



REGISTRATION OF A PRESSURE FITTING DESIGN

January 17, 2024

6870830 Canada Inc o/a Titan Research Group
1920 Yonge Street
Suite 200
Toronto, ON
Canada
M4S 3E2

Attention: Rob McGregor

File Number: 100297

Re: Manufacturer: Endress+Hauser, Wetzler GmbH + Co KG

Item: Thermowells

**Catalog or Drawing: 10000013551 Sheets 1 to 3 Rev. A, 10000013552 Sheets 1 to 3
Rev. A, SOR-T15X-Thermowell Rev. 0**

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

0F3007.3

Expiry Date: 2034-01-17

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

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

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

Yours truly,

Liting (Frank) Huang, P.Eng.

Codes and Standards Compliance

Remarks:

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

UVZ-Nr. M02071/2023



2202 2nd Ave.
Regina, SK S4R 1K3
PH: (306)798-7112 Toll Free: (866)530-8599
FAX: (306)787-9273 Toll Free: (866)760-9255
Email: boilerpermits@tsask.ca
Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Bernd Kunert, QA Manager
QA Manager

(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Endress+Hauser, Wetzlar GmbH + Co KG
(name of manufacturer)

located at: Obere Wank 1, 87484 Nesselwang, Germany
(Plant Address – Apt/Street) (City, Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Act** (check one)

- ☐ Comply with the requirements of _____ 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 ASME B31.3- 2022 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, SMS as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are F

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

EH-T15XThermowell-Rev.0; SOR-T15X-ASME-Thermowell-REV0

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



Endress+Hauser
People for Process Automation

II. Declaration

DECLARED before me at Nesselwang in the _____ of Germany
this 12 day of December, 2023
Bernd Kunert (print name) (Signature)

(Signature of Commissioner of Oaths)

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Act** and CSA B51, Clause 4.2, and is accepted for registration in Category _____

(Registration Number)

(Date Registered – MM DD YYYY)
(For the Chief Inspector)

(Expiry Date – MM DD YYYY)



Registration No. OF3007.3

File No. 100297

Registered

Date: January 17, 2024

Expiry Date: January 17, 2034

Codes & Standards Compliance Office

TSK-1008
Rev. 10/2019
Page 1 of 1

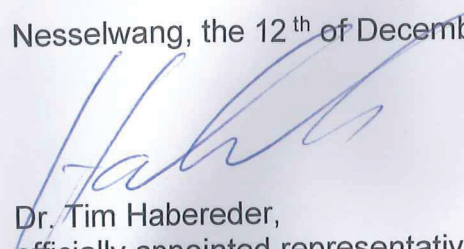
UVZ-Nr. M02071 /2023

I hereby certify that the above standing is the true signature, signed before
me of

Mr. Bernd Josef KUNERT,
born on the 22nd of December 1962,
resident 87466 Oy-Mittelberg, Hauptstraße 29,

identified through presentation of his german identification card.

Nesselwang, the 12th of December 2023.


Dr. Tim Habereder,
officially appointed representative
of the notary public Dr. Hans Michael Malzer



UK2-Nr. M02072.12023

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

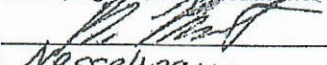
Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: Endress + Hauser Wetzer GmbH+Co KG	
Manufacturers Address: Obere Wank 1, 87484 Nesselwang, Germany	
Plant Locations: Obere Wank 1, 87484 Nesselwang, Germany	
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 - 2022
Show Manufacturers Name, Trademark, or Logo as it will appear on the product Endress+Hauser 	
Type of Construction Forged ☐ Welded ☐ Wrought ☐ Cast ☐ Other ☒ Describe other: machined	
List of supporting documentation and identification of the actual items to be registered: SOR-T15X-ASME-Thermowell-REV0; EH-T15XThermowell-Rev.0	

Declaration:

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

This 12 day of 12 AD 2023

Commissioner of Oaths

Or Notary Public: (sign)

Use this space for the Official Seal

(Affix Official seal to the right)

