					
		In the	of			
	CLARED before me at	In the	01			
thi:			//			
-	print name)	(Signature)	2022-09-20			
		knowledgment				
(Signature of Commissioner of Oaths)						
III. Office Use Only						
To the best of my knowledge and belief, the application meets the requirements of the <i>Boiler and Pressure Vessel Safety Act</i> and CSA B51, Clause 4.2, and is accepted for registration in Category						
_		1				
	Technical Safety Authority	(Date Registered – MM DD YYYY)	(Expiry Date – MM DD YYYY)			
	of Saskatchevvan Registration No. 0F15714.53	(For the Administrator / Chief Inspector)				
70	File No13496					
	Registered		TSK-1008 Rev. 10/2012			
	Date: February 15, 2023 Expiry Date: January 10, 2033		Page 1 of 1			

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

}

	,
County of Orange	}
On _09/20/2022 before me, _	Laurel Boles (Here insert name and title of the officer)
personally appeared Leonard Ambrosin	ii
	actory evidence to be the person(s) whose
	instrument and acknowledged to me that
	er/their authorized capacity(ies), and that by
	ent the person(s), or the entity upon behalf of
which the person(s) acted, executed the	
. , ,	
Loortify under DENALTY OF DED HID	under the lowe of the State of California that
the foregoing paragraph is true and cor	under the laws of the State of California that
the foregoing paragraph is true and cor	LAUREL BOLES
	COMM. #2347599 Z Notary Public - California
WITNESS my hand and official seal.	Orange County -
(12)	My Comm. Expires Feb. 17, 2025
Talmy Cols	
Notary Public Signature (No	otary Public Seal)
¢	DICTRICATIONS FOR COMPLETING THIS FORM
ADDITIONAL OPTIONAL INFORMATI	INSTRUCTIONS FOR COMPLETING THIS FORM This form complies with current California statutes regarding notary wording and
DESCRIPTION OF THE ATTACHED DOCUMENT	if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long
Saskatchewan Statutory Declaration	as the wording does not require the California notary to violate California notary
(Title or description of attached document)	 law. State and County information must be the State and County where the documen
Registration of Fittings	signer(s) personally appeared before the notary public for acknowledgment.
(Title or description of attached document continued)	 Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
Number of Pages 1 Document Date 09/20/2022	 The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
Trumbor of Fagoo Boodinon Bato	Print the name(s) of document signer(s) who personally appear at the time of
CARACITY OF ARMED BY THE CICNED	notarization. • Indicate the correct singular or plural forms by crossing off incorrect forms (i.e.
CAPACITY CLAIMED BY THE SIGNER ☑ Individual (s)	he/she/they, is /are) or circling the correct forms. Failure to correctly indicate this
☐ Corporate Officer	information may lead to rejection of document recording. The notary seal impression must be clear and photographically reproducible
	Impression must not cover text or lines. If seal impression smudges, re-seal if a
(Title) □ Partner(s)	sufficient area permits, otherwise complete a different acknowledgment form. • Signature of the notary public must match the signature on file with the office of
☐ Attorney-in-Fact	the county clerk. Additional information is not required but could help to ensure this
☐ Trustee(s)	acknowledgment is not misused or attached to a different document.
Other	 Indicate title or type of attached document, number of pages and date. Indicate the capacity claimed by the signer. If the claimed capacity is a
	corporate officer indicate the title (i.e. CEO, CEO, Secretary)

• Securely attach this document to the signed document with a staple.

