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ATTN: TSSA BPV NATIONAL REGISTRATION -
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DR
TORONTO ON M9W 6N9

Date: 31-Mar-2026
TSBC Account #: 061440
TSBC Admin Number: 123443
Canadian Registration Number: 0F18434.51

Re: Application for Design Registration

The design, as detailed in your Design Portal application CRN EXT TO 0F18434.5 - ENDRESS + HAUSER for a Pressure Fitting is registered with the following notes and considerations:

Registered To:	ENDRESS + HAUSER
Project Name:	CRN EXT TO 0F18434.5 - ENDRESS + HAUSER
Drawing #:	Scope of registration: CRN Expiry Date extension
Drawing Revision:	N/A

Conditions of Registration:

(1) Fitting Registration Expiry Date: 26-Oct-2026 (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:

The extended expiry covers the registration until 26-Oct-2026.

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@technicalsaftybc.ca.

The Engineering Information Management Team



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

Toll Free: 1-866-566-SAFE
Fax: (778) 396 - 2064
www.safetyauthority.ca

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

Date: June 3, 2016
Account #: 35231
Journal #: 65640
Our File #: 5593935

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 1873728, for a Fitting is accepted for registration as follows:

Registered To: ENDRESS + HAUSER GMBH + CO. **CRN:** 0F18434.51
KG

Drawing #: 960018080

Drawing Revision: 3

Conditions Of Registration:

Registration of Adapters as per scope of registration sheets (2 pages).

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 April 26, 2026. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

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

SHARON PETERS

boiler.designregistration@safetyauthority.ca
Design Administration

cc:

Doc. 96001XXXX

SCOPE OF CRN REGISTRATION

Product:	ADAPTERS	Drawing overview	960018080
Code of Construction:	ASME B31.3-2014		

PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
RD52 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 42.3mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
UNI D85 ³⁾	Flush Mounted Welding Boss, 85mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
UNI D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
M24 D85 ³⁾	Flush Mounted Welding Boss, 65mm OD	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1" adjustable ³⁾	Flush Mounted Welding Boss, 65mm OD	G1" Thread Aligned	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=29 without flange ³⁾	Welding Boss, 29mm OD, 29mm ID	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=50 with flange ³⁾	Flush Mounted Welding Boss, 50mm OD	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1" Flush Mounted (sealing taper) ³⁾	Flush Mounted Welding Boss, 50mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1", d=60 with flange ³⁾	Flush Mounted Welding Boss, 60mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1", d=53 without flange ³⁾	Welding Boss, 53mm OD, 50mm ID	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent F DN25-32 PN40 ⁴⁾	Varivent F DN25-32 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent N DN40-162 PN40 ⁴⁾	Varivent N DN40-162 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN25, DN32, DN40	DIN11851 DN25, DN32, DN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN50	DIN11851 DN50	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C



PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
SMS 1-1/2" ³⁾	SMS 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C
Clamp 1-1/2" ⁴⁾	ISO2852 Clamp 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Clamp 2" ⁴⁾	ISO2852 Clamp 2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C

MANUFACTURING LOCATIONS

Endress+Hauser GmbH Co. KG DE-79689 Maulburg Germany	Endress+Hauser (USA) Automation Instrumentation Inc. Greenwood, Indiana 46143, USA
Endress+Hauser Suzhou Automation Instrumentation Co. Ltd. 215021 Suzhou P.R. China	Endress+Hauser (India) Automation Instrumentation Pvt. Ltd. Aurangabad-431136 India

Note 1) This CRN consolidates various adapters previously registered under CRN 0F16950.5C and 0F18141.5C into one CRN. No structural or dimensional changes to the adapter fittings and/or fitting components have occurred since the original CRN's were issued. In addition the following CRN registration optimization has been performed:

- The CRN registered pressure and temperature has been maximized based on ASME B31.3 and/or ASME Section II Part D allowable stress values.
- Various new materials have been added (See Note 2) that have a higher allowable stress over the CRN registered temperature range than the originally registered material of ASTM A479-316/316L.

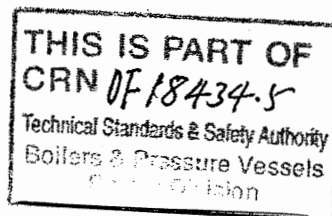
Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows: N08904, A479/A182, (904L, 1.4539); N06022, B575/B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);

Note 3) Maximum Design Pressure stated is for the adapter only and not the sensor being installed in the adapter. Pressure-temperature ratings may be limited by the sensor installed in the adapter. Consult sensor CRN for sensor pressure temperature ratings. MDMT for materials UNS S31803, S32750, S32760 limited to -51°C.

Note 4) Welding of the welding boss to process piping or vessels is to be in accordance with the requirements of CSA B51, applicable ASME codes and Canadian jurisdictional requirements. Suitability of the welding joint design and strength is the responsibility of the installer/designer and is not covered under this CRN.

Note 5) The assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

Note 6) ENDRESS+HAUSER supplies only the SMS nut and female part of the ferrule. The SMS mating ferrule (male part) is not part of the CRN and is not manufactured and not delivered by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the SMS mating ferrule used in the joint assembly. Consult mating ferrule manufacturer for SMS mating ferrule Pressure-Temperature ratings.



NOTE: SCOPE FOR PAGE 1 & 2.

CRN
TSSA
APR. 26/16

February 28, 2026

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

The design submission, Tracking Number 2026-01220, Web Portal Number 2026-S1015, originally received on February 27, 2026 was surveyed and accepted for registration as follows:

CRN :	0F18434.52	Accepted on:	February 28, 2026
Reg Type:	ADDITION TO ACC. FITTING	Expiry Date:	October 26, 2026
Document No.	Request for Extension to CRN		
Fitting type:	Adapter		

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

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

This registration is for CRN extension. The original CRN expiry date on April 26, 2026 is extended to October 26, 2026. There will be no more extension.

As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is 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 questions don't hesitate to contact me by phone at (587) 686-9340 or fax (780) 437-7787 or e-mail Liu@absa.ca.

Sincerely,



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

July 12, 2016

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

The design submission, tracking number 2016-03089, originally received on May 30, 2016 was surveyed and accepted for registration as follows:

CRN :	0F18434.52	Accepted on:	July 12, 2016
Reg Type:	New Design	Expiry Date:	April 26, 2026
Drawing No. : 960018080 & SCOPE OF REGISTRATION Rev NONE			
Fitting type: ADAPTERS			

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

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

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

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

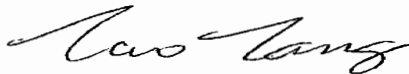
This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.

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

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

Enclosed are stamped prints for your reference.

Sincerely,



TANG, TAO, P. Eng.



**STATUTORY DECLARATION
Registration of Fittings**

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

Endress+Hauser 
People for Process Automation

I, MICHAEL FREI,

Quality Management Representative, responsible for the Integrated QM System
(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)

of ENDRESS+HAUSER GmbH+Co. KG

(name of manufacturer)

located at DE-79689 Maulburg, Germany

(plant address)

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

☒ comply with the requirements of ASME B31.3 which specifies the dimensions,
(title of recognized North American Standard)

materials of construction, pressure/temperature ratings and identification marking of the fittings, or

☐ are not covered by the provisions of a recognized North American standard and are therefore manufactured to
comply with _____ as supported by the attached data which identifies the dimensions,
materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings
for identification.

