



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

April 18, 2019

DAVIDE ERALTI
ENDRESS HAUSER SICESTHERM S.R.L
VIA MARTIN LUTHER KING 7
BORNAGO, MI 20060
IT

Service Request Type.: BPV-National AB
Service Request No.: 2467714
Your Reference No.: THERMOWELL TT131
Registered to.: ENDRESS + HAUSER WETZER GMBH+CO. KG

Dear DAVIDE ERALTI,

Please find enclosed the original response from AB, registered under the CRN No.: 0F20851.52.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org

February 15, 2019

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

Email: JKarpinski@tssa.org

The design submission, tracking number 2018-08500, originally received on December 24, 2018 was surveyed and accepted for registration as follows:

CRN : 0F20851.52

Accepted on: February 15, 2019

Reg Type: NEW DESIGN

Expiry Date: November 13, 2028

Drawing No. : SOR-TT131 Rev 0

Fitting type: THERMOWELL TT131

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

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

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is SECTION VIII, DIV. 1.

- 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.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3382 or fax (780) 437-7787 or e-mail Stojanovic@absa.ca.

Sincerely,



STOJANOVIC, STEVAN, P. Eng.
DOP Cert. No. D00008849

UENr. M01006/2018

Beglaubigte Ablichtung

AB-41 2005-02



the pressure equipment safety authority

STATUTORY DECLARATION
Registration of Fittings



Endress+Hauser

People for Process Automation

I, Bernd Kunert,

Head of Division Quality Management, QM Quality Management

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

of Endress+Hauser Wetzlar GmbH + Co. KG

(name of manufacturer)

located at Obere Wank 1, D-87484 Nesselwang, 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 _____ 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 Section VIII, div. 1 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 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 _____

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

Drawing 10000010446, Rev. A, scope of registration summary SOR-TT131-REV0

DECLARED before me at Nesselwang in the Germany of _____

this 12 day of June, 2018
(Month) (Year)

(print) _____

(sign) _____

(A Commissioner for Oaths)

(Signature of Applicant)

For Office Use Only

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: OF20851.52

STEVAN STOJANOVIC

(For the Administrator/Chief Inspector of Alberta)

Date Registered: FEB 15 2019

Expiry Date: Nov. 13, 2028

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.

URNr. M01006 /2018

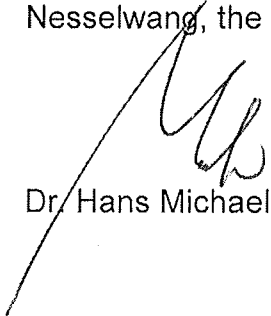
(M/cw)

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, Haupstr. 29,

identified through presentation of his german identification card.

Nesselwang, the 12th of June 2018


Dr. Hans Michael Malzer, notary



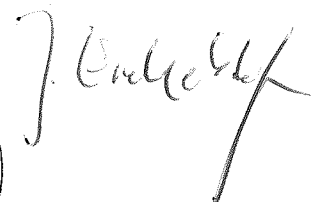
OF 20851.52

Die Übereinstimmung vorstehender Ablichtung
mit der vorliegenden Urschrift wird beglaubigt.

Füssen, den 13. JUNI 2018

Notar Vertreter







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

www.tssa.org

November 13, 2018

DAVIDE ERALTI
ENDRESS HAUSER SICESTHERM S.R.L
VIA MARTIN LUTHER KING 7
MI 20060
IT

Service Request Type: BPV-Fitting Registration
Service Request No.: 2439180
Your Reference No.: THERMOWELL TT131
Registered to: ENDRESS + HAUSER WETZER GMBH+CO. KG

Dear DAVIDE ERALTI,

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

CRN No.: 0F20851.5

Main Design No.: Dwg. No. 10000010446 Rev. A, (see the SOR-TT131-Rev.0 attachment to the Statutory Declaration Form for the scope of registration.)

Expiry Date: 13-Nov-2028

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

The stamped copy of the approved registration and the invoice are mailed separately. 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,



Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org

URNr. M01004/2018

Beglaubigte Ablichtung



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



Endress+Hauser

People for Process Automation

STATUTORY DECLARATION

Registration of Fittings

I, Bernd Kunert Head of Division Quality Management, QM Quality Management
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Endress+Hauser Wetzlar GmbH + Co. KG
(Name of Manufacturer)

Located at Obere Wank 1, D-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 Section VIII, div. 1** 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 F type fittings. In support of this application, the following information and/or test data are attached as follows:

Drawing 10000010446, Rev. A, scope of registration summary SOR-TT131-REV0

(drawings, calculations, test reports, etc.)