CRN: 0F3007.3 FID#: 2115 Notes: - All Fittings shall be registered in the name of the Manufacturer. - Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. - The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. - Quality Control programs shall be resubmitted for validation. 11/2016	This space for Regulatory Authority use. ACCEPTED PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT C.R.N. 0F3007.39 DATE: Sept 6 2024  INSPECTION/SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH - Fittings Rev.2
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Live-Nr. M02072.12023

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 Wetzler GmbH+Co KG

Manufacturers Address: Obere Wank 1, 87484 Nesselwang, Germany

Plant Locations: Obere Wank 1, 87484 Nesselwang, Germany

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)

Show Manufacturers Name, Trademark, or Logo as it will appear on the product

Endress+Hauser 

Title of the Standard of Construction

ASME B31.3 - 2022

Type of Construction

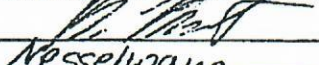
Forged ☐ Welded ☐ Wrought ☐
Cast ☐ Other ☐
Describe other:
machined

List of supporting documentation and identification of the actual items to be registered:

SOR-T15X-ASME-Thermowell-REV0; EH-T15XThermowell-Rev.0

Declaration:

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

This 12 day of 12 AD 2023

Use this space for the Official Seal

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

CRN: OF3007.3

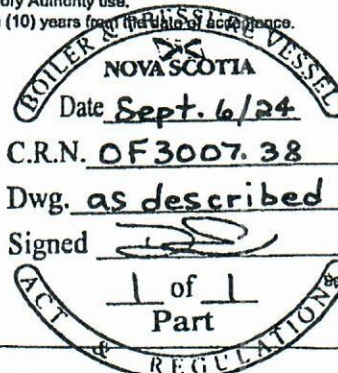
FID#: 2115

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.

11/2016

This space for Regulatory Authority use.
This registration must be revalidated after ten (10) years from the date of acceptance.



Page 1.0 - Fittings Rev.2

UV2-Nr. M02072/2023

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

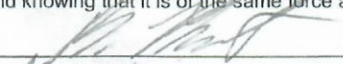
Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: Endress + Hauser Wetzer GmbH+Co KG	
Manufacturers Address: Obere Wank 1, 87484 Nesselwang, Germany	
Plant Locations: Obere Wank 1, 87484 Nesselwang, Germany	
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 - 2022
Show Manufacturers Name, Trademark, or Logo as it will appear on the product Endress+Hauser 	
Type of Construction Forged ☐ Welded ☐ Wrought ☐ Cast ☐ Other ☒ Describe other: machined	
List of supporting documentation and identification of the actual items to be registered: SOR-T15X-ASME-Thermowell-REV0; EH-T15XThermowell-Rev.0	

Declaration:

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

This 12 day of 12 AD 2023

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

CRN: <u>0F3007.3</u> FID#: <u>2115</u> Notes: - All Fittings shall be registered in the name of the Manufacturer. - Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. - The Declaration shall be made by the person having full authority and responsibility for the quality of the end product. - Quality Control programs shall be resubmitted for validation. 11/2016	This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of completion DEPT OF JUSTICE PUBLIC SAFETY BOILER & PRESSURE VESSEL ACT REGISTRATION ONLY CRN <u>0F3007.37</u>  CHIEF BOILER INSPECTOR DATE <u>9/6/24</u> Sect 10 - Fittings Rev.2
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☐ BLRs ☐ PVs

☒ FITTINGS ☐ NUCLEAR COMPONENTS

112-Nr. MO2072 12023

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

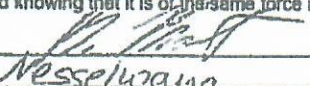
Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: <u>Endress + Hauser Wetzler GmbH+Co KG</u>	
Manufacturers Address: <u>Obere Wank 1, 87484 Nesselwang, Germany</u>	
Plant Location: <u>Obere Wank 1, 87484 Nesselwang, Germany</u>	
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 - 2022
Show Manufacturers Name, Trademark, or Logo as it will appear on the product Endress+Hauser 	
Type of Construction Forged ☐ Welded ☐ Wrought ☐ Cast ☐ Other ☐ Describe other: <u>machined</u>	
List of supporting documentation and identification of the actual items to be registered: SOR-T15X-ASME-Thermowell-REVO; EH-T15XThermowell-Rev.0	