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

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

SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS

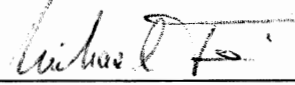
DECLARED before me at _____ in the _____ of _____

this _____ day of _____, _____
(Month) (Year)

(print) _____

(sign) _____

(A Commissioner for Oaths)

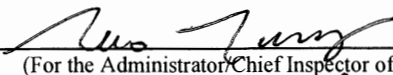

(Signature of Applicant)

For Office Use Only

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

Registration Number: OF 18434-52

Date Registered: JUL 12 2016


(For the Administrator/Chief Inspector of Alberta)

Expiry Date: April 26, 2026

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



Doc.	96001XXXX
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SCOPE OF CRN REGISTRATION

Product:	ADAPTERS	Drawing overview	960018080
Code of Construction:	ASME B31.3-2014		

PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
RD52 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 42.3mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
UNI D85 ³⁾	Flush Mounted Welding Boss, 85mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
UNI D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
M24 D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1" adjustable ³⁾	Flush Mounted Welding Boss, 65mm OD	G1" Thread Aligned	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=29 without flange ³⁾	Welding Boss, 29mm OD, 26mm ID	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=50 with flange ³⁾	Flush Mounted Welding Boss, 50mm OD	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1" Flush Mounted (sealing taper) ³⁾	Flush Mounted Welding Boss, 50mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1", d=60 with flange ³⁾	Flush Mounted Welding Boss, 60mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1", d=53 without flange ³⁾	Welding Boss, 53mm OD, 50mm ID	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent F DN25-32 PN40 ⁴⁾	Varivent F DN25-32 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent N DN40-162 PN40 ⁴⁾	Varivent N DN40-162 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN25, DN32, DN40	DIN11851 DN25, DN32, DN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN50	DIN11851 DN50	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C

OF 18434.52

PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
SMS 1-1/2" ⁵⁾	SMS 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C
Clamp 1-1/2" ⁴⁾	ISO2852 Clamp 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Clamp 2" ⁴⁾	ISO2852 Clamp 2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C

MANUFACTURING LOCATIONS

Endress+Hauser GmbH Co. KG DE-79689 Maulburg Germany	Endress+Hauser (USA) Automation Instrumentation Inc. Greenwood, Indiana 46143, USA
Endress+Hauser Suzhou Automation Instrumentation Co. Ltd. 215021 Suzhou P.R. China	Endress+Hauser (India) Automation Instrumentation Pvt. Ltd. Aurangabad-431136 India

Note 1) This CRN consolidates various adapters previously registered under CRN 0F16950.5C and 0F18141.5C into one CRN. No structural or dimensional changes to the adapter fittings and/or fitting components have occurred since the original CRN's were issued. In addition the following CRN registration optimization has been performed:

- The CRN registered pressure and temperature has been maximized based on ASME B31.3 and/or ASME Section II Part D allowable stress values.
- Various new materials have been added (**See Note 2**) that have a higher allowable stress over the CRN registered temperature range than the originally registered material of ASTM A479-316/316L.

Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows: N08904, A479/A182, (904L, 1.4539), N06022, B575/B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);

Note 3) Maximum Design Pressure stated is for the adapter only and not the sensor being installed in the adapter. Pressure-temperature ratings may be limited by the sensor installed in the adapter. Consult sensor CRN for sensor pressure temperature ratings. MDMT for materials UNS S31803, S32750, S32760 limited to -51°C.

Note 4) Welding of the welding boss to process piping or vessels is to be in accordance with the requirements of CSA B51, applicable ASME codes and Canadian jurisdictional requirements. Suitability of the welding joint design and strength is the responsibility of the installer/designer and is not covered under this CRN.

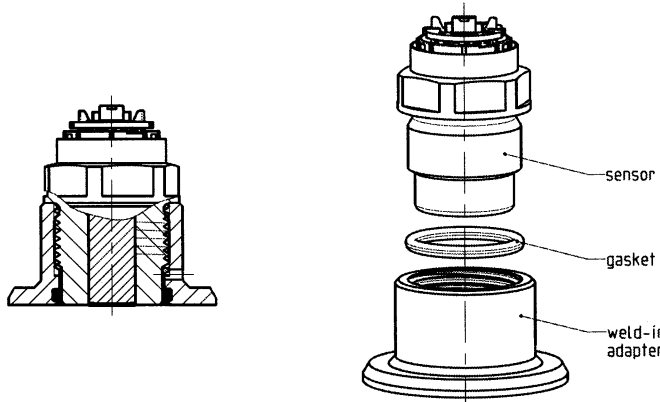
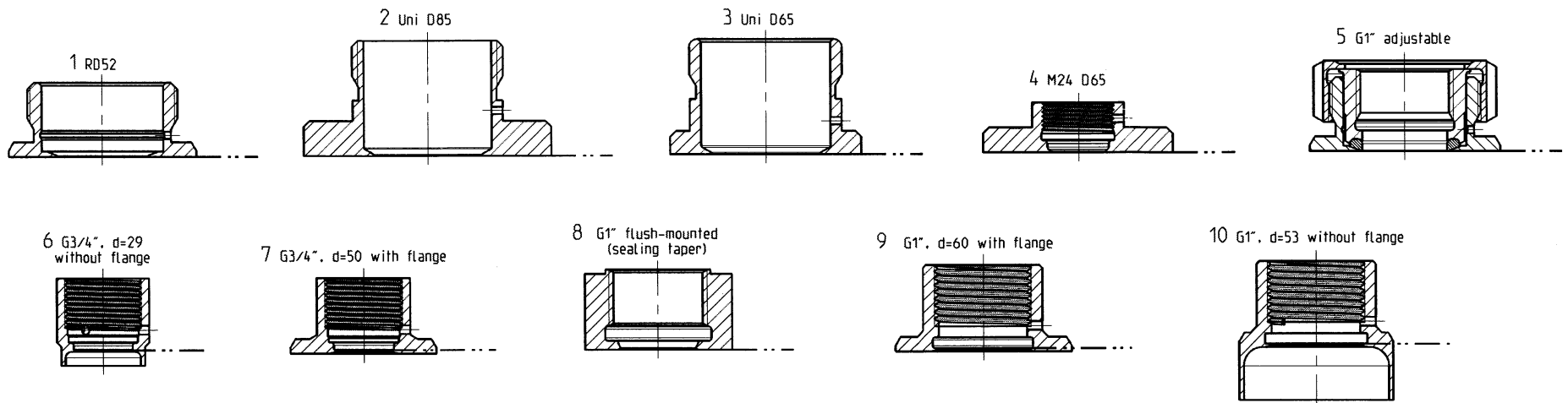
Note 5) The assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

Note 6) ENDRESS+HAUSER supplies only the SMS nut and female part of the ferrule. The SMS mating ferrule (male part) is not part of the CRN and is not manufactured and not delivered by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the SMS mating ferrule used in the joint assembly. Consult mating ferrule manufacturer for SMS mating ferrule Pressure-Temperature ratings.

ABSA	
SAFETY CODES ACT - PROVINCE OF ALBERTA	
REGISTRATION OF FITTINGS	
REGISTRATION NO.	0 F 1 8 4 3 4 . 5 2
DWG. NO. or CAT. NO.	960018080 & Scope of Registration
TYPE OF FITTINGS	Adapters
JUL 12 2016	INITIALS
Date	TAO TANG, P.Eng. DESIGN SURVEY ENGINEER