www.NotaryClasses.com 800-873-9865

State of California

4123 LA PALMA AVE. ANAHEIM, CA 92807, USA

Endress + Hauser 🖽

Technical
Safety Authority
of Saskatchevvan

Of Saskatchevvan

Registration No. 0F15714.53

File No. 13496

Registered
Date: February 15, 2023

Expiry Date: January 10, 2033

Codes & Standards Compliance Office

Page 1 of 2

10-Oct-22

SCOPE OF CRN REGISTRATION

Туре	Shaft Material	Shaft Sealing	Order code Memosens 1.0	Order code Memosens 2.0	Max. Temperature	Max. Pressure (abs.)	Applicable TI document
	glass tube lead-free:		CPS11D-******+*	CPS11E-*****+*	+135 °C / 275 °F	13.8 bar / 200 psi abs.	TI01493C
Α	outside diameter: 11.90 mm +/-0.10	potting	CPS12D-*****+*	CPS12E-*****+*	+135 °C / 275 °F	13.8 bar / 200 psi abs.	TI01494C
	thickness: 1.40 mm +/-0.04		CPS16D-*****+*	CPS16E-*****+*	+135 °C / 275 °F	17 bar / 246 psi abs.	TI01600C
				CPS61E-***TU*+*	+130 °C / 266 °F	7 bar / 101.5 psi abs.	TI01566C
				CPS62E-*****+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01604C
В	glass tube lead-free: outside diameter: 11.90 mm +/-0.10	potting	CPS71D-*TB/TC/TU**+*	CPS71E-***TB/TC/TU*+	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01496C
	thickness: 1.0	potting	CPS76D-*BB/BU**+*	CPS76E-***TB/TU*+*	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01601C
			CPS72D-****+*	CPS72E-*****+*	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01576C
			CPS31D-******+*	CPS31E-******+*	+80 °C / 176 °F	4 bar / 60 psi abs.	TI01574C
			CPS91D-****+*	CPS91E-*****+*	+110 °C / 230 °F	10 bar / 145 psi abs.	TI01497C
			CPS92D-****+*	CPS92E-*****+*	+110 °C / 230 °F		TI01577C
			CPS96D-****+*	CPS96E-******+*	+110 °C / 230 °F	14 bar / 203 psi abs.	TI01602C
	glass tube lead-free:		CPS41D-*****+*	CPS41E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01495C
С	outside diameter: 11.90 mm +/-0.10 thickness: 1.0	glass melt	CPS42D-*****+*	CPS42E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01575C
	unickness. 1.0		CPS71D-*TP**+*	CPS71E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01496C
			CPS171D-***NTP*+*	CPS61E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01566C
			CPS76D-*BP**+*	CPS76E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01601C
_	MDD0 5040			CPF81E-******+*	+110 °C/ 230 °F	11 bar / 160 psi abs.	TI01594C
D	MPPS-FG40	potting		CPF82E-*****+*	+ 80 °C/ 176 °F	10.3 bar / 150 psi abs.	

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SCOPE OF CRN REGISTRATION CONTINUED

E DEEK			CPS47E-*****+*	+100 °C / 212 °F	11 bar / 160 psi abs.	TI01616C	
	PEEK	potting		OF 347 L-	+135 °C / 275 °F	4 bar / 58 psi abs.	11010100
	FLLK	potting		CPS77E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01617C
				CPS97E-*****+*	+110 °C/ 230 °F	11 bar / 160 psi abs.	TI01618C

Note 1) This CRN Registration covers various CPS and CPF sensors. During the lifecycle of this product it may be necessary to update the sensor electronics that have no effect on the pressure retaining ability of the sensor. When this occurs the \underline{E} in the product code will change to \underline{F} which is the next letter in the alphabet. This process of updating the sensor electronics may occur multiple times during the lifecycle of this product and therefore as long as the pressure retaining components of the sensor do not change the applicable letter in the above product code has no effect on the validity of the CRN.

Note 2) 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 unlisted material.

Note 3) See Attached List of Endress+Hauser Manufacturing locations applicable to this CRN.





WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

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

(rev. June 17, 2020)

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.

No. 31 JiangTianLiLu Suzhou Industrial Park 215126 People's Republic of China ISO 9001 Certified by SQS





345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

January 10, 2023

ROUND ENGINEERING INC 10 SEGWUN RD WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)

Workorder No: 8217727 Your Reference No.: R1660

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: 0F15714.5R3

Main Design No.: Scope of Registration Attached for Renewal

Expiry Date: Jan 10, 2033

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

Renewal of CRN 0F15714.5. Items proof tested per UG-101(m)(2)(a) with a safety factor of 10

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). 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,

