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Suite 600 - 2889 East 12th Avenue

Vancouver, BC V5M 4T5 Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

ATTN: SCOTT ISLIP

ROUND ENGINEERING INC.

10 SEGWUN ROAD

WATERDOWN ON L8B 0K6

Date: 14-Dec-2023

TSBC Account #: 062478
TSBC Admin Number: 103308

Canadian Registration Number: 0F24854.521

Re: Application for Design Registration

The design, as detailed in your Design Portal application R-1823 Endress Hauser for a Pressure Fitting is registered with the following notes and considerations:

Registered To: Endress+Hauser SE+Co. KG **Project Name:** R-1823 Endress Hauser

Drawing #: DIAPHRAGM SEALS Scope of CRN Registration & Worldwide locations appendix

Drawing Revision: N/A

Conditions of Registration:

(1)Fitting Registration Expiry Date: 30-Oct-2028 (2) The 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 quality management system lapse before the expiry date indicated above, this registration shall become void.

Reviewer's Notes:

Any additional conditions and considerations from the initial province of registration shall apply to this BC registration.

Full details of this submission including the scope of registration, design conditions, fabrication details, and calculations pertaining to this design are located in the above Admin Number on the Design Portal. For all other enquiries, please contact eim@technicalsafetybc.ca.

The Engineering Information Management Team



9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4 Tel: (780) 437-9100 / Fax: (780) 437-7787

November 02, 2023

Attention: Scott Islip

ROUND ENGINEERING INC

10 SEGWUN ROAD

WATERDOWN, ON L8B 0K6

The design submission, Tracking Number 2023-06457, Web Portal Number 2023-S4294, originally received on October 20, 2023 was surveyed and accepted for registration as follows:

CRN: 0F24854.52 **Accepted on:** November 02, 2023

Reg Type: NEW DESIGN Expiry Date: October 30, 2028

Drawing No.: Design Report R-1823 Rev 0

Fitting type: Assembly

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

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 B31.1 and ASME B31.3.

- 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 3388 or fax (780) 437-7787 or e-mail Liu@absa.ca.

Sincerely,

LIU, XING, P. Eng. DOP Cert. No. D00008861

ngluu

2023-06457 Page 1 of 1



Tracking #:_



Page 1 of 3

In this space, show facsimile of

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

l.	Christopher Proios	,	Division Manager	Quality Managen	nent	manufacturer's logo or trademark as it will appear on the fitting.
1.1	(name of applicant)		(position title) (must	be in a position of	authority)	
of	Endress+Hauser SE					Endress+Hauser 🛂
			of manufacturer)			People for Process Automation
locate	d at Hauptstrasse 1,			cations"		
	lemnly declare that the t only one)	"	ant address) hereunder, which	are subject to t	he Safety Co	odes Act
\boxtimes	comply with the requ	_	ASME B31.1, ASM			ecifies the dimensions,
			interest of the second			
	materials of constru	cuon, pressur	ertemperature ratir	igs and identific	auon markir	ig or the littings, or
	are not covered by the	ne provisions	of a recognized No	rth American st	andard and	are therefore
	manufactured to con					pported by the
		(title of	code of construction or	other applicable d	ocument)	
	attached data which	identifies the	dimensions, mater	ials of construc	tion, pressur	e/temperature ratings
	and the basis for suc	h ratings and	the identification i	marking of the f	ittinas	2
	and the basis for each	arramigo, arra		ilanding of the	90	
verifie stand which Quali	d as described in the lard, regulation, code, of large	below Table a guideline or of as provided on and Manu	is being suitable fo ther applicable doc in the Supplementa afacturing Sites	r the manufactuument. The fitti ary Sheet(s) att	uring of these ngs covered ached.	
A cop	y of the Quality Certific	cate from eac	n manufacturing si	te must be incit	iaea	
ltem #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organizat	Location(s) Plant Name and address
1.	Diaphragm Seal Devices	ISO 9001:2015	SEE QA CERT	04-03-2025	sqs	See attached Worldwide Locations Appendix
2.						





In support of this application, the following information, calculations and/or test data are attached: SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS DECLARED before me at _____ in the _____ of (province, territory, or state) (Month) (a Commissioner of Oaths or Notary Public) (a Commissioner of Oaths or Notary Public) (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 CRN: **ABSA** SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0F24854, 52 See acceptance letter for Registered Date: conditions of registration. Date: 2023-11-02 By: Amglini 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 Flectronic Transactions Act Signature: (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

ENDRESS+HAUSER SE+Co. KG

HAUPTSTRASSE 1 79689 MAULBURG GERMANY

Doc. No.:	
961007057	

Endress + Hauser

ABSA
SAFETY CODES ACT - PROMINCE OF ALBERTIA
ACCEPTED: OF 24854. 52
See acceptance letter for conditions of registration.
Date: 2023-11-02
By:

XING LIU, P. Eng.
Dor. D00000851
This stamp and signature have been afflixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Silvetone Compensions of the section 20(1).

Page 1 of 7

August 2, 2023

People for Process Automation

SCOPE OF CRN REGISTRATION

Product Description: Metallic Pressure Device Diaphragm Seals

Main Drawing(s): Drawing 961007152 Rev. A, 961007153 Rev. A, 961007154 Rev. A, 961007155 Rev. A

Code of Construction: ASME B31.1, ASME B31.3, ASME B40.100

Design Report: R-1823 Revision 0

PRODUCT DESCRIPTION

The Metallic Pressure Device Diaphragm Seals are composed of various individual components that are assembled together.

The Pressure-Temperature rating of any configured Metallic Pressure Device Diaphragm Seal assembly is limited by the lowest Pressure-Temperature rating of any component used in the assembly. In all cases individual components shall have their own individual CRN.

Other components as manufactured by E+H or any other manufacturer may be substituted for a component listed below as long as that component has its own valid CRN.