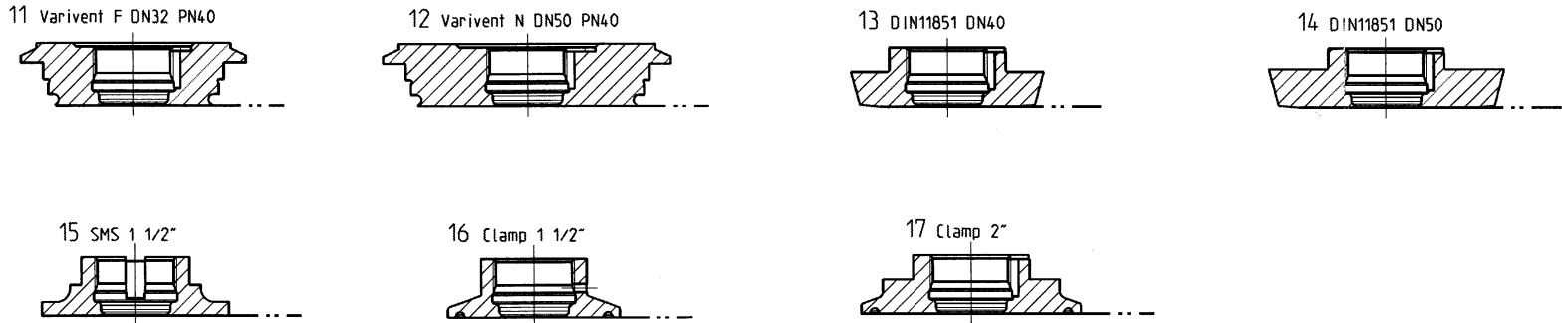
Weld-in adapter

Example

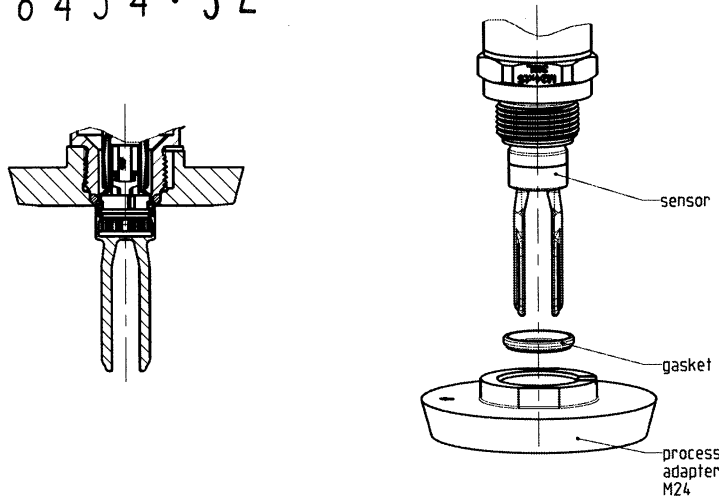


Process adapter M24

Example



OF 18434.52



OF 18434.52

17	Clamp 2"	ISO2852 Clamp 2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 bar	-60 up to 150°C
16	Clamp 1-1/2"	ISO2852 Clamp 1-1/2"	M24 Thread		40 bar	-60 up to 150°C
15	SMS 1-1/2"	SMS 1-1/2"	M24 Thread		25 bar	-60 up to 150°C
14	DIN11851 DN50	DIN11851 DN50	M24 Thread		25 bar	-60 up to 150°C
13	DIN11851 DN25, DN32, DN40	DIN11851 DN25, DN32, DN40	M24 Thread		40 bar	-60 up to 150°C
12	Varivent N DN40-162 PN40	Varivent N DN40-162 PN40	M24 Thread		40 bar	-60 up to 150°C
11	Varivent F DN25-32 PN40	Varivent F DN25-32 PN40	M24 Thread		40 bar	-60 up to 150°C
10	G1", d=53 without flange	welding boss, 53mm OD, 50mm ID	G1" Thread		40 bar	-60 up to 150°C
9	G1", d=60 with flange	flush mounted welding boss, 60mm OD	G1" Thread		40 bar	-60 up to 150°C
8	G1" flush-mounted (sealing taper)	flush mounted welding boss, 50mm OD	G1" Thread		100 bar	-60 up to 150°C
7	G3/4", d=50 with flange	flush mounted welding boss, 50mm OD	G3/4" Thread		40 bar	-60 up to 150°C
6	G3/4", d=29 without flange	welding boss, 29mm OD, 26mm ID	G3/4" Thread		40 bar	-60 up to 150°C
5	G1" adjustable	flush mounted welding boss, 65mm OD	G1" Thread Aligned		40 bar	-60 up to 150°C
4	M24 D65	flush mounted welding boss, 65mm OD	M24 Thread		100 bar	-60 up to 150°C
3	Uni D65	flush mounted welding boss, 65mm OD	RD52 Thread, 44.0mm ID		10 bar	-60 up to 150°C
2	Uni D85	flush mounted welding boss, 85mm OD	RD52 Thread, 44.0mm ID		10 bar	-60 up to 150°C
1	RD52	flush mounted welding boss, 65mm OD	RD52 Thread, 42.3mm ID		40 bar	-60 up to 150°C
part No.	part name	process installation	sensor installation	materials of Construction	MAWP	temperature rate

ambient pressure
----- pressure boundary line
process pressure

Agency controlled drawing.
No changes without prior
Agency approval.

Endress+Hauser E+H Inventive technology for process measurement	Schutzvermerk ISO 15026 beachten	Refer to protection notice ISO 15026	Toleranz / Tolerance	
	Benennung / title	CRN overview adapter CRN Übersichts Adapter	1:1	
	Material / material	960018080 - -	1	
	SAP-Material-Nr. / SAP material no.		1	
	Änderung / change		1	



2202 2nd Avenue
Regina, SK
S4R 1K3
Canada
(306) 787-1443
info@tsask.ca
www.tsask.ca

April 6, 2026

ENDRESS+HAUSER SE+Co. KG
HAUPSTRASSE 1
Maulburg 79689
Germany

Attention: **Scott Islip**

Re: Extension for CRN CSA-0F18434.56

As per your request for extension of CRN CSA-0F18434.56, acceptable for use in Saskatchewan, which expires on April 26, 2026; we have accepted your request and have granted extension coverage until **October 26, 2026**.

Yours truly,

A handwritten signature in blue ink, appearing to be "Adenike Adeoti".

Adenike Adeoti, P.Eng.
Manager, Codes and Standards Compliance



TECHNICAL STANDARDS &
SAFETY AUTHORITY
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will
appear on the fitting, in the space below

Endress+Hauser 
People for Process Automation

STATUTORY DECLARATION

Registration of Fittings

I, MICHAEL FREI, Quality Management Representative, responsible for the Integrated QM System

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENDRESS+HAUSER GmbH+Co. KG

(Name of Manufacturer)

Located at DE-79689 Maulburg, Germany

(Plant Address)

+49 7622 28 2672

(Telephone No.)

(Fax No.)

☒ do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of
ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☐ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with
as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008
which has been verified by the following authority, SQS

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

Commissioner for Oaths:

(Printed name)

(Signature)

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category F

CRN:

CSA - OF18434.56

Registered by:

A. BANWATT

Dated:

JUNE. 20. 2016

NOTE: This registration expires on

APRIL. 26. 2026



REGISTERED

C.R.N.:

CSA - OF18434.56

Signed:

Date:

20/06/2016

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

PV 09553 (06/04)



*Note: See the attachment for the scope of the registration.



Doc. 96001XXXX

SCOPE OF CRN REGISTRATION

Product:	ADAPTERS	Drawing overview	960018080
Code of Construction:	ASME B31.3-2014		

PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
RD52 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 42.3mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
UNI D85 ³⁾	Flush Mounted Welding Boss, 85mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
UNI D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
M24 D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1" adjustable ³⁾	Flush Mounted Welding Boss, 65mm OD	G1" Thread Aligned	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=29 without flange ³⁾	Welding Boss, 29mm OD, 26mm ID	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=50 with flange ³⁾	Flush Mounted Welding Boss, 50mm OD	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1" Flush Mounted (sealing taper) ³⁾	Flush Mounted Welding Boss, 50mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1", d=60 with flange ³⁾	Flush Mounted Welding Boss, 60mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1", d=53 without flange ³⁾	Welding Boss, 53mm OD, 50mm ID	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent F DN25-32 PN40 ⁴⁾	Varivent F DN25-32 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent N DN40-162 PN40 ⁴⁾	Varivent N DN40-162 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN25, DN32, DN40	DIN11851 DN25, DN32, DN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN50	DIN11851 DN50	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C

ATTACHMENT TO
CRN: CSA-0F18434.56
Signed: [Signature]
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
SMS 1-1/2" ³⁾	SMS 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C
Clamp 1-1/2" ⁴⁾	ISO2852 Clamp 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Clamp 2" ⁴⁾	ISO2852 Clamp 2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C

MANUFACTURING LOCATIONS

Endress+Hauser GmbH Co. KG DE-79689 Maulburg Germany	Endress+Hauser (USA) Automation Instrumentation Inc. Greenwood, Indiana 46143, USA
Endress+Hauser Suzhou Automation Instrumentation Co. Ltd. 215021 Suzhou P.R. China	Endress+Hauser (India) Automation Instrumentation Pvt. Ltd. Aurangabad-431136 India

Note 1) This CRN consolidates various adapters previously registered under CRN 0F16950.5C and 0F18141.5C into one CRN. No structural or dimensional changes to the adapter fittings and/or fitting components have occurred since the original CRN's were issued. In addition the following CRN registration optimization has been performed:

- The CRN registered pressure and temperature has been maximized based on ASME B31.3 and/or ASME Section II Part D allowable stress values.
- Various new materials have been added (See Note 2) that have a higher allowable stress over the CRN registered temperature range than the originally registered material of ASTM A479-316/316L.

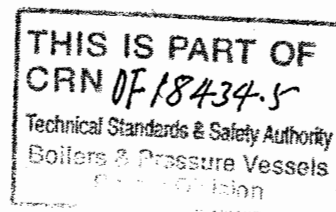
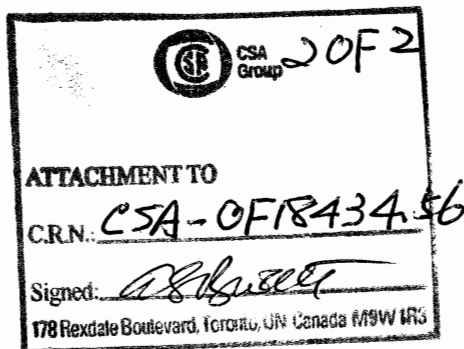
Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows: N08904, A479/A182, (904L, 1.4539); N06022, B575/B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);

Note 3) Maximum Design Pressure stated is for the adapter only and not the sensor being installed in the adapter. Pressure-temperature ratings may be limited by the sensor installed in the adapter. Consult sensor CRN for sensor pressure temperature ratings. MDMT for materials UNS S31803, S32750, S32760 limited to -51°C.