Shreyas Madhuranath M.Eng, P.Eng

Engineer, BPV

Tel.: +1 416-734-3212

Email: smadhuranath@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 DECLARAT Registration of Fittings	ION
I, LEONARD AMBROSINI, GENERAL MANAGER (Name and Position, e.g. President, Plant Manager, Chief Engineer)	or)
	51)
of ENDRESS+HAUSER CONDUCTA INC.	
(Name of Manufacturer)	
Located at	4-577-5658
(Plant Address) (Telepi	hone No.) (Fax No.)
do solemnly declare that the fittings listed hereunder, which are subject to the <i>Techn</i> and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3, ASME B31.1	nical Standards and Safety Act, Boilers
(Title of recognized North American Standard)	atification marking the fittings and conting
which specifies the dimensions, materials of construction, pressure/temperature ratings, ider	nuncation marking the fittings and service;
or are not covered by the provisions of a recognized North American standard and a as supported by the attached data which identifies	
pressure/temperature ratings and the basis for such ratings, the marking of the fitting for	or identification and service.
I further declare that the manufacture of these fittings is controlled by a quality system meetin which has been verified by the following authority, SQS	g the requirements of ISO:9001:2015
The items covered by this declaration, for which I seek registration, are category F	type fittings. In support of
this application, the following information and/or test data are attached as follows:	type mange. In eappert of
DRAWINGS, CALCULATIONS, REPORTS, SCOPE OF CRN	
(drawings, calculations, test reports, etc.)	
Declared before me at in the	of
the day of AD 20 See Attached	acknowledgment
Commissioner for Oaths:	
	/
(Printed name)	//
70	2022-09-20
(Signature)	(Signature of Declarer)
FOR OFFICE USE ONLY	
To the best of my knowledge and belief, the application meets the requirements of the	Technical Boilers and
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and	Standards Pressure Vessels and Safety Safety Program
CSA Standard B51 and is accepted for registration in Category	Authority
CRN:	REGISTERED
Pagistared by:	C.R.N.: 0F15714.5R3
Registered by:	Signed:
Dated:	Date: January 10, 2023.
NOTE: This registration expires on JAN 10, 2033	

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California	THIS IS PART OF CRN
County of Orange	OF15714.5R3 Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program
On _09/20/2022 before me, _	
name(s)(s)are subscribed to the within hearthey executed the same in his/he	actory evidence to be the person(s) whose instrument and acknowledged to me that er/their authorized capacity(ies), and that by ent the person(s), or the entity upon behalf of
I certify under PENALTY OF PERJURY the foregoing paragraph is true and cor WITNESS my hand and official seal.	rect. LAUREL BOLES COMM. #2347599 Notary Public - California Orange County My Comm. Expires Feb. 17, 2025
Notáry Public Signature (No	otary Public Seal)
•	INSTRUCTIONS FOR COMPLETING THIS FORM
DESCRIPTION OF THE ATTACHED DOCUMENT TSSA Declaration Registration (Title or description of attached document)	This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law. • State and County information must be the State and County where the document
of Fittings	signer(s) personally appeared before the notary public for acknowledgment. • Date of notarization must be the date that the signer(s) personally appeared which
(Title or description of attached document continued) Number of Pages1 Document Date09/20/2022	 must also be the same date the acknowledgment is completed. The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public). Print the name(s) of document signer(s) who personally appear at the time of
CAPACITY CLAIMED BY THE SIGNER ☐ Individual (s) ☐ Corporate Officer ☐ (Title) ☐ Partner(s) ☐ Attorney-in-Fact ☐ Trustee(s) ☐ Other	notarization. Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording. The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form. Signature of the notary public must match the signature on file with the office of the county clerk. Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document. Indicate title or type of attached document, number of pages and date.
www.NotaryClasses.com.800-873.9865	 Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary). Securely attach this document to the signed document with a staple.

www NotaryClasses com 800-873 9865

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0F15714.5R3
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