Product	DELTABAR (O)PMD55(B), (O)PMD63(B), (O)PMD75(B), (O)PMD78(B), (O)FMD77(B),						
Model(s)	(O)FMD78(B) option "O" means OEM version; option B means different electronic and housing						
	versions outside of the process, i.e. not pressurized						
Existing E+H CRN(s)	0F20813.5C						
Standard	Body: Cast Stainless Steel Type 316L ASTM A351-CF3M UNS J92800, Type 316L UNS S31603.						
Materials of	Bolting: ASTM A193-B8-2.						
Construction:	(Note 2)						
	Process Connection	MAWP (Barg)					
	Size and Type	at MAWT (°C)	MDMT	Туре			
	1/4-18 NPT,	262 barg at 120°C	-60°C	(O)PMD55(B),			
	Filling Port,			(O)PMD63(B),			
	to accept Capillary Diaphragm Seal,			(O)PMD75(B),			
Sockets	to accept Mounted Diaphragm Seal,			(O)PMD78(B),			
Proce	ess Connection Oval Blind Flange,			(O)FMD77(B),			
Manifo	old Valve Bolt-On (IEC and others)			(O)FMD78(B)			
				Without Side			
				Airvents			
	1/4-18 NPT,	179.26 barg at 120°C	-60°C	(O)PMD55(B),			
	1/4-18 NPT with Airvent,			(O)PMD63(B),			
	M12 with Vent Filter,			(O)PMD75(B),			
Proce	ess Connection Oval Blind Flange,			(O)PMD78(B),			
Manifo	old Valve Bolt-On (IEC and others),			(O)FMD77(B),			
	Filling Port,			(O)FMD78(B)			
Sockets	to accept Capillary Diaphragm Seal,			With Side			
Sockets	to accept Mounted Diaphragm Seal			Airvents			
	1/4-18 NPT,	124.11 barg at 120°C	-60°C	(O)PMD55(B),			
	1/4-18 NPT with Airvent,			(O)PMD63(B),			
	Filling Port,			(O)PMD75(B),			
	M12 with Vent Filter,			(O)PMD78(B),			
	to accept Capillary Diaphragm Seal,			(O)FMD77(B),			
	to accept Mounted Diaphragm Seal,			(O)FMD78(B)			
	ess Connection Oval Blind Flange,			With Copper			
Manifo	old Valve Bolt-On (IEC and others)			sealing			

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Product Model(s)	Cerabar PMP43, PMP43B, PMP50, PMP50B, PMP51, PMP51B, PMP53, PMP53B, PMP63, PMP63B, PMP71, PMP71B, PMP73, PMP73B, OPMP43, OPMP43B, OPMP50, OPMP50B, OPMP51, OPMP51B, OPMP53, OPMP53B, OPMP63, OPMP63B; OPMP71, OPMP71B, OPMP73, OPMP73B; Deltabar FMD72, PMD72B, OFMD72, OPMD72B, PMP55, OPMP55, PMP75, OPMP75					
Existing E+H CRN(s)	0F22502.5C					
Standard	Body: UNS S31603 ASTM A479 (316L,1.4404	4,1.4435), UNS N10276 ASTM E	574 (C276	,2.4819)		
Materials of	Flanges: UNS S31600 ASTM A240 (316,1.44	01), UNS N10276 ASTM B575 (C276,2.48 ²	19)		
Construction:	(Note 2)					
	Process Connection	MAWP (Barg)				
	Size and Type	at MAWT (°C)	MDMT	Туре		
	Olvorlage HD400 Sockets to accept	400 barg at 150°C	-60°C	(O)PMP50(B), (O)PMP51(B),		
	capillary and mounted			(O)PMP71(B),		
	diaphragm seals			(O)PMP55,		
	ulapriragiti seais			(O)PMP75		
	Olvorlage HD100	100/40 barg at 150°C	-60°C	(O)PMP50(B),		
	Sockets to accept	(Note 3)		(O)PMP51(B),		
	capillary and mounted			(O)PMP53(B),		
	diaphragm seals			(O)PMP63(B),		
	· ·			(O)PMP71(B),		
	Olvorlage ND	10 barg at 150°C	-60°C	(O)PMP73(B),		
	Sockets to accept			(O)FMD72(B),		
	capillary and mounted			(O)PMD72(B),		
	diaphragm seals			(O)PMP55,		
	•			(O)PMP75		

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Product Model(s)	Diaphragm Seal Accessories
Existing E+H CRN(s)	0F24266.5C
Standard	Accessory Body: UNS S31603 ASTM A479 (316L,1.4404,1.4435)
Materials of	Capillary: Steel Grade X6CrNiMoTi17-12-2 (cold fin.) (1.4571) meeting the requirements
Construction:	of DIN EN 10216-5
	(Note 2)

Accessories (Middle Parts with Ball and Screw Filling Port) used on Deltabar Sensors:					
Drawing 961002505 Rev. A					
	MAWP (Barg)				
Description	at MAWT (°C)	MDMT			
Temperature Isolator	160 barg at 400°C	-70°C			
Capillary Pipe	400/160 barg at 400°C				
Capillary Adapter	400/160 barg at 400°C				
- Sensor Side					
Capillary Adapter	400/160 barg at 400°C				
- Diaphragm Side					
Thermo Expander	160 barg at 400°C				
Welding	Dependent on				
	pressure rating of				
	item being welded				

Accessories (Middle Parts with Ball and Screw Filling Port) used on Cerabar Sensors: Drawing 961002508 Rev. A			
Description	MAWP (Barg) at MAWT (°C)	MDMT	
Temperature Isolator	400 barg at 400°C	-70°C	
Capillary Pipe	400 barg at 400°C		
Capillary Adapter	400 barg at 400°C		
- Sensor Side			
Capillary Adapter	400 barg at 400°C		
- Diaphragm Side			
Thermo Expander	160 barg at 400°C		
Welding	Dependent on		
	pressure rating of		
	item being welded		

Accessories (Middle Parts with Pin and \	_ · · · · · · · · · · · · · · · · · · ·	Sensors:		
Drawing 96	Drawing 961006043 Rev. A			
Description	MAWP (Barg) at MAWT (°C)	MDMT		
Temperature Isolator	160 barg at 400°C	-70°C		
Capillary Pipe	400/160 barg at 400°C			
Capillary Adapter	400/160 barg at 400°C			
- Sensor Side				
Capillary Adapter	400/160 barg at 400°C			
- Diaphragm Side				
Thermo Expander	160 barg at 400°C			
Welding	Dependent on			
	pressure rating of			
	item being welded			