Note 4) Welding of the welding boss to process piping or vessels is to be in accordance with the requirements of CSA B51, applicable ASME codes and Canadian jurisdictional requirements. Suitability of the welding joint design and strength is the responsibility of the installer/designer and is not covered under this CRN.

Note 5) The assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

Note 6) ENDRESS+HAUSER supplies only the SMS nut and female part of the ferrule. The SMS mating ferrule (male part) is not part of the CRN and is not manufactured and not delivered by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the SMS mating ferrule used in the joint assembly. Consult mating ferrule manufacturer for SMS mating ferrule Pressure-Temperature ratings.



NOTE: SCOPE FOR PAGE 1 & 2.

CRN
1651A
APR. 26/16

From: [+WPG112 - QA Support](#)
To: [Tanya Francis](#)
Subject: RE: MANITOBA CRN EXTENSION FOR :0F18434.5 - Workorder Number: 14941199 TSSA:0000330006016
Date: Thursday, February 26, 2026 1:01:21 PM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)
[image009.png](#)

[External Email >](#)

[**CAUTION**]: THIS EMAIL ORIGINATED OUTSIDE THE ORGANISATION.
DO NOT CLICK LINKS OR OPEN ATTACHMENTS UNLESS YOU KNOW THE SENDER AND ARE EXPECTING THIS
EMAIL. PLEASE REPORT WITH THE PHISH REPORT BUTTON IF SUSPICIONS.

Hello Tanya,

Thank you for your email.

Your request for the CRN extension for 0F18434.5 has been granted. The extended expiry covers the original scope of registration until 26-Oct-2026.

No further action is required.

With Gratitude

[Jasmeen Kaur](#)

Registration Intake Officer

Inspection and Technical Services

Labour and Immigration

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-8516

Email: Jasmeen.Kaur2@gov.mb.ca

Website: : <https://www.gov.mb.ca/labour/its/index.html>



**Old forms will no longer be accepted. Get your updated versions here [NEW ITS FORMS](#) **

From: Tanya Francis <tfrancis@tssa.org>



Inspection and Technical Services Manitoba

500 - 401 York Avenue

Winnipeg Manitoba R3C 0P8

T (204) 945-3373

F (204) 948-2309

www.firecomm.gov.mb.ca/codes_steam_pressure.html

JULY 27, 2016

TSSA
345 Carlingview Drive
Toronto, ON
M9W 6N9

Attn: Tanya Francis

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: ENDRESS + HAUSER GMBH CO.KG

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

DRAWING / CATALOGUE	CRN	FILE
SCOPE: Adapters 96001XXXX REV.2	0F18434.54	36672

An invoice covering survey and registration fees is enclosed.

NOTE: CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: **TSSA**. This registration expires **April 26, 2026**.

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

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

Regards,



Ryan Orlesky, C.E.T.

Design Surveyor

Office of the Fire Commissioner

Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-3373

Email: ryan.orlesky@gov.mb.ca



TECHNICAL STANDARDS &
SAFETY AUTHORITY
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will
appear on the fitting, in the space below

Endress+Hauser



People for Process Automation

STATUTORY DECLARATION

Registration of Fittings

I, MICHAEL FREI, Quality Management Representative, responsible for the Integrated QM System

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENDRESS+HAUSER GmbH+Co. KG

(Name of Manufacturer)

Located at DE-79689 Maulburg, Germany

(Plant Address)

+49 7622 28 2672

(Telephone No.)

(Fax No.)

☒ do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of
ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☐ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with
as supported by the attached data which identifies the dimensions, material of construction,
pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008
which has been verified by the following authority, SQS

The items covered by this declaration, for which I seek registration, are category F - ADAPTERS 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____.

Commissioner for Oaths:

(Printed name)

(Signature)

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and
CSA Standard B51 and is accepted for registration in Category "F"

CRN:

0F18434.54

Registered by:

RYAN ORLESKY

Dated:

JULY 27, 2016

NOTE: This registration expires on

JUNE 19, 2024

PV 09553 (06/04)

April 26, 2026

Inspection & Technical Services Manitoba	Office of the Fire Commissioner
Manitoba	
REGISTERED	
C.R.N.:	<u>0F18434.54</u>
Signed:	<u>RYAN</u>
Date:	<u>JULY 27, 2016</u>



Doc.	96001XXXX
------	-----------

SCOPE OF CRN REGISTRATION

Product:	ADAPTERS	Drawing overview	960018080
Code of Construction:	ASME B31.3-2014		

PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
RD52 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 42.3mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
UNI D85 ³⁾	Flush Mounted Welding Boss, 85mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
UNI D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
M24 D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1" adjustable ³⁾	Flush Mounted Welding Boss, 65mm OD	G1" Thread Aligned	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=29 without flange ³⁾	Welding Boss, 29mm OD, 26mm ID	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=50 with flange ³⁾	Flush Mounted Welding Boss, 50mm OD	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1" Flush Mounted (sealing taper) ³⁾	Flush Mounted Welding Boss, 50mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1", d=60 with flange ³⁾	Flush Mounted Welding Boss, 60mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1", d=53 without flange ³⁾	Welding Boss, 53mm OD, 50mm ID	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent F DN25-32 PN40 ⁴⁾	Varivent F DN25-32 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent N DN40-162 PN40 ⁴⁾	Varivent N DN40-162 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN25, DN32, DN40	DIN11851 DN25, DN32, DN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN50	DIN11851 DN50	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C



PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
SMS 1-1/2" ⁵⁾	SMS 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C
Clamp 1-1/2" ⁴⁾	ISO2852 Clamp 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Clamp 2" ⁴⁾	ISO2852 Clamp 2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C

MANUFACTURING LOCATIONS

Endress+Hauser GmbH Co. KG DE-79689 Maulburg Germany	Endress+Hauser (USA) Automation Instrumentation Inc. Greenwood, Indiana 46143, USA
Endress+Hauser Suzhou Automation Instrumentation Co. Ltd. 215021 Suzhou P.R. China	Endress+Hauser (India) Automation Instrumentation Pvt. Ltd. Aurangabad-431136 India

Note 1) This CRN consolidates various adapters previously registered under CRN 0F16950.5C and 0F18141.5C into one CRN. No structural or dimensional changes to the adapter fittings and/or fitting components have occurred since the original CRN's were issued. In addition the following CRN registration optimization has been performed:

- The CRN registered pressure and temperature has been maximized based on ASME B31.3 and/or ASME Section II Part D allowable stress values.
- Various new materials have been added (See Note 2) that have a higher allowable stress over the CRN registered temperature range than the originally registered material of ASTM A479-316/316L.

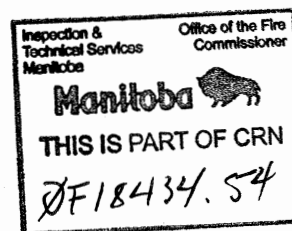
Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows: N08904, A479/A182, (904L, 1.4539); N06022, B575/B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);

Note 3) Maximum Design Pressure stated is for the adapter only and not the sensor being installed in the adapter. Pressure-temperature ratings may be limited by the sensor installed in the adapter. Consult sensor CRN for sensor pressure temperature ratings. MDMT for materials UNS S31803, S32750, S32760 limited to -51°C.

Note 4) Welding of the welding boss to process piping or vessels is to be in accordance with the requirements of CSA B51, applicable ASME codes and Canadian jurisdictional requirements. Suitability of the welding joint design and strength is the responsibility of the installer/designer and is not covered under this CRN.

Note 5) The assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

Note 6) ENDRESS+HAUSER supplies only the SMS nut and female part of the ferrule. The SMS mating ferrule (male part) is not part of the CRN and is not manufactured and not delivered by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the SMS mating ferrule used in the joint assembly. Consult mating ferrule manufacturer for SMS mating ferrule Pressure-Temperature ratings.





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

www.tssa.org

February 23, 2026

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CANADA

Reference CRN: 0F18434.5 Extension Granted

Dear SCOTT ISLIP,

We are pleased to inform you that your request for extension of expiry date of CRN(s) 0F18434.5 registered to: ENDRESS + HAUSER GMBH + CO KG, expiring / expired on 26-Apr-2026; has been accepted. The extended expiry covers the registration until 26-Oct-2026.