10-Oct-22

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Endress + Hauser 🖽

SCOPE OF CRN REGISTRATION

Туре	Shaft Material	Shaft Sealing	Order code Memosens 1.0	Order code Memosens 2.0	Max. Temperature	Max. Pressure (abs.)	Applicable TI document
	glass tube lead-free:		CPS11D-*****+*	CPS11E-*****+*	+135 °C / 275 °F	13.8 bar / 200 psi abs.	TI01493C
Α	outside diameter: 11.90 mm +/-0.10	potting	CPS12D-*****+*	CPS12E-*****+*	+135 °C / 275 °F	13.8 bar / 200 psi abs.	TI01494C
	thickness: 1.40 mm +/-0.04		CPS16D-*****+*	CPS16E-*****+*	+135 °C / 275 °F	17 bar / 246 psi abs.	TI01600C
				CPS61E-****TU*+*	+130 °C / 266 °F	7 bar / 101.5 psi abs.	TI01566C
				CPS62E-*****+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01604C
В	glass tube lead-free: outside diameter: 11.90 mm +/-0.10	notting	CPS71D-*TB/TC/TU**+*	CPS71E-***TB/TC/TU*+	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01496C
	thickness: 1.0	potting	CPS76D-*BB/BU**+*	CPS76E-***TB/TU*+*	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01601C
			CPS72D-****+*	CPS72E-*****+*	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01576C
			CPS31D-*****+*	CPS31E-*****+*	+80 °C / 176 °F	4 bar / 60 psi abs.	TI01574C
			CPS91D-****+*	CPS91E-*****+*	+110 °C / 230 °F	10 bar / 145 psi abs.	TI01497C
			CPS92D-****+*	CPS92E-*****+*	+110 °C / 230 °F	8.6 bar / 125 psi abs.	TI01577C
			CPS96D-****+	CPS96E-*****+*	+110 °C / 230 °F	14 bar / 203 psi abs.	TI01602C
	glass tube lead-free:		CPS41D-*****+*	CPS41E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01495C
	outside diameter: 11.90 mm +/-0.10 thickness: 1.0	glass melt	CPS42D-*****+*	CPS42E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01575C
	unickness. 1.0		CPS71D-*TP**+*	CPS71E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01496C
			CPS171D-***NTP*+*	CPS61E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01566C
			CPS76D-*BP**+*	CPS76E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01601C
П	MDDS EC40	notting		CPF81E-*****+*	+110 °C/ 230 °F	11 bar / 160 psi abs.	TI01594C
D	MPPS-FG40	potting		CPF82E-******+*	+ 80 °C/ 176 °F	10.3 bar / 150 psi abs.	TI01595C

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0F15714.5R3
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Program

10-Oct-22

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Endress + Hauser

SCOPE OF CRN REGISTRATION CONTINUED

E DEEK			CPS47E-*****+*	+100 °C / 212 °F	11 bar / 160 psi abs.	TI01616C	
	PEEK			CF347L- +	+135 °C / 275 °F	4 bar / 58 psi abs.	11010100
	E FEER	potting		CPS77E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01617C
				CPS97E-*****+*	+110 °C/ 230 °F	11 bar / 160 psi abs.	TI01618C

Note 1) This CRN Registration covers various CPS and CPF sensors. During the lifecycle of this product it may be necessary to update the sensor electronics that have no effect on the pressure retaining ability of the sensor. When this occurs the \underline{E} in the product code will change to \underline{F} which is the next letter in the alphabet. This process of updating the sensor electronics may occur multiple times during the lifecycle of this product and therefore as long as the pressure retaining components of the sensor do not change the applicable letter in the above product code has no effect on the validity of the CRN.

Note 2) 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 unlisted material.

Note 3) See Attached List of Endress+Hauser Manufacturing locations applicable to this CRN.



WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

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

(rev. June 17, 2020)

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.

No. 31 JiangTianLiLu Suzhou Industrial Park 215126 People's Republic of China ISO 9001 Certified by SQS

THIS IS PART OF CRN

0F15714.5R3

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety

Program



Direction générale de l'inspection

Montréal, 9 mars 2023.