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Accessories (Middle Parts with Pin and Weld Filling Port) used on Cerabar Sensors: Drawing 961006040 Rev. A					
Description	MAWP (Barg) at MAWT (°C)	MDMT			
Temperature Isolator	400/160/40 barg at 400°C	-70°C			
Capillary Pipe	400 barg at 400°C				
Capillary Adapter - Sensor Side	400 barg at 400°C				
Capillary Adapter - Diaphragm Side	400 barg at 400°C				
Thermo Expander	160 barg at 400°C				
Welding	Dependent on pressure rating of item being welded				

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Doc. No.: 961007057

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Product Model(s)	Diaphragm Seals					
Existing E+H CRN(s)	0F23969.513467890YTN, 0F22938.2					
Standard	Body/Process Connections: UNS S31603 ASTM A479 (316L,1.4404,1.4435)					
Materials of	ASME B16.5 Flanged Connection: UNS S31600/S31603, ASTM A182 (F316/F316L,					
Construction:	1.4401/1.4404)					
	(Note 2)					
	Process Connection	MAWP (Barg)				
	Size and Type	at MAWT (°C)	MDMT	Type		
	ASME B16.5 Wafer (Sandwich) ASME B16.5 CL 2500 -70°C Cell					
	Sizes NPS 1", 1-1/4", 1-1/2",	Table A-2 Rating				
	2", 2-1/2", 3", 3-1/2", 4"	Ceiling Pressures				
Α	SME CL150, CL300, CL400,	(Note 5)				
CL	.600, CL900, CL1500, CL2500					
	Thread MNPT 1/2"	160 barg at 400°C	-70°C	Separator		
				Welded		
Universal Adapter 44mm 10 barg at 260°C -70°C Univ				Universal		
			Adapter			
	40 barg at 260°C	-70°C	Varivent			
		(Note 4)				
	1", 1-1/2", 2", 2-1/2", 3"	70 barg at 260°C	-70°C	ASME BPE		
	ASME BPE	(Note 4)		Clamp Ferrule		
	Clamp Ferrule					
	ASME B16.5 Blind Flange	ASME B16.5 CL 2500	-70°C	ASME B16.5		
	izes NPS 1", 1-1/2", 2", 3", 4"	Table 2-2.2, II-2-2.2		Flange		
	ASME CL150, CL300, CL400,	Pressure Ratings.				
CL	.600, CL900, CL1500, CL2500	In all cases limited				
	(Note 10) to 400°C / 752°F					
		Maximum Temperature				
	Thread MNPT 1", 1-1/2", 2"	400 barg at 400°C	-70°C	Thread ANSI		
	Sanitary Tank Spud 4"	40 barg at 150°C	-70°C	Sanitary Tank		
	(Note 4) Spud 4"					
N	Neumo Biocontrol DN50, DN80 16 barg at 200°C -70°C Neumo					
				Biocontrol		

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Product Model(s)	Diaphragm Seals				
Existing E+H CRN(s)	0F23993.513467890YTN, 0F22751.2				
Standard	Body/Process Connections: UNS S31603 ASTM A479 (316L,1.4404,1.4435)				
Materials of	ASME B16.5 Flanged Connection: UNS S31600/S31603, ASTM A182 (F316/F316L,				
Construction:	1.4401/1.4404)				
	(Note 2)				
	Process Connection MAWP (Barg)				
	Size and Type at MAWT (°C) MDMT Type				
	Thread MNPT 1/2",	100 barg at 250°C,	-70°C	Separator	
	Thread FNPT 1/2",	91 barg at 400°C		Bolted	
	Thread FNPT 1"				
	100 barg at 250°C,	-70°C	Separator		
Thread FNPT 1/2",		91 barg at 400°C		Bolted	
	Thread FNPT 1"	_		with Flushing	
				Connections	

Product Model(s)	Diaphragm Seals				
Existing E+H CRN(s)	0F23993.513467890YTN				
Size and Type			at MAWT (°C)	MDMT	Type
ASME B16.5 Flanged 1/2", 3/4", 1", 1-1/2",		CL150	ASME B16.5 CL 150	-70°C	ASME B16.5
2", 2-1/2" through 12"			Table 2-2.2, II-2-2.2		Flanged
			Pressure Ratings		Separator
ASME B16.5 F	langed 1/2", 3/4", 1", 1-1/2",	CL300	ASME B16.5 CL 300		Bolted
2",	2-1/2" through 12"		Table 2-2.2, II-2-2.2		
			Pressure Ratings		
ASME B16.5 F	langed 1/2", 3/4", 1", 1-1/2",	CL600	ASME B16.5 CL 600		
2",	2-1/2" through 12"		Table 2-2.2, II-2-2.2		
			Pressure Ratings		
ASME B16	.5 Flanged 3" through 12"	CL900	ASME B16.5 CL 900		
			Table 2-2.2, II-2-2.2		
			Pressure Ratings		
			in all cases limited to a		
			MAWP of 100 barg.		
ASME B	16.5 Flanged 1/2", 3/4",	CL1500	100 barg at 400°C		
2-	1/2" through 12"		_		
ASME B16.5	Flanged 2-1/2" through 12"	CL2500	100 barg at 400°C		