Please ensure that your renewal application is submitted within this period. If the renewal is not submitted before the extended expiry date, a new CRN will be issued. During the extension period, please be advised that a valid quality control system must be maintained for the fitting registration to remain valid.

If you have any further questions or issues, please feel free to contact us at any-time.

Yours truly,

For

Liliana Constantinescu
Manager, Engineering Services
Boilers and Pressure Vessels Safety
Tel. : 416-734-3425
Email : lconstantinescu@tssa.org



TECHNICAL STANDARDS &
SAFETY AUTHORITY
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will
appear on the fitting, in the space below

Endress+Hauser

People for Process Automation

STATUTORY DECLARATION

Registration of Fittings

I, MICHAEL FREI, Quality Management Representative, responsible for the Integrated QM System

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENDRESS+HAUSER GmbH+Co. KG

(Name of Manufacturer)

Located at DE-79689 Maulburg, Germany

(Plant Address)

+49 7622 28 2672

(Telephone No.)

(Fax No.)



do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of
ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;



or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority, SQS

The items covered by this declaration, for which I seek registration, are category F - ADAPTERS 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____.

Commissioner for Oaths:

(Printed name)

(Signature)

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category F

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

CRN:

OF18434.5

NOTE: SEE ATTACHED

: PART OF CRN

Registered by:

Charley Dong

FOR THE SCOPE.

Dated:

APR. 26/16

APR. 26/16

NOTE: This registration expires on

APR. 26, 2026

REGISTERED

CRN:

OF18434.5

Signed:

Charley Dong

Date:

APR. 26/16

Doc.	96001XXXX
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SCOPE OF CRN REGISTRATION

Product:	ADAPTERS	Drawing overview	960018080
Code of Construction:	ASME B31.3-2014		

PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
RD52 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 42.3mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
UNI D85 ³⁾	Flush Mounted Welding Boss, 85mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
UNI D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
M24 D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1" adjustable ³⁾	Flush Mounted Welding Boss, 65mm OD	G1" Thread Aligned	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=29 without flange ³⁾	Welding Boss, 29mm OD, 26mm ID	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=50 with flange ³⁾	Flush Mounted Welding Boss, 50mm OD	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1" Flush Mounted (sealing taper) ³⁾	Flush Mounted Welding Boss, 50mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1", d=60 with flange ³⁾	Flush Mounted Welding Boss, 60mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1", d=53 without flange ³⁾	Welding Boss, 53mm OD, 50mm ID	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent F DN25-32 PN40 ⁴⁾	Varivent F DN25-32 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent N DN40-162 PN40 ⁴⁾	Varivent N DN40-162 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN25, DN32, DN40	DIN11851 DN25, DN32, DN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN50	DIN11851 DN50	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C

PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
SMS 1-1/2" ⁵⁾	SMS 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C
Clamp 1-1/2" ⁴⁾	ISO2852 Clamp 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Clamp 2" ⁴⁾	ISO2852 Clamp 2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C

MANUFACTURING LOCATIONS

Endress+Hauser GmbH Co. KG DE-79689 Maulburg Germany	Endress+Hauser (USA) Automation Instrumentation Inc. Greenwood, Indiana 46143, USA
Endress+Hauser Suzhou Automation Instrumentation Co. Ltd. 215021 Suzhou P.R. China	Endress+Hauser (India) Automation Instrumentation Pvt. Ltd. Aurangabad-431136 India

Note 1) This CRN consolidates various adapters previously registered under CRN 0F16950.5C and 0F18141.5C into one CRN. No structural or dimensional changes to the adapter fittings and/or fitting components have occurred since the original CRN's were issued. In addition the following CRN registration optimization has been performed:

- The CRN registered pressure and temperature has been maximized based on ASME B31.3 and/or ASME Section II Part D allowable stress values.
- Various new materials have been added (**See Note 2**) that have a higher allowable stress over the CRN registered temperature range than the originally registered material of ASTM A479-316/316L.

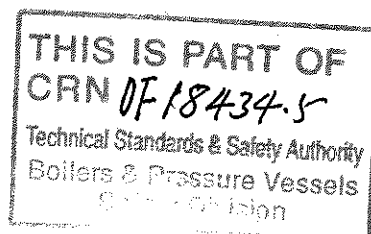
Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows: N08904, A479/A182, (904L, 1.4539); N06022, B575/B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);

Note 3) Maximum Design Pressure stated is for the adapter only and not the sensor being installed in the adapter. Pressure-temperature ratings may be limited by the sensor installed in the adapter. Consult sensor CRN for sensor pressure temperature ratings. DMT for materials UNS S31803, S32750, S32760 limited to -51°C.

Note 4) Welding of the welding boss to process piping or vessels is to be in accordance with the requirements of CSA B51, applicable ASME codes and Canadian jurisdictional requirements. Suitability of the welding joint design and strength is the responsibility of the installer/designer and is not covered under this CRN.

Note 5) The assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

Note 6) ENDRESS+HAUSER supplies only the SMS nut and female part of the ferrule. The SMS mating ferrule (male part) is not part of the CRN and is not manufactured and not delivered by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the SMS mating ferrule used in the joint assembly. Consult mating ferrule manufacturer for SMS mating ferrule Pressure-Temperature ratings.



NOTE: SCOPE FOR PAGE 1 & 2.

CRN
165A
APR. 26/16



Montréal, March 4, 2026

ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CANADA

Our reference: 940648

Design documentation: CRN EXTENSION REQUEST

Subject: Confirmation of design registration extension for Category F fittings

Dear SCOTT ISLIP,

The Régie du bâtiment du Québec (RBQ) informs you that we have accepted your request and have granted the extension coverage for the category F fittings registered to:
ENDRESS + HAUSER GMBH + CO KG, under the Canadian Registration Number (CRN\NEC):
0F18434.56

This extension will expire on **October 26, 2026**.

We bring to your attention the following:

- The manufacturer must maintain a valid quality control program to build category F fittings according to this CRN;
- The manufacturer will be submitting updated design documentation in order to have this CRN renewed for another 10 years.

This notice of design registration does not relieve the manufacturer of his responsibilities with respect to the design or construction of equipment manufactured according to this CRN.

Yours sincerely,

François Grondin, P. Eng.

Pressure Equipment Homologation and Expertise Bureau
Régie de bâtiment du Québec



TECHNICAL STANDARDS &
SAFETY AUTHORITY
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will
appear on the fitting, in the space below

Endress+Hauser 
People for Process Automation

STATUTORY DECLARATION

Registration of Fittings

I, MICHAEL FREI, Quality Management Representative, responsible for the Integrated QM System

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENDRESS+HAUSER GmbH+Co. KG

(Name of Manufacturer)

Located at DE-79689 Maulburg, Germany

(Plant Address)

+49 7622 28 2672

(Telephone No.)

(Fax No.)

☒ do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of
ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☐ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with
as supported by the attached data which identifies the dimensions, material of construction,
pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008
which has been verified by the following authority, SQS

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

Commissioner for Oaths:

(Printed name)

(Signature)

(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the
Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and
CSA Standard B51 and is accepted for registration in Category F

CRN:

CSA - OF18434.56

Registered by:

A. BANWATT

Dated:

JUNE. 20. 2016

NOTE: This registration expires on

APRIL. 26. 2026



REGISTERED

C.R.N.:

CSA - OF18434.56

Signed:

[Signature]

Date:

20/06/2016

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

PV 09553 (06/04)



*Note: See the attachment for the scope of the registration.