Declaration:

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

This 12 day of 12

AD 2023

Use this space for the Official Seal

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

CRN: <u>0F3007.3</u>	This registration must be revalidated after ten (10) years from the date of acceptance.
FID#: <u>2115</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	
11/2018	Registered <u>0F3007.30</u> Date <u>Sept 6, 2024</u> Engineering and Inspection Services Registered by  UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS Sect 10 - Fittings Rev 2

412-Nr. M02072/2023

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

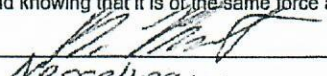
Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: Endress + Hauser Wetzer GmbH+Co KG	
Manufacturers Address: Obere Wank 1, 87484 Nesselwang, Germany	
Plant Locations: Obere Wank 1, 87484 Nesselwang, Germany	
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 - 2022
Show Manufacturers Name, Trademark, or Logo as it will appear on the product Endress+Hauser 	
Type of Construction Forged ☐ Welded ☐ Wrought ☐ Cast ☐ Other ☒ Describe other: machined	
List of supporting documentation and identification of the actual items to be registered: SOR-T15X-ASME-Thermowell-REV0; EH-T15XThermowell-Rev.0	

Declaration:

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

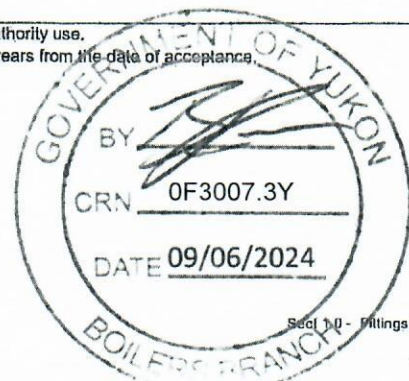
This 12 day of 12 AD 2023

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

Use this space for the Official Seal

This space for Regulatory Authority use.	
This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: 0F3007.3	
FID#: 2115	
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.	
11/2016	

Seal 1.0 - Fittings Rev.2

112-Nr. M0207212023

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick Nova Scotia Prince Edward Island Newfoundland and Labrador
Nunavut Yukon Northwest Territories

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Manufacturers Address: Obere Wank 1, 87484 Nesselwang, Germany	
Plant Locations: Obere Wank 1, 87484 Nesselwang, Germany	
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Show Manufacturers Name, Trademark, or Logo as it will appear on the product Endress+Hauser E+H	
Type of Construction Forged ☐ Welded ☐ Wrought ☐ Cast ☐ Other ☐ Describe other: machined	
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Signature of Declarer:

Declared before me at Nesselwang
This 12 day of Dec AD 2023

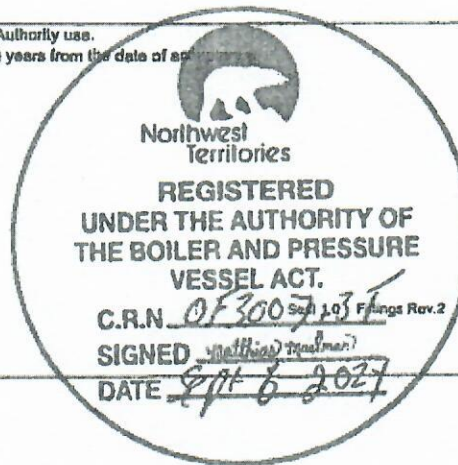
Commissioner of Oaths

Or Notary Public: (sign)

(Affix Official seal to the right)

Use this space for the Official Seal

CRN: 0F3007.3	This space for Regulatory Authority use.
FID#: 2115	This registration must be revalidated after ten (10) years from the date of registration.
Notes:	
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11/2016	



163-00

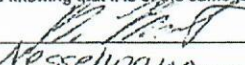
UP-N. M02072.12023

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick Nova Scotia Prince Edward Island Newfoundland and Labrador
Nunavut Yukon Northwest Territories

Manufacturers Name: Endress + Hauser Wetzor GmbH+Co KG	
Manufacturers Address: Obere Wank 1, 87484 Nesselwang, Germany	
Plant Locations: Obere Wank 1, 87484 Nesselwang, Germany	
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Signature of Declarer: 
 Declared before me at Nesselwang
 This 16 day of 12 AD 2023
 Commissioner of Oaths
 Or Notary Public: (sign)

Use this space for the Official Seal



NUNAVUT
 Boilers and
 Pressure Vessels Act

CRN: 0F3007.3
 FID#: 2115
 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.