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Doc. No.: 961007057

People for Process Automation

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- **Note 1**: MAWP = Maximum Allowable Working Pressure, MAWT = Maximum Allowable Working Temperature, MDMT = Minimum Design Metal Temperature.
- **Note 2:** The individual component CRN documentation lists additional alloys of superior or equivalent properties that are also included in the scope of CRN registration.
- **Note 3**: 100 barg is the maximum design pressure which may be limited by the process connection type. In addition some sensors may be factory limited to 40 barg due to reading accuracy.
- **Note 4:** The ASME BPE Clamp Ferrule, Varivent and Sanitary Tank Spud 4" connections shall be used with a clamp designed for use with the applicable ASME BPE fitting (process connections), however the assembly clamp is not part of this CRN. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. The clamp used to complete the joint shall have its own CRN.
- **Note 5:** The Cell type diaphragm seal is to be installed between an ASME B16.5 flange and blind flange. In all cases the pressure-temperature ratings of the diaphragm seal is limited by the pressure-temperature ratings of the ASME B16.5 flanges it is installed between.
- **Note 6:** 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 non listed material.
- **Note 7:** In all cases the maximum allowable working pressure and temperature may be limited by seal materials or other considerations. Consult Endress+ Hauser literature.
- **Note 8:** For low temperature operation the products shall conform to the rules of the applicable codes under which they are used.
- **Note 9:** Metallic Pressure Device Diaphragm Seals shall be pressure tested as part of the assembled piping in accordance with ASME B31.3 para. 345.2.3 and ASME B31.1 para. 137.4.6.
- Note 10: Flange sizes NPS 1" through 12" accepted under 0F23969.513467890YTN.
- **Note 11:** See attached Drawings 961007152 Rev. A, 961007153 Rev. A, 961007154 Rev. A and 961007155 Rev. A applicable to this CRN.
- Note 12: See Attached List of Endress+Hauser SE+Co. KG manufacturing locations applicable to this CRN.



WORLDWIDE LOCATIONS APPENDIX

ENDRESS+HAUSER SE+Co. KG MANUFACTURING LOCATIONS & CERTIFYING AUTHORITIES

(rev. 22/Jan/2020)

Endress+Hauser SE+Co. KG

Hauptstrasse 1 79689 Maulburg, Germany ISO 9001 Certified by SQS

Endress+Hauser (Suzhou) Automation Instrumentation Co. Ltd.

China – Singapore Industrial Park (SIP) Su Hong Zhong Lu No. 491 Jiangsu Province, 215021 Suzhou, P.R. China ISO 9001 Certified by SQS

Endress+Hauser (India) Automation Instrumentation Pvt. Ltd.

M-192, Waluj MIDC Aurangabad – 431136, Maharashtra State, India ISO 9001 Certified by SQS

Endress+Hauser Yamanashi Co., Ltd.

862-1 Mitsukunugi Sakaigawa-cho Fuefuki-shi 406 0846 Yamanashi, Japan **ISO 9001 Certified by SQS**

Endress+Hauser (USA)

Automation Instrumentation Inc.

2340 Endress Place Greenwood, Indiana 46143, USA ISO 9001 Certified by SQS

Endress+Hauser (Brazil)

Instrumentação e Automação Ltda.

Estrada Municipal Antonio Sesti 600 Bairro Recreio Costa Verde Itatiba/SP – 13254-085, Brazil **ISO 9001 Certified by SQS**

Endress+Hauser SE+Co. KG

Queremathe 2 14532 Stahnsdorf Germany ISO 9001 Certified by SQS



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

REGISTRATION OF A PRESSURE FITTING DESIGN

11-Dec-23

Round Engineering Inc. 10 Segwun Rd. Waterdown, Ontario L8B 0K6

Attention: Scott Islip File Number: 13910 [0 F]

Re: Manufacturer: Endress+Hauser SE+Co. KG

Item: Metallic Pressure Device Diaphragm Seals

Catalog or Drawing: Design Report R-1823 Rev. 0

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:

OF24854.53 Expiry Date: October 30, 2028

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,

Williams Uju, P.Eng.

Codes and Standards Compliance

Remarks:

CRN registered conditional upon compliance with the notes on the original registration.



Codes & Standards Compliance Office

2202 2nd Avenue Regina, SK S4R 1K3 PH: (306)798-7111 Toll Free: (866)530-8599

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

Statutory Declaration (Registration of Fittings)

TSK-1008

		13K-100
I. Declaration Information	William P. Co., London, V.	
, Christopher Proios		In this space, show facsimile of
Division Manager Quality Managen	nent	manufacturer's logo or trademark as it will appear on the fitting
(company title, e.g. vice president, plant in (must be in a position of authority in the manufacturing	manager, chief engineer) g plant where the fitting is produced)	Endress+Hauser 4
Endress+Hauser SE + Co KG		People for Process Automation
(name of manufa	,	
Plant Address - Apt/Street)	ulburg, Germany, see "Worldw (City, Prov)	(Postal Code)
o solemnly declare that the fittings listed herein essel Act (check one)	10	, , , , , , , , , , , , , , , , , , , ,
Ocmply with the requirements of ASME	B31.1, ASME B31.3 which :	specifies the dimensions,
(title of Materials of construction, pressure / tem	recognized North American Standard)	
Are not covered by the provisions of a re	ecognized North American standard a	and are therefore manufactured
to comply with		as supported by the attached
data which identifies the dimensions, ma	aterials of construction, pressure / ter	nperature ratings and the basis
for such ratings, and the marking of the f		
further declare that the manufacturer of these		ol program which has been
erified by the following authority, SQS ISO 9	001: 2015as beir	ng suitable for the manufacturer
f these fittings to the stated standard. The fittir	ngs covered by this declaration, for wi	hich I seek registration, are
CATEGORY F - DIAPHRAGM SEAL	DEVICES	
n support of this application, the following inform	mation, calculations and / or test data	are attached:
	nation, calculations and 7 of test data	are attached.
SOR Summary 960015837 Rev. A		
. Declaration		
ECLARED before me at	In the	of
nis day of	12	
	. 17. (
(print name)	(Signature)	
<u> </u>		
(Signature of Commissioner of Oaths)		
I. Office Use Only	1 4 4	
o the best of my knowledge and belief, the applicati		and Pressure Vessel Act and CSA
51, Clause 4.2, and is accepted for registration in C	ategory	
Technical Safety Authority	(Date Registered – MM DD YYYY)	(Expiry Date – MM DD YYYY)
of Saskatchewan	(For the Chief Inspector)	
Registration No0F24854.53		
File No. 13910		TSK-1
Registered Date: Dec 11, 2023		Rev. 11/2 Page 1
		rage i
Expiry Date: October 30, 2028		



December 16, 2023

Round Engineering Inc. 10 Segwun Road Waterdown, , ON L8B 0K6

Dear Scott Islip,

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-R3689 CRN: 0F24854.54

Scope: DIAPHRAGM SEALS – Scope of CRN Registration & Worldwide locations

appendix

Manufacturer: ENDRESS+HAUSER SE+Co. KG

Expiry Date: 30 October 2028

Along with this letter is the invoice for registration.