Doc. 96001XXXX

SCOPE OF CRN REGISTRATION

Product:	ADAPTERS	Drawing overview	960018080
Code of Construction:	ASME B31.3-2014		

PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
RD52 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 42.3mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
UNI D85 ³⁾	Flush Mounted Welding Boss, 85mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
UNI D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	RD52 Thread, 44.0mm ID	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	10 barg -60°C up to 150°C
M24 D65 ³⁾	Flush Mounted Welding Boss, 65mm OD	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1" adjustable ³⁾	Flush Mounted Welding Boss, 65mm OD	G1" Thread Aligned	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=29 without flange ³⁾	Welding Boss, 29mm OD, 26mm ID	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G3/4", d=50 with flange ³⁾	Flush Mounted Welding Boss, 50mm OD	G3/4" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1" Flush Mounted (sealing taper) ³⁾	Flush Mounted Welding Boss, 50mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	100 barg -60°C up to 150°C
G1", d=60 with flange ³⁾	Flush Mounted Welding Boss, 60mm OD	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
G1", d=53 without flange ³⁾	Welding Boss, 53mm OD, 50mm ID	G1" Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent F DN25-32 PN40 ⁴⁾	Varivent F DN25-32 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Varivent N DN40-162 PN40 ⁴⁾	Varivent N DN40-162 PN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN25, DN32, DN40	DIN11851 DN25, DN32, DN40	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
DIN11851 DN50	DIN11851 DN50	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C

ATTACHMENT TO
CRN: CSA-0F18434.56
Signed: [Signature]
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

PRODUCT DESCRIPTION

Adapter Model	Connection		Materials of Construction ¹⁾	Maximum Design Pressure (bar) and Temperature (°C) ²⁾
	Process Installation	Sensor Installation		
SMS 1-1/2" ³⁾	SMS 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	25 barg -60°C up to 150°C
Clamp 1-1/2" ⁴⁾	ISO2852 Clamp 1-1/2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C
Clamp 2" ⁴⁾	ISO2852 Clamp 2"	M24 Thread	UNS S31600, A-479, (316, 1.4401) UNS S31603, A-479, (316L, 1.4435) UNS S31603, A-479, (316L, 1.4404)	40 barg -60°C up to 150°C

MANUFACTURING LOCATIONS

Endress+Hauser GmbH Co. KG DE-79689 Maulburg Germany	Endress+Hauser (USA) Automation Instrumentation Inc. Greenwood, Indiana 46143, USA
Endress+Hauser Suzhou Automation Instrumentation Co. Ltd. 215021 Suzhou P.R. China	Endress+Hauser (India) Automation Instrumentation Pvt. Ltd. Aurangabad-431136 India

Note 1) This CRN consolidates various adapters previously registered under CRN 0F16950.5C and 0F18141.5C into one CRN. No structural or dimensional changes to the adapter fittings and/or fitting components have occurred since the original CRN's were issued. In addition the following CRN registration optimization has been performed:

- The CRN registered pressure and temperature has been maximized based on ASME B31.3 and/or ASME Section II Part D allowable stress values.
- Various new materials have been added (See Note 2) that have a higher allowable stress over the CRN registered temperature range than the originally registered material of ASTM A479-316/316L.

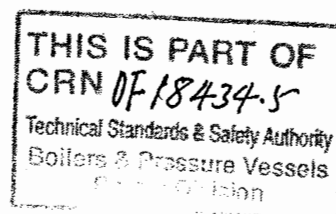
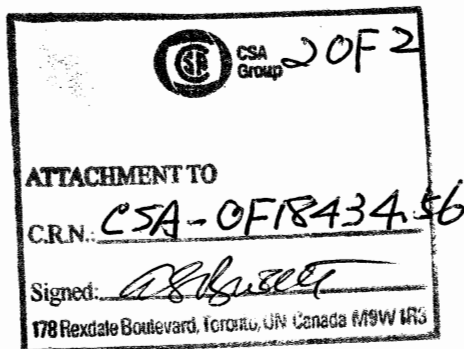
Note 2) The following additional alloys of superior or equivalent properties to those listed above are also included in the scope of registration as follows: N08904, A479/A182, (904L, 1.4539); N06022, B575/B574/B564, (C-22, 2.4602); N10276, B574/B564, (C-276, 2.4819); S31803, A479/A182, F51, (318LN, 1.4462); S32750, A240/A182, F53, (2507, 1.4410); S32760, A479/A182, F55, (Zeron 100, 1.4501); N06600, B166/B564, (Inconel 600, 2.4816); N06625, B446/B564, (Inconel 625, 2.4856); N08825, B425/B564, (Inconel 825, 2.4858); S30400/S30403, A479/A182, (304/304L, 1.4301/1.4306/1.4307);

Note 3) Maximum Design Pressure stated is for the adapter only and not the sensor being installed in the adapter. Pressure-temperature ratings may be limited by the sensor installed in the adapter. Consult sensor CRN for sensor pressure temperature ratings. MDMT for materials UNS S31803, S32750, S32760 limited to -51°C.

Note 4) Welding of the welding boss to process piping or vessels is to be in accordance with the requirements of CSA B51, applicable ASME codes and Canadian jurisdictional requirements. Suitability of the welding joint design and strength is the responsibility of the installer/designer and is not covered under this CRN.

Note 5) The assembly clamp is not part of the CRN and is not manufactured by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the clamp type used in the joint assembly. Consult clamp Manufacturer for clamp Pressure-Temperature ratings.

Note 6) ENDRESS+HAUSER supplies only the SMS nut and female part of the ferrule. The SMS mating ferrule (male part) is not part of the CRN and is not manufactured and not delivered by ENDRESS+HAUSER. Pressure-Temperature ratings may be limited by the SMS mating ferrule used in the joint assembly. Consult mating ferrule manufacturer for SMS mating ferrule Pressure-Temperature ratings.



NOTE: SCOPE FOR PAGE 1 & 2.

CRN
16518
APR. 26/16

ACI Central Inc.

20 McAulay Court, Charlottetown, PE C1A 9M7
P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation for Extension – Pressure Fitting

To: Eben Creaser

Date: 03/06/2026

From: ACI Central Inc.

Manufacturer: Endress+Hauser SE+Co. KG
Hauptstraße 1,
79689 Maulburg,
Germany

Manufacturer #: FID-15708

Subject: Provincial CRN Extension

The supporting documents for this product have been verified by ACIC and meet the Provincial requirements. Therefore, we recommend an extension for a period of 6 months.

CRN: 0F18434.5

Type of Fitting: Sensor adapters

Design Code: ASME B31.3

Description:

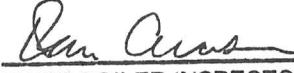
Weld-In adapters, process adapters & flanges. RD52, UNI D65/D85, M24 D65, G1" Adjust., G3/4" d=29 w/o flg., G3/4" d=50 w/ flg., G1" Flush mount. (seal. taper), G1" d=60 w/flg., G1" d=53 w/o flg., Varivent F DN25-32 PN40, Varivent N DN40-162 PN40, DIN11851 DN25-DN40, DN50, SMS 1-1/2", Clamp 1-1/2", 2". 4 Plant locations

Trademark:

"Endress+Hauser", stylized "EH" in block white font enclosed in a blue shaded parallelogram shape.

Current Expiry Date: 04/26/2026

Expiry Extension Date: 10/26/2026

This Space is for the Regulatory Authority use	
New  Nouveau	
DEPT OF JUSTICE PUBLIC SAFETY BOILER & PRESSURE VESSEL ACT	
REGISTRATION ONLY	
CRN	<u>0F18434.57</u>
	
CHIEF BOILER INSPECTOR	
DATE	<u>3/6/26</u>
☐ BLRs	☐ PVs
☒ FITTINGS	☐ NUCLEAR COMPONENTS

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

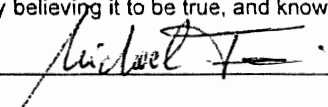
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENDRESS + HAUSER GmbH+Co. KG	
MANUFACTURERS ADDRESS: DE-79689 MAULBURG, GERMANY	
PLANT LOCATIONS: GERMANY, P.R. CHINA, INDIA, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION - ASME B31.3
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT  Endress+Hauser People for Process Automation	
TYPE OF CONSTRUCTION FORGED ☒ WELDED ☐ WROUGHT ☒ CAST ☐ OTHER ☐ DESCRIBE OTHER:	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: - ADAPTER SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS	

DECLARATION:

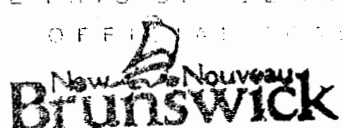
I MICHAEL FREI (see note 3) employed by Endress+Hauser GmbH+Co. KG and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS 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.

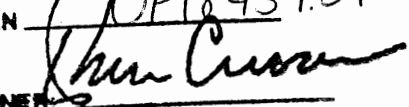
Signature of Declarer: 

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths
or Notary Public: (sign) _____

USE THIS SPACE FOR
OFFICIAL SEAL


This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of registration	
CRN: <u>0F18434.5</u> FID#: <u>133</u>	REGISTRATION ONLY CRN <u>0F18434.57</u>  EXAMINER: <u>2</u> for CHIEF BOILER INSPECTOR DATE: <u>6/10/2016</u>
Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	☐ BLRs ☒ Sect. 1.0 - PWS Rev. 1 06/2003 ☐ FITTINGS ☐ COMPONENTS

ACI Central Inc.