Declared before me at Nesselwang, Germany in the

the 12 day of June AD 20 18.

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 4F1

CRN:

Registered by:

Dated:

NOTE: This registration expires on:

PV 09551 109118

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.

Signed:

Date:

NOTE: SEE THE ATTACHMENT FOR THE SCOPE OF REGISTRATION
Nov. 13/18

Scope of Registration Summary - SOR-TT131-REV0

Product: Thermowell TT131

Drawings: 10000010446

Code: ASME B31.3

Table A

Thermowell Product	Type	Size	MAWP	Temp. (°F)
Flange	B16.5	1" Class 150 1 1/2" Class 150 2" Class 150 1" Class 300 2" Class 300	Group 2.3 ASME B16.5	-20 to 850
Weld in Adaptor	Cylindrical	D9×10000mm D11×10000mm	table B	-20 to 1000
Threaded	ISO228	G1/2", G3/4", G1"	table B	-20 to 1000
	B1.20.1	NPT 1/2", NPT 3/4", NPT 1"	table B	-20 to 1000

Table B

Thermowell type	Type	Size	Material	Temp. (°F)	MAWP (psi)
Weld in Adaptor & Threaded	Cylindrical & ISO228 & B1.20.1	9 × 6.5	316L	100	3330
		9 × 6.5	316Ti		3190
		11 × 7	316L		4909
		11 × 7	C276		6230
		9 × 6.5	316L	800	1521
		11 × 7	316L		2311
		9 × 6.5	316Ti	1000	2219
		11 × 7	C276		3719



Label NOV. 15/18

Endress+Hauser, Wetzer GmbH + Co KG Obere Wank 1 87484 Nesselwang Germany

Central Function	Field of activity	Scope(s)	Norm / Revision	Reg. no.	Validity
Endress+Hauser, Wetzer GmbH + Co KG Obere Wank 1 87484 Nesselwang Germany	Development and production of Temperature transmitter Thermometer Temperature Engineered Solutions System components	19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10633	17. 11. 2016 16. 11. 2019
Locations	Field of activity	Scope(s)	Norm / Revision	Reg. no.	Validity
Endress+Hauser, Wetzer (Suzhou) Co. Ltd. 465 Su-Hong-Zhong-Lu China-Singapore Industrial Park Suzhou, Jiangsu Province China	Development and production of Temperature transmitter Thermometer Temperature Engineered Solutions System components	19	ISO 9001:2015	10633	17. 11. 2016 16. 11. 2019
Endress+Hauser, Wetzer USA INC. 2350 Endress Place Greenwood, United States of America	Development and production of Temperature transmitter Thermometer Temperature Engineered Solutions System components	19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10633	17. 11. 2016 16. 11. 2019
Endress + Hauser Pyrotemp Ltd. Cnr. Rotterdam Road and Milan Place APEX Ext 3 Benoni 1500 South Africa	Development and production of Temperature transmitter Thermometer Temperatur Engineered Solutions System components	19	ISO 9001:2015	10633	17. 11. 2016 16. 11. 2019
Endress+Hauser, Wetzer (India) Private Limited M-171 to 173, MIDC, Waluj, Aurangabad 431136 India	Development and production of Temperature transmitter Thermometer Temperature Engineered Solutions System components	19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10633	17. 11. 2016 16. 11. 2019
Endress+Hauser Sicestherm S.r.l. Via Martin Luther King, 7 20060 Bornago (MI) Italy	Development and production of Temperature transmitter Thermometer Temperature Engineered Solutions System components	19	ISO 14001:2015 OHSAS 18001:2007	39531	17. 11. 2016 16. 11. 2019

THIS IS PART OF
CRN **072085/5**
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program
lital nov. 13/18

X. Edelmann
X. Edelmann, President SQS

R. Glauser
R. Glauser, CEO SQS



Swiss Association for Quality and
Management Systems SQS
Bernstrasse 103, 3052 Zollikofen, Swiss





345 Carlingview Drive
Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
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www.tssa.org