11/2016

This space for Regulatory Authority use.
 This registration must be revalidated every 5 years from the date of acceptance.

REGISTERED

CRN 0F3007.3N
 Date Sept 06, 2024
 Signed 
 Chief Inspector Sect 1.0 - Fittings Rev 2

Territorial Registration Fee

September 28, 2024

TITAN RESEARCH GROUP
1920 Yonge Street Suite 200
Toronto, ON M4S 3E2

Dear Rob McGregor,

Re: Reciprocal CRN Registration in Manitoba

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

Your submission has been registered, as follows:

File Number: 74-R4416
CRN: 0F3007.34
Scope: 10000013551 Sheets 1 to 3 Rev. A, 10000013552 Sheets 1 to 3 Rev. A,
SOR-T15X-Thermowell Rev. 0
Manufacturer: ENDRESS + HAUSER WETZER GMBH+CO. KG
Expiry Date: 17 January 2034

Along with this letter is the invoice for registration.

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

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

Inspection and Technical Services

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

Montréal, le 31 octobre 2024.

ROB MCGREGOR
TITAN RESEARCH GROUP
1920 YONGE STREET SUITE 200
TORONTO ONTARIO
CANADA M4S 3E2

Manufacturer : ENDRESS+HAUSER, WETZER GMBH+COKG
OBERE WANK 1
NESSELWANG
GERMANY 87484

OUR REFERENCE : 943386
Design number : SOR-T15X-Thermowell Rev.0

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0F03007.36**.

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

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

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

Yours sincerely,

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

Montréal

255, boul. Crémazie Est, 2^{ième} étage
Montréal (Québec) H2M 1L5
Téléphone : 514 873-2546
Sans frais : 1 866 262-2084
enregistrementdesplans@rbq.gouv.qc.ca
www.rbq.gouv.qc.ca

LV2-Nr. M02068/2023

Régie
du bâtiment

Québec



Statutory Declaration Registration of Fittings

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

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

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

1. Fittings to register

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

N°	Description	Additional information (detail, calculations or approval sheets)
1	SOR-T15X-ASME-Thermowell-REV0	Scope of Registration Summary
2	EH-T15XThermowell-Rev.0	Technical Report
3		
4		
5		

2. Declaration of the person in charge

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

2.1 Design

I, the undersigned, Bernd Kunert Quality Manager
(Name of the person in charge) (Title of the person in charge)
 from Endress + Hauser Wetzler + CO KG Obere Wank 1, 87484 Nesselwang, Germany
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

☐ comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
 or
☒ are not covered by the ANSI/ASME codes, but are in compliance with ASME B31.3-2022
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the
 following code: ISO 9001:2015, and has been verified by SQS
(Name of code) (Authorized agency)

Signature of the person in charge: [Signature] Date (yyyy-mm-dd): 2023-12-12

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at _____, on _____.
(Location) (Date (yyyy-mm-dd)):

Signature of commissioner for oaths:

Date (yyyy-mm-dd):

Stamp the seal:

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

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.

This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.

Canadian registration number (CRN):

Registration date (yyyy-mm-dd):



Documents to attach

Any application registration for fittings must include these documents:

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

Sending the form

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

Documents must be in PDF format and in separate files.

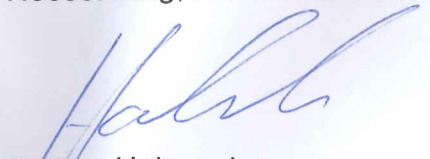
UVZ-Nr. M02068 /2023

I hereby certify that the above standing is the true signature, signed before me of

Mr. Bernd Josef KUNERT,
born on the 22nd of December 1962,
resident 87466 Oy-Mittelberg, Hauptstraße 29,

identified through presentation of his german identification card.