MADAME CECYLIA GARBACZ TECHNICAL STANDARDS & SAFETY AUTHORITY 345 CARLINGVIEW DRIVE TORONTO ONTARIO CANADA M9W 6N9

Fabricant: ENDRESS + HAUSER CONDUCTA INC

4123 EAST LA PALME AVE. S 200 ANAHEIM CA

USA 92807

Numéro de dossier : 946508

Numéro(s) de dessin(s): Scope of registration 10 oct 2022

Objet: Enregistrement des plans et devis - Confirmation de l'enregistrement

Bonjour,

Nous vous informons que votre demande d'enregistrement de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) suivant : **0F15714.56.**

Nous portons votre attention sur certaines exigences réglementaires concernant les installations sous pression, ainsi que des codes et normes qui y sont associés :

- Le fabricant doit maintenir un programme de contrôle de la qualité valide pour fabriquer un équipement selon ce NEC;
- Ce numéro d'enregistrement demeure valide tant et aussi longtemps que les paramètres de conception demeurent inchangés. Dans le cas d'accessoires, l'enregistrement est valide pour une durée de 10 ans à partir de la date d'enregistrement. Les documents de conception doivent alors être resoumis pour validation;
- Le fabricant doit nous transmettre une copie de la *Déclaration de conformité du constructeur (Manufacturer's Data Report)* pour chaque appareil ou chaudière fabriqué selon ce NEC dans les 30 jours suivant la signature de cette déclaration;
- Le numéro de dessin enregistré et le numéro de révision doivent être indiqués sur la déclaration de conformité pour les équipements fabriqués selon ce NEC.

Le présent avis d'approbation ne dégage pas le fabricant de ses responsabilités quant à la conception ou à la construction des équipements ou d'accessoires fabriqués selon un NEC.

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

545, boul. Crémazie Est, 7ième étage Montréal (Québec) H2M 2V2 Téléphone : 514 873-6459 Sans frais : 1 866 262-2084

www.rbq.gouv.qc.ca



Montréal, le 9 mars 2023.

MRS. CECYLIA GARBACZ
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ONTARIO
CANADA M9W 6N9

Manufacturer: ENDRESS + HAUSER CONDUCTA INC

4123 EAST LA PALME AVE. S 200

ANAHEIM CA USA 92807

OUR REFERENCE: 946508

Design number: Scope of registration 10 oct 2022

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0F15714.56.**

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each equipment manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

www.rbq.gouv.qc.ca



Statutory Declaration Registration of Fittings

Building Act (B-1.1) Regulation respecting pressure vessels (B-1.1, r. 6.1) Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

2.1 Design

List the fittings included in this declaration and that you wish to register.

Nº	Description	Additional information (detail, calculations or approval sheets)
1	SENSORS	
2	SCOPE OF CRN, REPORTS	Coduces discuss (71)
3	DRAWINGS	Endress+Hauser 4311
4	CALCULATIONS	
5	COMPANY LOGO - SEE RIGHT	

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

I, the	undersigned,	Leonard Ambrosini	General Manager						
,	J ,	(Name of the person in charge)	(Title of the person in charge)						
from	Endress+Ha	user Conducta Inc , located at	See Attached Worldwide Locations Appendix						
		ny's name)	(Plant's address)						
hereb	nereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:								
100	comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose or ASME B31.1, ASME B31.3								
☐ are	e not covered by	the ANSI/ASME codes, but are in compliance	ce with						
	i.		(Name of code or standard)						
code	or standard and a	are designed according to the best current e	ngineering practice, as proven by the enclosed approval report.						
2.2 M	anufacturing qu	uality control							
I furth	er declare that th	e manufacture of these fittings is controlled t	by a quality control program that complies with the requirements of the						
follow	ing code:ISC) 9001:2015 , and has been verified by	SQS						
	(Name of code) (Authorized agency)								
Signat	gnature of the person in charge: Date (yyyy-mm-dd): 2022-09-20								

3. Declaration of commissioner for oaths

, on
cation) (Date (yyyy-mm-dd)):
Date (yyyy-mm-dd):

4. Registration confirmation (for RBQ's use only)

accepted for registration in the class	of registration indicated above, and it must be validated again after this period.
Canadian registration number (CRN):	Registration date (yyyy-mm-dd): OF15714.56 Régie du bâtiment Québec Régie par la RBQ

Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- · Detailed calculations or burst test report (1 copy)
- · Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

Sending the form

This declaration is necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.