March 18, 2019

DAVIDE ERALTI
ENDRESS HAUSER SICESTHERM S.R.L
VIA MARTIN LUTHER KING 7
BORNAGO, MI 20060
IT

Service Request Type.: BPV-National ACI Central
Service Request No.: 2467726
Your Reference No.: THERMOWELL TT131
Registered to.: ENDRESS + HAUSER WETZER GMBH+CO. KG

Dear DAVIDE ERALTI,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU,, registered under the CRN No.: 0F20851.59870YTN.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org



345 Carlingview Drive
Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
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October 07, 2019

DAVIDE ERALTI
ENDRESS HAUSER SICESTHERM S.R.L
VIA MARTIN LUTHER KING 7
BORNAGO, MI 20060
IT

Service Request Type.: BPV-National BC
Service Request No.: 2467716
Your Reference No.: THERMOWELL TT131
Registered to.: ENDRESS + HAUSER WETZER GMBH+CO. KG

Dear DAVIDE ERALTI,

Please find enclosed the original response from BC, registered under the CRN No.: 0F20851.51.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org



Suite 600 - 2889 E 12th Ave
Vancouver, BC V5M 4T5

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

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

Date: January 27, 2019
Account #: 35231
Journal #: 72436

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2467716, for a Fitting is accepted for registration as follows:

Registered To: ENDRESS + HAUSER WETZER **CRN:** 0F20851.51
GMBH+CO KG

Drawing #: 10000010446

Drawing Revision: A

Conditions Of Registration:

Registration of Thermowell TT131 Products as per attached SOR.

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 November 13, 2028. 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.

Emilia Tam

emilia.tam@technicalsafetybc.ca
Design Administration

cc:

Scope of Registration Summary - SOR-TT131-REV0

Product: Thermowell TT131

Drawings: 10000010446

Code: ASME B31.3

Table A

Thermowell Product	Type	Size	MAWP	Temp. (°F)
Flange	B16.5	1" Class 150 1 1/2" Class 150 2" Class 150 1" Class 300 2" Class 300	Group 2.3 ASME B16.5	-20 to 850
Weld in Adaptor	Cylindrical	D9×10000mm D11×10000mm	table B	-20 to 1000
Threaded	ISO228	G1/2", G3/4", G1"	table B	-20 to 1000
	B1.20.1	NPT 1/2", NPT 3/4", NPT 1"	table B	-20 to 1000

Table B

Thermowell type	Type	Size	Material	Temp. (°F)	MAWP (psi)
Weld in Adaptor & Threaded	Cylindrical & ISO228 & B1.20.1	9 × 6.5	316L	100	3330
		9 × 6.5	316Ti		3190
		11 × 7	316L		4909
		11 × 7	C276		6230
		9 × 6.5	316L	800	1521
		11 × 7	316L		2311
		9 × 6.5	316Ti	1000	2219
		11 × 7	C276		3719