In addition, every Pressure Vessel, Boiler, and Heat Exchanger 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 and Immigration 508 – 401 York Avenue, Winnipeg, MB R3C 0P8 **T** (204) 945-3373 | **F** (204) 948-2089



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

www.tssa.org

October 13, 2023

ROUND ENGINEERING INC 10 SEGWUN RD WATERDOWN ON L8B 0K6

Workorder Type: Registration - Fitting(Conventional)

Workorder No: 14082811 Your Reference No.: R-1823

Registered to: ENDRESS+HAUSER SE+Co. KG

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: 0F24854.5

Main Design No.: DIAPHRAGM SEALS - Scope of CRN Registration & Worldwide locations appendix

Expiry Date: Oct 30, 2028

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 (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,

Mehdi Talebi Engineer, BPV

Tel.: +1 416-734-3413 Email: mtalebi@tssa.org



Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9 www.tssa.org 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 DECLAR Registration of Fittings					
I, Christopher Proios, Division Manager Quality Management					
(Name and Position, e.g. President, Plant Manager, Chief E	-ngineer)				
of Endress+Hauser SE + Co KG (Name of Manufacturer)					
Located at see attached worldwide locations appendix (Plant Address)	(Telephone No.) (Fax No.)				
	# 19800000000				
do solemnly declare that the fittings listed hereunder, which are subject to the <i>Technical Standards and Safety Act</i> , Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.1, ASME B31.3					
(Title of recognized North American Standard)					
which specifies the dimensions, materials of construction, pressure/temperature rating	s, 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				
	dentifies the dimensions, material of construction,				
pressure/temperature ratings and the basis for such ratings, the marking of the fit	uing for identification and service.				
I further declare that the manufacture of these fittings is controlled by a quality system m	neeting the requirements of ISO 9001:2015				
which has been verified by the following authority, SQS	6-15				
The items covered by this declaration, for which I seek registration, are category F-Diaphragr	m Seal Devices type fittings. In support of				
this application, the following information and/or test data are attached as follows: SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS					
(drawings, calculations, test reports, etc.)					
Declared before me at in the	of				
the day of AD 20					
the day orAD zo					
Commissioner for Oaths:					
(Printed name)					
	V. (
(Signature)	(Signature of Declarer)				
FOR OFFICE USE ONLY	Technical Boilers and				
To the best of my knowledge and belief, the application meets the requirements of the	Standards Pressure Vessels				
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and	and Safety Safety Program Authority				
CSA Standard B51 and is accepted for registration in Category	Audionty				
CRN: 0F24854.5 This Document has been digitally signed	REGISTERED				
	ILLOISTERED				
	I				
T S S A and approved.	C.R.N.: 0F24854.5				
Registered by: T S S A The stamp size has					
Registered by: T S S A The stamp size has	C.R.N.: 0F24854.5 Signed: MT				

^{*}Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. See attachments for scope of registration.
PV 09553 (04/17)



WORLDWIDE LOCATIONS APPENDIX

ENDRESS+HAUSER SE+Co. KG MANUFACTURING LOCATIONS & CERTIFYING AUTHORITIES

(rev. 22/Jan/2020)

Endress+Hauser SE+Co. KG Hauptstrasse 1 79689 Maulburg, Germany ISO 9001 Certified by SOS

Endress+Hauser (Suzhou) Automation Instrumentation Co. Ltd.

China – Singapore Industrial Park (SIP) Su Hong Zhong Lu No. 491 Jiangsu Province, 215021 Suzhou, P.R. China ISO 9001 Certified by SQS

Endress+Hauser (India) Automation Instrumentation Pvt. Ltd.

M-192, Waluj MIDC Aurangabad – 431136, Maharashtra State, India ISO 9001 Certified by SQS

Endress+Hauser Yamanashi Co., Ltd.

862-1 Mitsukunugi Sakaigawa-cho Fuefuki-shi 406 0846 Yamanashi, Japan ISO 9001 Certified by SQS

Endress+Hauser (USA) Automation Instrumentation Inc. 2340 Endress Place Greenwood, Indiana 46143, USA ISO 9001 Certified by SQS

Endress+Hauser (Brazil)
Instrumentação e Automação Ltda.
Estrada Municipal Antonio Sesti
600 Bairro Recreio Costa Verde
Itatiba/SP - 13254-085, Brazil
ISO 9001 Certified by SQS

Endress+Hauser SE+Co. KG Queremathe 2 14532 Stahnsdorf Germany ISO 9001 Certified by SQS

THIS IS PART OF CRN 0F24854.5

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program



Direction des équipements sous pression

Montréal, le 9 janvier 2024.

SCOTT ISLIP
ROUND ENGINEERING
10 SEGWUN RD
WATERDOWN ONTARIO
CANADA L8B OK6

Manufacturer: ENDRESS + HAUSER CANADA GMBH + CO. KG

HAUPTSTRASSE 1 MAULBURG GERMANY

DE-79689

OUR REFERENCE: 944904

Design number: Scope of registration #961007057 -Dated 02-08-2023

Design Report R-1823 Rev.0

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): **0F24854.56**.

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 boiler or pressure vessel 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



Direction des équipements sous pression

Montréal, 9 janvier 2024.

SCOTT ISLIP **ROUND ENGINEERING** 10 SEGWUN RD WATERDOWN ONTARIO CANADA L8B OK6

Fabricant: ENDRESS + HAUSER CANADA GMBH + CO. KG

HAUPTSTRASSE 1 MAULBURG GERMANY

DE-79689

Numéro de dossier : 944904

Numéro(s) de dessin(s): Scope of registration #961007057 -Date 02-08-2023

Design Report R-1823 Rev.0

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: 0F24854.56.

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.