Nesselwang, the 12th of December 2023.


Dr. Tim Habereder,
officially appointed representative
of the notary public Dr. Hans Michael Malzer



ATTN: TITAN RESEARCH GROUP
TITAN RESEARCH GROUP
#200 1920 YONGE STREET
TORONTO ON M4S 3E6

Date: 14-Feb-2024
TSBC Account #: 069359
TSBC Admin Number: 105320
Canadian Registration Number: 0F3007.31

Re: Application for Design Registration

The design, as detailed in your Design Portal application 10000013551_TT151_CRN & 10000013552_TT152_CRN.pdf EH-T15XThermo for a Pressure Fitting is registered with the following notes and considerations:

Registered To:	Endress+Hauser, Wetzler GmbH+CoKG
Project Name:	10000013551_TT151_CRN & 10000013552_TT152_CRN.pdf EH-T15XThermo
Drawing #:	10000013551, 10000013552, SOR-T15X-Thermowell
Drawing Revision:	A,A,0

Conditions of Registration:

(1)Fitting Registration Expiry Date: 17-Jan-2034 (2) The registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of quality management system lapse before the expiry date indicated above, this registration shall become void.

Reviewer's Notes:

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

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

The Engineering Information Management Team



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

www.tssa.org

March 15, 2024

TITAN RESEARCH GROUP
1920 YONGE ST 2ND FLR
TORONTO ON M4S 3E2

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14237508
Your Reference No.:
Registered to: ENDRESS + HAUSER WETZER GMBH+CO. KG

Dear ROB MCGREGOR,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN : 0F03007.35

Main Design No.: 10000013551 Sht. 1-3 Rev.A & 10000013552 Sht. 1-3 Rev.A & SOR-T15X-Thermowell Rev.0

Expiry Date: Jan 17, 2034

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

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mehdi Talebi
Engineer, BPV
Tel. : +1 416-734-3413
Email : mtalebi@tssa.org

UVZ-Nr. M02070/2023



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

Show

, as it will

Endress+Hauser 

STATUTORY DECLARATION

Registration of Fittings

I, Bernd Kunert, QA Manager

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

of Endress+Hauser, Wetzlar GmbH + CoKG

(Name of Manufacturer)

Located at Obere Wank 1, 87484 Nesselwang, Germany

(Plant Address)

(Telephone No.)

(Fax No.)

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

(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 ASME B31.3-2022 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: 2015 which has been verified by the following authority, SQS

The items covered by this declaration, for which I seek registration, are category Category F type fittings. In support of this application, the following information and/or test data are attached as follows:

EH-T15XThermowell-Rev.0; SOR-T15X-ASME-Thermowell-REV0

Declared before me at _____ in the Nesselwang of Germany
the 12 day of December AD 2023.

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: 0F03007.35

Registered by: _____

Dated: _____

NOTE: This registration expires on: Jan 17, 2034

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: 0F03007.35

Signed: MT

Date: March 15, 2024.

*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.

PV 09553 (04/17)

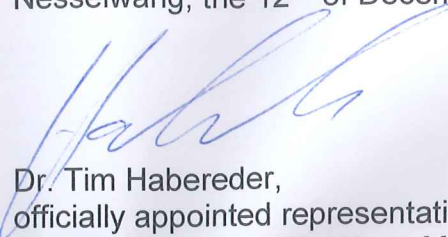
UVZ-Nr. M02070 /2023

I hereby certify that the above standing is the true signature, signed before me of

Mr. Bernd Josef KUNERT,
born on the 22nd of December 1962,
resident 87466 Oy-Mittelberg, Hauptstraße 29,

identified through presentation of his german identification card.

Nesselwang, the 12th of December 2023.