CRN #: 0F20851.51
Date: JAN 25, 2019
BC J#: 72436



Label NOO. 15/18

Endress+Hauser, Wetzer GmbH + Co KG

Obere Wank 1

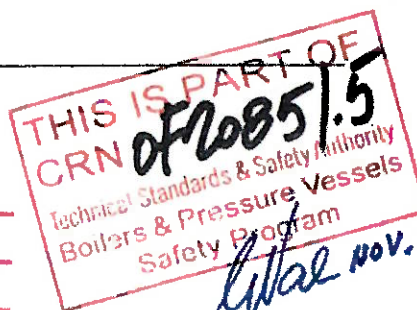
87484 Nesselwang

Germany

Central Function	Field of activity	Scope(s)	Norm / Revision	Reg. no.	Validity
Endress+Hauser, Wetzer GmbH + Co KG Obere Wank 1 87484 Nesselwang Germany	Development and production of Temperature transmitter Thermometer Temperature Engineered Solutions System components	19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10633	17.11.2016 16.11.2019
Locations	Field of activity	Scope(s)	Norm / Revision	Reg. no.	Validity
Endress+Hauser Wetzer (Suzhou) Co. Ltd. 465 Su-Hong-Zhong-Lu China-Singapore Industrial Park Suzhou, Jiangsu Province China	Development and production of Temperature transmitter Thermometer Temperature Engineered Solutions System components	19	ISO 9001:2015	10633	17.11.2016 16.11.2019
Endress+Hauser Wetzer USA INC. 2350 Endress Place Greenwood, United States of America	Development and production of Temperature transmitter Thermometer Temperature Engineered Solutions System components	19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10633	17.11.2016 16.11.2019
Endress + Hauser Pyrotemp Ltd. Cnr. Rotterdam Road and Milan Place APEX Ext 3 Benoni 1500 South Africa	Development and production of Temperature transmitter Thermometer Temperatur Engineered Solutions System components	19	ISO 9001:2015	10633	17.11.2016 16.11.2019
Endress+Hauser Wetzer (India) Private Limited M-171 to 173, MIDC, Waluj, Aurangabad 431136 India	Development and production of Temperature transmitter Thermometer Temperature Engineered Solutions System components	19	ISO 9001:2015 ISO 14001:2015 OHSAS 18001:2007	10633	17.11.2016 16.11.2019
Endress+Hauser Sicestherm S.r.l. Via Martin Luther King, 7 20060 Bornago (MI) Italy	Development and production of Temperature transmitter Thermometer Temperature Engineered Solutions System components	19	ISO 14001:2015 OHSAS 18001:2007	39531	17.11.2016 16.11.2019



CRN #: OF20851.51
Date: JAN 25, 2019
BC J#: 72436



X. Edelmann
X. Edelmann, President SQS

R. Glauser
R. Glauser, CEO SQS



sqs.ch



Swiss Association for Quality and
Management Systems SQS
Bernstrasse 103, 3052 Zollikofen, Swiss



Partner of





Montréal, 28-Janvier-2019

DAVID ERALTI
ENDRESS+HAUSER SICESTHERM S.R.L.
VIA MARTIN LUTHER KING 7
BORNAGO MI
ITALY 20060

Fabricant : ENDRESS+HAUSER, WETZER GMBH+COKG
OBERE WANK 1
NESSELWANA
GERMANY DE-87484

Numéro de dossier : 953051
Numéro(s) de dessin (s) : 10000010446 REV A

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

Monsieur,

La Régie du bâtiment du Québec (RBQ) vous informe que votre demande d'enregistrements de plans et devis a été traitée et que cette conception a été enregistrée sous le numéro d'enregistrement canadien (NEC\CRN) : 0F20851.56

Nous portons à votre attention cette exigence applicable à la réglementation sur les appareils sous pression et des codes et normes qui y sont associés :

- Le constructeur doit maintenir un système de contrôle de la qualité valide pour fabriquer selon ce NEC.

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

Salutations distinguées,

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



Montréal, 28-January-2019

DAVID ERALTI
ENDRESS+HAUSER SICESTHERM S.R.L.
VIA MARTIN LUTHER KING 7
BORNAGO MI
ITALY 20060

Manufacturer : ENDRESS+HAUSER, WETZER GMBH+COKG
OBERE WANK 1
NESSELWANA
GERMANY DE-87484

Our reference : 953051
Design number : 10000010446 REV A

Subject: Registration of designs – Confirmation of approval

Dear Sir,

The Régie du bâtiment du Québec (RBQ) informs you that your application for the registration of designs has been evaluated and that the design was registered under the Canadian Registration Number (CRN\NEC) : 0F20851.56

We bring your attention this requirement of the regulation respecting pressure vessels, and the codes and standards adopted:

- The manufacturer must maintain a valid quality control program to produce according to the CRN.

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

Yours sincerely,

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

REGISTRATION OF A PRESSURE FITTING DESIGN

01-Mar-19

Endress + Hauser Sigestherm S.R.L.
Via Martin Luther King 7
Bornago (MI), Italy, 20060

Attention: Davide Eralti**File Number: 11042 [0 F]**

Re: Manufacturer: Endress + Hauser, Wetzer GmbH + CoKG
Item: TT131 Series Thermowells
Catalog or Drawing: 10000010446 Rev. A, Scope of Registration Summary SOR-TT131-REV0

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:

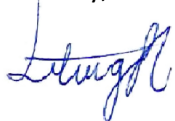
OF20851.53 **Expiry Date: November 13, 2028**

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

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

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

Yours truly,



Liting (Frank) Huang, Engineer-in-Training
Codes and Standards Compliance

Remarks:

CRN registered under reciprocal agreement.