Salutations distinguées,

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

Montréal

255, boul. Crémazie Est, 2ième étage Montréal (Québec) H2M 1L5 Téléphone: 514 873-2546 Sans frais: 1 866 262-2084

enregistrementdesplans@rbq.gouv.qc.ca

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

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

Nº	Description	Additional information (detail, calculations or approval sheets)
1	DIAPHRAGM SEAL DEVICES	
2	SCOPE OF CRN, REPORTS	Endross Housey
3	DRAWINGS	Endress+Hauser 🖽
4	CALCULATIONS	7
5	COMPANY LOGO	

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,	Christopher Proios	Division Manager Quality Management		
n and andereighted,	(Name of the person in charge)	(Title of the person in charge)		
from Endress+Haus	ser SE+Co. KG , located at	see attached worldwide locations appendix		
(Company)		(Plant's address)		
hereby declare that the al	pove-mentioned fittings and subject to	the Regulation respecting pressure installations:		
or ASME B31.1, AS ☐ are not covered by the	NIE DS 1.3 ANSI/ASME codes, but are in complia			
		(Name of code or standard) engineering practice, as proven by the enclosed approval report.		
	designed according to the best current	(Name of code or standard)		
code or standard and are 2.2 Manufacturing quali I further declare that the model of the following code: ISO 9	ty control nanufacture of these fittings is controlled 001:2015 , and has been verified	(Name of code or standard) engineering practice, as proven by the enclosed approval report. d by a quality control program that complies with the requirements of the SQS		
code or standard and are 2.2 Manufacturing quali I further declare that the more following code: ISO 9	designed according to the best current ty control nanufacture of these fittings is controlled	(Name of code or standard) engineering practice, as proven by the enclosed approval report. d by a quality control program that complies with the requirements of the		
code or standard and are 2.2 Manufacturing quali I further declare that the model of the following code: ISO 9	ty control nanufacture of these fittings is controlled 001:2015 of code) , and has been verified	(Name of code or standard) engineering practice, as proven by the enclosed approval report. d by a quality control program that complies with the requirements of the SQS		

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

As far as I know, this application complies with the requirements o accepted for registration in the class	f the Act and with standard CSA B51, Part 1, section 4.2, and is
This registration expires in ten (10) years after the date of registrat	ion indicated above, and it must be validated again after this period.
Canadian registration number (CRN): Little gistré au Québe	Registration date (yyyy-mm-dd):
Régie du bâtiment Québec 💠 🌣	
Perue 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@rbg.gouv.qc.ca.

Documents must be in PDF format and in separate files.

(2020-02) A Régle du bâtiment du Québec Page 2 de 2

New Brunswick X Nova Scotia X Prince Edward Island X Nunavut X Yukon X Northwest Territories X	
Manufacturers Name: ENDRESS+HAUSER SE+Co.KG, see attached worldwide loc	ations appendix
Manufacturers Address; see altached worldwide locations appendix	
Plant Locations: see attached worldwide locations appendix	= 0 0 0 0 0 0
Category of Fittings to be registered. Circle one Category only A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducer	
B Flanges: all flanges	ASME B31,3
C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types	
E Strainers, filters, separators, and steam traps	ASME B31.1
Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or p transmitters	ressure
G Certified capacity-rated pressure relief devices acceptable as primary over pressure pro	otection 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 n Show Manufacturers Name, Trademark, or Logo as it will appear on the pr	
	Forged Welded Wrought
Endress+Hauser 五山	Cast □ Other □ Describe other:
	DOGING CITO.
People for Process Automation	
List of supporting documentation and identification of the actual Items to	
- DIAPHRAGM SEAL DEVICES, SCOPE OF CRN REGISTE	RATION, REPORTS, DRAWINGS,
CALCULATIONS.	
Declaration:	
! Christopher Protos (see note 3) employed by Endress+Hauser SE	+Co. KG and being the person having full authority
and responsibility for the quality of the end product do solemnly declare that the imp knowledge represents the product for which registration is sought. The dimer	
ratings, and identification markings are in accordance with the herein named star	
fittings is regulated by a Quality Control Program which extends to each plant wh	ere fabrication occurs in whole or in part and has been
verified by SQS ISO 9001, 2015 as being suitable for that purpose a believing it to be true, and knowing that it is of the same force and effect as if ma	and I make this solemn declaration conscientiously
believing it to be true, and knowing market of the same force and enest as it may	de dilber batil.
Signature of Declarer:	
Declared before me at	
This day of AD	Use this space for the Official Seal
Commissioner of Oaths	\square
Or Notary Public: (sign)	R New Nouveau
(Affix Official seal to the right)	Brunswick
This space for Regulatory Authorit	USE. DEPT OF JUSTICE PUBLIC SAFETY
This registration must be revalidated after ten (10) years	tom the da BOILER & PRESSURE VESSEL ACT
CRN:0F24854.5	
FID#:FID-15708	REGISTRATION ONLY
Notes:	CRN 0F24854.57
All Fittings shall be registered in the name of the Manufacturer.	CRN <u>OLATAJI.J</u>
2. Each Category shall be supported with two Statutory Declaration forms	I Ω Δ
and one copy of supporting documentation.	Dan Cerus
3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.	CHIEF BOILER INSPECTOR
4. Quality Control programs shall be resubmitted for validation.	11/2/1/00
	DATE Sect/1.02(Pullings Rev2.3
11/2016	
	□BLRs □ PVs
	DEFITTINGS INUCLEAR COMPONENTS
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS New Brunswick X Nova Scotia X Prince Edward Island X Newfoundland and Labrador X Northwest Territories x Nunavut Yukon X Manufacturers Name: ENDRESS+HAUSER SE+Co.KG, see attached worldwide locations appendix 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, unions, pipe caps, or reducers Construction B Flanges: all flanges C Valves: all line valves **ASME B31.3** Expansion joints, flexible connections, and hose assemblies: all types **ASME B31.1** 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, plping and fuelble pluge 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 ■ Wrought # Forged # Endress+Hauser 4 Other o Cast o Describe other: People for Process Automation List of supporting documentation and identification of the actual items to be registered: DIAPHRAGM SEAL DEVICES, SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS. Declaration: (400 note 3) employed by Endress+Hauser SE+Co. KG and being the person having full authority Christopher Projos 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 littings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been ventied by \$65 is \$000: 2015 as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that the of the same force and effect as if made under oath. Signature of Declarer: Declared before me at te inis in the crime Official Se 1 day of Commissioner of Oaths Or Notary Public: (sign) (Affix Official seal to the right) This space for Regulatory Authority use This registration must be revalidated after ten (10) years CRN:0F24854.5 FID#: FID-15708 Notes: 1. All Fittings shall be registered in the name of the Manufacturer. Each Category enail be supported with two Statutory Declaration forms and one copy of supporting documentation.