Dr. Tim Habereder,
officially appointed representative
of the notary public Dr. Hans Michael Malzer



November 06, 2025

Attention: Rob McGregor
TITAN RESEARCH GROUP
1920 YONGE STREET 2ND FLOOR
TORONTO, ON M4S 3E2

The design submission, Tracking Number 2024-05195, originally received on September 03, 2024 was surveyed and accepted for registration as follows:

CRN : 0F25670.2 **Accepted on:** November 06, 2025
Reg Type: NEW DESIGN **Expiry Date:** November 06, 2035
Document No. SOR-T15X-Thermowell, Rev 0 As Noted
Fitting type: Thermowell

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

Description	MAWP	Design Temperature
See scope of registration		

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

- This registration only covers the fittings listed on Doc. SOR-T15X-Thermowell Rev 0 and the materials listed on ASME B31.3.
- This registration includes the following drawings: DWG no. 10000013551 sheet 1-3 REV.B and 10000013552 sheet 1-3 REV.B.
- Model TT151 EN1092 Flanges are excluded from the scope of this registration.
- Per the submitter's confirmation, it is our understanding that: (1) the materials are dual certified material shown on the attached SOR-T15X-Thermowell Rev 0 and DWG no. 10000013551 REV.B and 10000013552 REV.B; (2) the design temperature may be limited by the bolting materials; (3) the design temperatures are limited to below the creep zone of the material, and it is our understanding that the manufacturer is responsible to communicate with the customer for this specific evaluation if the materials are used in the creep range per table A-1 notes and F323.4.
- Acceptance is given based on the understanding that: (1) the manufacturer must have valid QMS certificate; (2) the materials of the fitting meet the requirements of B31.3 Table A-1/1M and A-2/2M.

As indicated on AB-41 Statutory Declaration 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 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 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.

If you have any questions don't hesitate to contact me by phone at (587) 943-8741 or fax (403) 291-4545 or e-mail Zhangl@absa.ca.

Sincerely,

November 06, 2025



ZHANG, LILI, P. Eng.
DOP Cert. No. D00010626

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

I, Bernd Kunert, QA Manager
(name of applicant) (position title) (must be in a position of authority)
of Endress+Hauser, Wetzlar GmbH + CO KG
(name of manufacturer)
located at Obere Wank 1, 87484 Nesselwang, Germany
(plant address)

Endress+Hauser 

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

- ☐ comply with the requirements of _____ 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 ASME B31.3 - 2022 as supported by the
(title of code of construction or other applicable document)
attached data which identifies the dimensions, materials of construction, pressure/temperature ratings
and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been
verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated
standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for
which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	SOR-TT511, Rev. 0	ISO 9001	SEE QA CERT		SQS	see QA cert.
2.						

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

~~PRP-TA631, Rev. 0; SOR-TT544, Rev. 0~~

SOR-T15X-Thermowell -LZ

[Signature]
(Signature of the Declarer)

2. April 2024
(Date)

DECLARED before me at Seeg in the _____ of Germany
(city) (province, territory, or state)
this 2 day of April, 2024
(Month) (Year)

(print) _____
(a Commissioner of Oaths or Notary Public)

(sign) _____
(a Commissioner of Oaths or Notary Public)

(expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: _____
(province, territory, or state)

For ABSA Office Use Only:

NOTES: _____

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Part 1, Clause 4.2, and is accepted for registration in Category F.

CRN: _____

Registered Date: _____

Expiry Date: 2035-11-06

Signature: _____
(Signature of the Administrator/SCO)

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

2024-05195

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0F25670.2

See acceptance letter for conditions of registration.

Date: 2025-11-06

By: [Signature]

LILI ZHANG, P. Eng.
DOP: D00010626

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Tracking #: 2024-05195

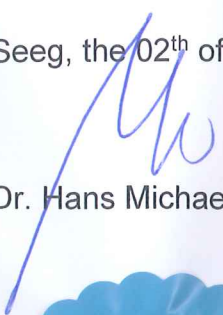
UVZ-Nr. **N00547** /2024

I hereby certify that the above standing is the true signature, signed before me of

Mr. Bernd Josef KUNERT,
born on the 22nd of December 1962,
resident in Oy-Mittelberg,
business locatet in 87484 Nesselwang, Obere Wank 1,

personally known to me.

Seeg, the 02th of April 2024


Dr. Hans Michael Malzer, notary public



2024-05195