20 McAulay Court, Charlottetown, PE C1A 9M7
P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation for Extension – Pressure Fitting

To: Donnie Ehler

Date: 03/06/2026

From: ACI Central Inc.

Manufacturer: Endress+Hauser SE+Co. KG
Hauptstraße 1,
79689 Maulburg,
Germany

Manufacturer #: FID-15708

Subject: Provincial CRN Extension

The supporting documents for this product have been verified by ACIC and meet the Provincial requirements. Therefore, we recommend an extension for a period of 6 months.

CRN: 0F18434.5

Type of Fitting: Sensor adapters

Design Code: ASME B31.3

Description:

Weld-In adapters, process adapters & flanges. RD52, UNI D65/D85, M24 D65, G1" Adjust., G3/4" d=29 w/o flg., G3/4" d=50 w/ flg., G1" Flush mount. (seal. taper), G1" d=60 w/flg., G1" d=53 w/o flg., Varivent F DN25-32 PN40, Varivent N DN40-162 PN40, DIN11851 DN25-DN40, DN50, SMS 1-1/2", Clamp 1-1/2", 2". 4 Plant locations

Trademark:

"Endress+Hauser", stylized "EH" in block white font enclosed in a blue shaded parallelogram shape.

Current Expiry Date: 04/26/2026

Expiry Extension Date: 10/26/2026

This Space is for the Regulatory Authority use

Date Mar. 6/26

C.R.N. 0F18434.58

Dwg. as described

Signed [Signature]

1 of 1
Part

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUTNOVA SCOTIA
YUKONPRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENDRESS + HAUSER GmbH+Co. KG	
MANUFACTURERS ADDRESS: DE-79889 MAULBURG, GERMANY	
PLANT LOCATIONS: GERMANY, P.R. CHINA, INDIA, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps ☒ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION - ASME B31.3
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT  Endress+Hauser People for Process Automation	TYPE OF CONSTRUCTION FORGED ☒ WELDED ☐ WROUGHT ☒ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: - ADAPTER SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS	

DECLARATION:

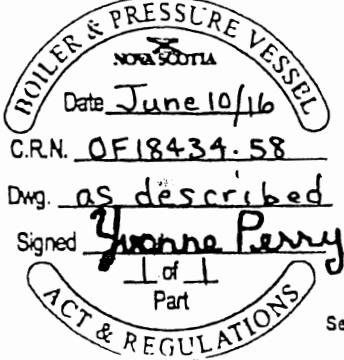
I, MICHAEL FREI (see Note 3) employed by Endress+Hauser GmbH+Co. KG and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS 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: Michael Frei

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths
or Notary Public: (sign) _____USE THIS SPACE FOR
OFFICIAL STAMP

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0F18434.5</u>	
FID#: <u>133</u>	
Notes:	
1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	
Sect. 1.0 - Fittings Rev. 1 06/2003	

ACI Central Inc.

20 McAulay Court, Charlottetown, PE C1A 9M7
P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation for Extension – Pressure Fitting

To: Nancy Chiasson

Date: 03/06/2026

From: ACI Central Inc.

Manufacturer: Endress+Hauser SE+Co. KG
Hauptstraße 1,
79689 Maulburg,
Germany

Manufacturer #: FID-15708

Subject: Provincial CRN Extension

The supporting documents for this product have been verified by ACIC and meet the Provincial requirements. Therefore, we recommend an extension for a period of 6 months.

CRN: 0F18434.5

Type of Fitting: Sensor adapters

Design Code: ASME B31.3

Description:

Weld-in adapters, process adapters & flanges. RD52, UNI D65/D85, M24 D65, G1" Adjust., G3/4" d=29 w/o flg., G3/4" d=50 w/ flg., G1" Flush mount. (seal. taper), G1" d=60 w/flg., G1" d=53 w/o flg., Varivent F DN25-32 PN40, Varivent N DN40-162 PN40, DIN11851 DN25-DN40, DN50, SMS 1-1/2", Clamp 1-1/2", 2", 4 Plant locations

Trademark:

"Endress+Hauser", stylized "EH" in block white font enclosed in a blue shaded parallelogram shape.

Current Expiry Date: 04/26/2026

Expiry Extension Date: 10/26/2026

This Space is for the Regulatory Authority use

ACCEPTED
PROVINCE OF PRINCE EDWARD ISLAND
C.R.N.: 0F18434.59
DATE: MARCH 6, 2026
SIGNED: N Chiasson
INSPECTION SERVICES SECTION
BOILER/PRESSURE VESSEL BRANCH

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUTNOVA SCOTIA
YUKONPRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENDRESS + HAUSER GmbH+Co. KG	
MANUFACTURERS ADDRESS: DE-79689 MAULBURG, GERMANY	
PLANT LOCATIONS: GERMANY, P.R. CHINA, INDIA, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps ☒ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ . (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION - ASME B31.3
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT  Endress+Hauser People for Process Automation	
TYPE OF CONSTRUCTION FORGED ☒ WELDED ☐ WROUGHT ☒ CAST ☐ OTHER ☐ DESCRIBE OTHER:	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: - ADAPTER SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS	

DECLARATION:

I MICHAEL FREI (see note 3) employed by Endress+Hauser GmbH+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 and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS 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: Michael Frei

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths
or Notary Public: (sign) _____USE THIS SPACE FOR
OFFICIAL SEAL

This space for Regulatory Authority use	
This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0F18434.5</u>	ACCEPTED
FIO#: <u>133</u>	PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT
Notes:	C.R.N. <u>0F18434.59</u>
1. All fittings shall be registered in the name of the Manufacturer.	DATE: <u>June 13/16</u>
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.	
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.	
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	
	INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH
	Sect. 1.0 - Fittings Rev. 1 06/2003

ACI Central Inc.

20 McAulay Court, Charlottetown, PE C1A 9M7
P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation for Extension – Pressure Fitting

To: Engineering & Inspection Service

Date: 03/06/2026

From: ACI Central Inc.

Manufacturer: Endress+Hauser SE+Co. KG
Hauptstraße 1,
79689 Maulburg,
Germany

Manufacturer #: FID-15708

Subject: Provincial CRN Extension

The supporting documents for this product have been verified by ACIC and meet the Provincial requirements. Therefore, we recommend an extension for a period of 6 months.

CRN: 0F18434.5

Type of Fitting: Sensor adapters	Design Code: ASME B31.3
----------------------------------	-------------------------

Description:

Weld-In adapters, process adapters & flanges. RD52, UNI D65/D85, M24 D65, G1" Adjust., G3/4" d=29 w/o flg., G3/4" d=50 w/ flg., G1" Flush mount. (seal. taper), G1" d=60 w/flg., G1" d=53 w/o flg., Varivent F DN25-32 PN40, Varivent N DN40-162 PN40, DIN11851 DN25-DN40, DN50, SMS 1-1/2", Clamp 1-1/2", 2". 4 Plant locations

Trademark:

"Endress+Hauser", stylized "EH" in block white font enclosed in a blue shaded parallelogram shape.

Current Expiry Date: 04/26/2026	Expiry Extension Date: 10/26/2026
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This Space is for the Regulatory Authority use

Newfoundland
Labrador

Registered 0F18434.50
Date March 6, 2026
Engineering and Inspection Service
Registered by [Signature]

UNDER THE AUTHORITY OF THE
PUBLIC SAFETY ACT AND
THE BOILER, PRESSURE VESSEL AND
COMPRESSED GAS REGULATIONS

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENDRESS + HAUSER GmbH+Co. KG		
MANUFACTURERS ADDRESS: DE-79689 MAULBURG, GERMANY		
PLANT LOCATIONS: GERMANY, P.R. CHINA, INDIA, USA		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps ☒ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories I Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION - ASME B31.3	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT  Endress + Hauser People for Process Automation		TYPE OF CONSTRUCTION FORGED ☒ WELDED ☐ WROUGHT ☒ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: - ADAPTER SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS		

DECLARATION:

I MICHAEL FREI (see note 3) employed by Endress+HauserGmbH+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 and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS 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: Michael Frei

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths
or Notary Public: (sign) _____

USE THIS SPACE FOR
OFFICIAL USE

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>OF18434.5</u> FID#: <u>133</u>	Newfoundland Labrador Service NL Registered <u>OF18434.50</u> Date <u>16/06/10</u> Engineering and Inspection Services Registered by <u>[Signature]</u> UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATION/2003
Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	

ACI Central Inc.

20 McAulay Court, Charlottetown, PE C1A 9M7
P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation for Extension – Pressure Fitting

To: Blair Rawlings

Date: 03/06/2026

From: ACI Central Inc.