1.0 - Fittings Rev.2

The Declaration shall be made by the person having full authority and

responsibility for the quality of the end product.

Creatity Control programs shall be resubmitted for validation.

11/2016

New Brunswick X Nunavut X	Nova Scotia X Yukon x	Prince Edward Islan Northwest Territoric		Newfoundland and Labrador X
Manufacturers Addre	2: ENDRESS+HAUSER SE+C	ns appandix	de locations app	andix
Plant Locations: xoe o	tached worldwide tocations appendix			
A Pipe fittings, including B Flanges: all flanges C Valves: all line valves D Expension joints, flexit E Strainers, filters, separ		igs, unions, pipe caps, or re mblies: all lypes	ducers	Title of the Standard of Construction ASME B31.3 ASME B31.1
transmillers G Certified capacity-rated boilers, pressure vesse H Pressure retaining con	luding pressure gauges, level g pressure relief devices accepta is, piping and fusible plugs ponents that do not fall into on Class 1 □ Class 2 □ Class 3	able as primary over pressi e of the above categories	re protection on	
	Name, Trademark, or Log-			
Endres	s+Hauser	Constitution of the same	ie product	Type of Construction Forged Welded Wrought M Cast o Other o Describe other:
	e for Process Automation			
List of supporting do	cumentation and identific	ation of the actual item	s to be regist	ered:
- DIAPHRAGM SI CALCULATIONS		PE OF CRN REG	STRATION	N, REPORTS, DRAWINGS,
my knowledge represen ratings, and identification intitlings is regulated by a verified by \$0.5 iso \$0.01: 2 believing it to be true, ar Signature of Declarer:	is the product for which regi n markings are in accordanc Quality Control Program wh	stration is sought. The ee with the hereIn name ich extends to each plat ng suitable for that purp ame force and effect as	limensions, ma I standards. I l It where fabrica	and being the person having full authority in contained in this form is true to the best of aterials of construction, pressure temperature further declare that the manufacture of these ation occurs in whole or in part and has been a this solemn declaration conscientiously path.
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	AD		अव भाग	s space for the Official Se. !
Commissioner of Oaths				
Or Notary Public: (sign)				
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	placed in the name of the kinnifesti-	CR.	V. CYES	4854.59
	stered in the name of the Manufacius supported with two Statutory Decisions decisions			24 3023
	made by the person having full eu			McCb
	s shall be resubmitted for validation		NSPECTION LER/PRESS	SERVICES SECTION SURE VESSEL BRANCH FHlings Rev. 2

Nunavut x Yukon x Northwest Te	
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Manufacturers Address: see attached worldwide locations appendix	The second of th
Plant Locations: see attached worldwide locations expendix	
Category of Fittings to be registered. Circle one Cat A Pipe fittings, Including couplings, tees, elbows, Ys, plugs, unions, pipe ca B Flanges: all flanges	tegory only ps, or reducers Title of the Standard of Construction ASME B31.3
C Valves, all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and sleam traps (P) Measuring devices, including pressure gauges, level gauges, sight glasse	ASME B31.1
transmitters G Certified capacity-rated pressure railef devices acceptable as primary ove boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above cale.	r pressure protection on
N Nuclear components: Class 1 □ Class 2 □ Class 3 □ , (Meeting CNS	GC or ASME requirements)
Endress + Hauser	Forged & Welded & Wroughl & Casl o Other o Describe other:
People for Process Automation	
List of supporting documentation and identification of the actual	al items to be registered:
- DIAPHRAGM SEAL DEVICES, SCOPE OF CRN CALCULATIONS.	NEOIS HATION, NEPONTO, DIANVINGO,
Declaration: (Chielopher Protos and responsibility for the quality of the end product do solemnly declar my knowledge represents the product for which registration is eought ratings, and identification markings are in accordance with the herein fittings is regulated by a Quality Control Program which extends to according by 303 150 5001, 2015 Ing suitable for the believing it to be true, and knowing that the same force and effects.	L. The dimensions, materials of construction, pressure temperature named standards. I further declare that the manufacture of these ach plant where fabrication occurs in whole or in part and has been
Signature of Declarer.	>
Declared before me at	
This day of AD	Use this space for the Official Seal
Commissioner of Oaths	
Or Notary Public: (sign)	
(Affix Official seat to the right)	
This space for Regul This reg stration must be revalidated after to CRN:0F24854.5	
FID# FID-15708	OF all Omit
Notes.	Registered OF 24854.50
1. All Fittings shall be registered in the Harms of the Manufacturer	Date Nov 31, 3023
Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.	Engineering and inspecting for vices
 The Declaration shall be made by the person having full authority and responsibility for the quality of the and product. 	Registered by Children
4. Quality Control programs shall be resubmitted for validation.	UNDER THE AUTHORRY OF THE PUBLIC SAFETY ACT AND Sect 1 6 - Fittings Rev 2 THE BOILER, PRESSURE VESSEL AND
11/2016	COMPRESSED GAS REGULATIONS