4123 LA PALMA AVE. ANAHEIM, CA 92807, USA



10-Oct-22

Québec 🕶 🌣



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SCOPE OF CRN REGISTRATION

Туре	Shaft Material	Shaft Sealing	Order code Memosens 1.0	Order code Memosens 2.0	Max. Temperature	Max. Pressure (abs.)	Applicable TI document
	glass tube lead-free:		CPS11D-******+*	CPS11E-*****+*	+135 °C / 275 °F	13.8 bar / 200 psi abs.	TI01493C
A	outside diameter: 11.90 mm +/-0.10	potting	CPS12D-*****+*	CPS12E-*****+*	+135 °C / 275 °F	13.8 bar / 200 psi abs.	TI01494C
	thickness: 1.40 mm +/-0.04		CPS16D-*****+*	CPS16E-*****+*	+135 °C / 275 °F	17 bar / 246 psi abs.	TI01600C
				CPS61E-***TU*+*	+130 °C / 266 °F	7 bar / 101.5 psi abs.	TI01566C
				CPS62E-*****+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01604C
1	glass tube lead-free:	potting	CPS71D-*TB/TC/TU**+*	CPS71E-***TB/TC/TU*+	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01496C
1	outside diameter: 11.90 mm +/-0.10 thickness: 1.0	potting	CPS76D-*BB/BU**+*	CPS76E-***TB/TU*+*	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01601C
			CPS72D-****+*	CPS72E-*****+*	+135 °C / 275 °F	14 bar / 203 psi abs.	TI01576C
			CPS31D-*****+*	CPS31E-******+*	+80 °C / 176 °F	4 bar / 60 psi abs.	TI01574C
			CPS91D-****+*	CPS91E-*****+*	+110 °C / 230 °F	10 bar / 145 psi abs.	TI01497C
			CPS92D-****+*	CPS92E-*****+*	+110 °C / 230 °F	8.6 bar / 125 psi abs.	TI01577C
			CPS96D-****+*	CPS96E-*****+*	+110 °C / 230 °F	14 bar / 203 psi abs.	TI01602C
	glass tube lead-free:		CPS41D-*****+*	CPS41E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01495C
1	outside diameter: 11.90 mm +/-0.10 thickness: 1.0	glass melt	CPS42D-*****+*	CPS42E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01575C
	unickness. 1.0		CPS71D-*TP**+*	CPS71E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01496C
			CPS171D-***NTP*+*	CPS61E-***TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01566C
			CPS76D-*BP**+*	CPS76E-****TP*+*	+135 °C / 275 °F	7 bar / 101.5 psi abs.	TI01601C
	MDD0 50.40			CPF81E-*****+*	+110 °C/ 230 °F	11 bar / 160 psi abs.	TI01594C
D	MPPS-FG40	potting		CPF82E-*****+*	+ 80 °C/ 176 °F	10.3 bar / 150 psi abs.	

10-Oct-22

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SCOPE OF CRN REGISTRATION CONTINUED

E	PEEK	potting	 CPS47E-*****+*	+100 °C / 212 °F	11 bar / 160 psi abs.	TI01616C
				+135 °C / 275 °F	4 bar / 58 psi abs.	
			 CPS77E-*****+*	+135 °C / 275 °F	11 bar / 160 psi abs.	TI01617C
			 CPS97E-*****+*	+110 °C/ 230 °F	11 bar / 160 psi abs.	TI01618C

Note 1) This CRN Registration covers various CPS and CPF sensors. During the lifecycle of this product it may be necessary to update the sensor electronics that have no effect on the pressure retaining ability of the sensor. When this occurs the \underline{E} in the product code will change to \underline{F} which is the next letter in the alphabet. This process of updating the sensor electronics may occur multiple times during the lifecycle of this product and therefore as long as the pressure retaining components of the sensor do not change the applicable letter in the above product code has no effect on the validity of the CRN.

Note 2) 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 unlisted material.

Note 3) See Attached List of Endress+Hauser Manufacturing locations applicable to this CRN.



WORLDWIDE LOCATIONS APPENDIX – PAGE 1 OF 1

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

(rev. June 17, 2020)

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.

No. 31 JiangTianLiLu Suzhou Industrial Park 215126 People's Republic of China ISO 9001 Certified by SQS