Manufacturer: Endress+Hauser SE+Co. KG
Hauptstraße 1,
79689 Maulburg,
Germany

Manufacturer #: FID-15708

Subject: Provincial CRN Extension

The supporting documents for this product have been verified by ACIC and meet the Provincial requirements. Therefore, we recommend an extension for a period of 6 months.

CRN: 0F18434.5

Type of Fitting: Sensor adapters

Design Code: ASME B31.3

Description:

Weld-In adapters, process adapters & flanges. RD52, UNI D65/D85, M24 D65, G1" Adjust., G3/4" d=29 w/o flg., G3/4" d=50 w/ flg., G1" Flush mount. (seal. taper), G1" d=60 w/flg., G1" d=53 w/o flg., Varivent F DN25-32 PN40, Varivent N DN40-162 PN40, DIN11851 DN25-DN40, DN50, SMS 1-1/2", Clamp 1-1/2", 2". 4 Plant locations

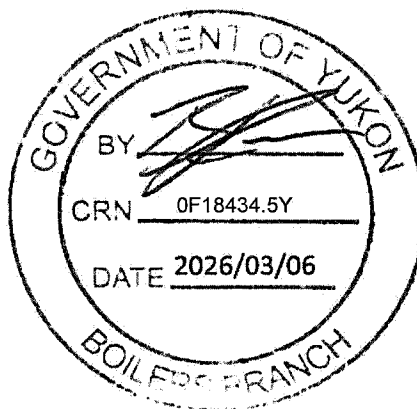
Trademark:

"Endress+Hauser", stylized "EH" in block white font enclosed in a blue shaded parallelogram shape.

Current Expiry Date: 04/26/2026

Expiry Extension Date: 10/26/2026

This Space is for the Regulatory Authority use



UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

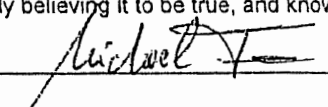
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENDRESS + HAUSER GmbH+Co. KG	
MANUFACTURERS ADDRESS: DE-79689 MAULBURG, GERMANY	
PLANT LOCATIONS: GERMANY, P.R. CHINA, INDIA, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps (F) Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION - ASME B31.3
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT Endress+Hauser  People for Process Automation	TYPE OF CONSTRUCTION FORGED ☒ WELDED ☐ WROUGHT ☒ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: - ADAPTER SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS	

DECLARATION:

I MICHAEL FREI (see note 3) employed by Endress+HauserGmbH+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 and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS 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 _____
 This _____ day of _____ AD _____
 Commissioner of Oaths
 or Notary Public: (sign) _____

USE THIS SPACE FOR
OFFICIAL STAMP

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0F18434.5</u>	
FID#: <u>133</u>	
Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	

ACI Central Inc.

20 McAulay Court, Charlottetown, PE C1A 9M7
P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation for Extension – Pressure Fitting

To: Matthias Mailman

Date: 03/06/2026

From: ACI Central Inc.

Manufacturer: Endress+Hauser SE+Co. KG
Hauptstraße 1,
79689 Maulburg,
Germany

Manufacturer #: FID-15708

Subject: Provincial CRN Extension

The supporting documents for this product have been verified by ACIC and meet the Provincial requirements. Therefore, we recommend an extension for a period of 6 months.

CRN: 0F18434.5

Type of Fitting: Sensor adapters

Design Code: ASME B31.3

Description:

Weld-In adapters, process adapters & flanges. RD52, UNI D65/D85, M24 D65, G1" Adjust., G3/4" d=29 w/o flg., G3/4" d=50 w/ flg., G1" Flush mount. (seal. taper), G1" d=60 w/flg., G1" d=53 w/o flg., Varivent F DN25-32 PN40, Varivent N DN40-162 PN40, DIN11851 DN25-DN40, DN50, SMS 1-1/2", Clamp 1-1/2", 2". 4 Plant locations

Trademark:

"Endress+Hauser", stylized "EH" in block white font enclosed in a blue shaded parallelogram shape.

Current Expiry Date: 04/26/2026

Expiry Extension Date: 10/26/2026

This Space is for the Regulatory Authority use



UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUTNOVA SCOTIA
YUKONPRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENDRESS + HAUSER GmbH+Co. KG	
MANUFACTURERS ADDRESS: DE-79089 MAULBURG, GERMANY	
PLANT LOCATIONS: GERMANY, P.R. CHINA, INDIA, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps ☒ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ . (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION - ASME B31.3
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT Endress+Hauser  People for Process Automation	
TYPE OF CONSTRUCTION FORGED ☒ WELDED ☐ WROUGHT ☒ CAST ☐ OTHER ☐ DESCRIBE OTHER:	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: - ADAPTER SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS	

DECLARATION:

I MICHAEL FREI (see note 3) employed by Endress+Hauser GmbH+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 and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS 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: Michael Frei

Declared before me at _____

This _____ day of _____ AD _____

Commissioner of Oaths
or Notary Public: (sign) _____USE THIS SPACE FOR
OFFICIAL USE:

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0F18434.5</u> FID#: <u>133</u>	 Northwest Territories REGISTERED UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT. C.R.N. <u>0F18434.5</u> SIGNED <u>[Signature]</u> DATE <u>July 14/2016</u>
Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	163.02 Sect. 1.0 - Fittings Rev. 1 06/2003

ACI Central Inc.

20 McAulay Court, Charlottetown, PE C1A 9M7
P.O. Box 53, Charlottetown, PE C1A 7K1. Phone: 902-566-1975, Fax: 902-566-3133

Recommendation for Extension – Pressure Fitting

To: Muhammad Wani

Date: 03/06/2026

From: ACI Central Inc.

Manufacturer: Endress+Hauser SE+Co. KG
Hauptstraße 1,
79689 Maulburg,
Germany

Manufacturer #: FID-15708

Subject: Provincial CRN Extension

The supporting documents for this product have been verified by ACIC and meet the Provincial requirements. Therefore, we recommend an extension for a period of 6 months.

CRN: 0F18434.5

Type of Fitting: Sensor adapters

Design Code: ASME B31.3

Description:

Weld-In adapters, process adapters & flanges. RD52, UNI D65/D85, M24 D65, G1" Adjust., G3/4" d=29 w/o flg., G3/4" d=50 w/ flg., G1" Flush mount. (seal. taper), G1" d=60 w/flg., G1" d=53 w/o flg., Varivent F DN25-32 PN40, Varivent N DN40-162 PN40, DIN11851 DN25-DN40, DN50, SMS 1-1/2", Clamp 1-1/2", 2". 4 Plant locations

Trademark:

"Endress+Hauser", stylized "EH" in block white font enclosed in a blue shaded parallelogram shape.

Current Expiry Date: 04/26/2026

Expiry Extension Date: 10/26/2026

	This Space is for the Regulatory Authority use NUNAVUT Boilers and Pressure Vessels Act REGISTERED CRN <u>0F18434.5N</u> Date <u>03/06/2026</u> Signed <u>[Signature]</u> Chief Inspector Territorial Registration Fee
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

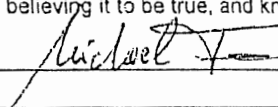
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

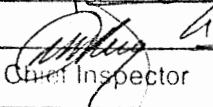
MANUFACTURERS NAME: ENDRESS + HAUSER GmbH+Co. KG	
MANUFACTURERS ADDRESS: DE-79689 MAULBURG, GERMANY	
PLANT LOCATIONS: GERMANY, P.R. CHINA, INDIA, USA	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps ☒ F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐ (Meeting CNSC or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION - ASME B31.3
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT Endress + Hauser  People for Process Automation	TYPE OF CONSTRUCTION FORGED ☒ WELDED ☐ WROUGHT ☒ CAST ☐ OTHER ☐ DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: - ADAPTER SCOPE OF CRN REGISTRATION, REPORTS, DRAWINGS, CALCULATIONS	

DECLARATION:

I MICHAEL FREI (see note 3) employed by Endress+HauserGmbH+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 and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by SQS 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 _____
 This _____ day of _____ AD _____
 Commissioner of Oaths
 or Notary Public: (sign) _____

USE THIS SPACE FOR
OFFICIAL SEAL

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance. CRN: <u>0F18434.5</u> FID#: <u>133</u> Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	NUNAVUT Boilers and Pressure Vessels Act REGISTERED CRN <u>0F18434.5N</u> Date <u>June 10, 2016</u> Signed <u></u> Chief Inspector Territorial Registration Fee