New Brunswick X Nova Scoti Nunavut _X Yukon		ard Island X Ne ferritories x	wfoundland and Labrador X
Manufacturers Name: ENDRESS+HA			A.
Manufacturers Address: *** *******************************		a wonawide locations appendi	X
Plant Locations; see attached worldwide loc			
	e registered. Circle one C ilbows, Ys, plugs, unions, pipe o and hose assemblies: all types traps lauges, level gauges, sight glass	aps, or reducers	Title of the Standard of Construction ASME B31.3 ASME B31.1
boilers, pressure vessels, piping and fus H. Pressure retaining components that do	ible plugs not fail into one of the above cat	agorias	
N Nuclear components: Class 1 ☐ Class Show Manufacturers Name, Tradem			Time of Construction
Endress + Ha	user 💷	ser on the product	Type of Construction Forged & Walded & Wrought & Cast a Other a Describe other:
List of supporting documentation a		und itame to be seeint	di
and responsibility for the quality of the a my knowledge represents the product to ratings, and identification markings are fiftings is regulated by a Quality Control	and product do solemnly dec or which registration is soug in accordance with the here Program which extends to	lare that the Information of ht. The dimensions, mater in named standards. I furt each plant where fabrication	d being the person having full authority ontained in this form is true to the best of rials of construction, pressure temperature her declare that the manufacture of these on occurs in whote or in part and has been is solemn declaration conscientiously
verified by \$98.50.9001: 2015 believing it to be true, and knowing that	It is of the same force and e	effect as if made under oall	h.
Signature of Declarer:	· · · · · · · · · · · · · · · · · · ·	;>	
Signature of Declarer: 1 V			
Declared before me at			
Thisday of	AD		上,"我"。"我"。
Commissioner of Oaths			
Or Notary Public: (sign)			
(Affix Official)	seal to the right)		
	This space for Reg	ulatory Authority use, , k *	
	ration must be revalidated after	ten (10) years from the date of	of-acceptance.
CRN:0F24854.5			
FID#:FID-15708		13/	170
Notes:		2/BYZ	
All Fittings shall be registered in the name	of the Manufactures	191 3	121
Each Cetegory shall be supported with two and one copy of supporting documentation	Statutory Declaration forms	CRN 0	F24854.5Y
 The Declaration shell be made by the personsibility for the quality of the end prod 		1 1	11/20/2022
4. Quality Control programs shall be resubmit	ded for validation,	DATE.	11/28/2023 Sect 1 of Fittings Rev. 2
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	ame; ENDRESS+HAUSE		ched worldwide	locations app	endix	
	ddress: see attacked worldnic see altacked worldwide localicus					
			- C-1	A.C.	Title of the Standard of	· · · · ·
Category of Pittings to be registered. Circle one Category only A Pipe fittings, including couplings, tees, elbows, Ys, pluss, unions, pipe caps, or reducers					Construction	
B Flanges; all flanges						
C Valves: all line valves					ASME B31.3	
D Expansion joints, flexible connections, and hose assemblies; all types E Strainers, filters, separators, and steam traps					ASME 831.1	
	eparators, and steem traps s, including pressure gauge		ninaman taraha	of debugger		
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	raled pressure ralief devices		y over pressure	protection or	ı [
	essels, piping and fusible p		2000000000			
1 LARRENCE LEGISTRUNG	components that do not fal	T IMED DUE OF THE STOCKE	categories			
	nts: Class 1 🗆 Class 2 🗅					
Show Manufactur	ers Name, Trademark,	or Logo as it will a	ippear on the	product	Type of Construction Forged # Welded # Wrough	
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Endr	ess+Haus	er Lau			Describe other:	
	eople for Process Autom					
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DIAPHRAGM	I SEAL DEVICES,	SCOPE OF C	RN REGIS	TRATIO	N, REPORTS, DRAWINGS,	
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eclaration:			drass+Hausar	SE+Co KG	and being the person having full aut on contained in this form is true to the	
ny knowiedge repre stings, and identific Itinga la regulated i	seents the product for wheation markings are in ac by a Quality Control Pro	hich registration is e coordance with the h gram which extends	ought. The di- serein named s s to each plant	mensions, n standards. I where fabri	retorials of construction, pressure tem further declare that the manufacture cation occurs in whole or in part and h ke this selemn declaration consciention roath.	perat of the rae be
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Notes:		- /			A	
3. AEFElings shall b	be registered in the name of the	a Manufacturer,	F	REGISTI	ERED \	
2. Each Category &	half be supported with two State	ulory Destaration forms			THORITY OF	
	supporting documentation.				D PRESSURE	
	shall be made by the person ha	tring full subjectly and				
responsibility for	the quality of the end product.			VESSEL		
4. Quality Control p	orograms shall be resubmitted to	orystication.	CDM	OFTL	1854.57 54 1.0 Fittings Re	
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS New Brunswick X Nova Scotia X Prince Edward Island X Newfoundland and Labrador X Nunavut Yukon Northwest Territories x Manufacturers Name: ENDRESS+HAUSER SE+Co.KG, see attached workwide locations appendix Manufacturers Address: see altriched 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, unions, pipe caps, or reducers B Flanges: all flanges Construction **ASME B31.3** Valves: all fine valves D Expansion joints, flexible connections, and hose assembles: all types ASME B31.1 E Strainers, fiters, 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 🗆 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 & Forged B Cast o Other o Endress+Hauser 431 Describe other: People for Process Automation List of supporting documentation and identification of the actual items to be registered; DIAPHRAGM SEAL DEVICES, SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS. Declaration: | Christopher Project (see note 3) employed by Endress+Hauser SE+Co. KG 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 Christopher Project 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 303 is 0 son 2015 as being suitable for that purpose and I make this solernn declaration conscientiously believing it to be true, and knowing that this of the same force and effect as if made under oath. Signature of Declarer: Declared before me at AD · so this space for the Official in day of Commissioner of Oaths Or Notary Public: (sign) (Affix Official seal to the right) This space for agulatory Authority use. har to the sears from the date of acceptance. S & AC. This registration must be revalidated CRN:0F24854.5 REGISTERED FID#-FID-15708 Notes: 1. All Fittings shall be registered in the name of the Manufacturer. 2. Each Category shall be supported with two Statutory Declaration forms Date and one copy of supporting documentation. The Declaration shall be made by the person having full authority and Signed. responsibility for the quality of the end product. Quality Control programs shall be resubmitted for validation. Chief in pector Sect 1.0 - Fittings Rev.

Territorial Registration Fee

11/2016