

November 02, 2017

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

Email: tfrancis@tssa.org

The design submission, tracking number 2017-06575, originally received on October 19, 2017 was surveyed and accepted for registration as follows:

CRN : 0F16900.52 **Accepted on:** November 02, 2017
Reg Type: ADDITION TO ACC. FITTING **Expiry Date:** June 26, 2024
Drawing No. : MODELS KM26,EC,MW05 MAGWAVE & ECONOLEV LMG100
Fitting type: LIQUID LEVEL GAUGES
Design registered in the name of : ABB INC

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

TSSA SR# 2175128

- Change of the manufacturing location and CRN ownership only. There is no change in design or the scope of registration.

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

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,

Zana Radisavljevic

RADISAVLJEVIC, ZANA, P. Tech. (Eng.)
DOP Cert. No. D00003136

**STATUTORY DECLARATION
Registration of Fittings**

I, Mr. Steve Hunsberger, Manager Quality Assurance
(name of applicant) (position title) (must be in a position of authority)
of ABB Inc.
(name of manufacturer)
located at 125 East County Line Road, Warminster, PA, 18974 USA
(plant address)

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



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

- ☒ comply with the requirements of ASME B31.1 and B31.3 Standards 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
(title of code of construction or other applicable document)
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, DNV GL -- Business Assurance s being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

Category F

(brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached:
Report 0119-0002-SAR; Data Sheets for KM26, EC, Econolev LMG100 and MW05 MagWave

DECLARED before me at WARMINSTER PA in the COUNTY of BUCKS
(city) (province or state)
this 16 day of JUNE, 2017
(Month) (Year)

(print)

(a Commissioner of Oaths or Notary Public)

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

CHRISTINE FUREY, Notary Public

Warminster Township, Bucks County

My Commission Expires April 20, 2019

(sign)

(a Commissioner of Oaths or Notary Public)

(signature of applicant)

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, Clause 4.2, and is accepted for registration in Category F

Registration Number: 0 F 1 6 9 0 0 . 5 2

(Signature of the Administrator/SCO)

Date Registered: NOV 02 2017

Expiry Date: Jan 26, 2024

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.

SCOPE OF CRN REVISION

ORIGINAL CRN: 0F16900.5C

ABB MODELS REGISTERED: KM26/EC/Econolev/MagWave

REASON FOR CRN REVISION: Original manufacturing location will cease production at the end of the year. Production is being moved to the following ABB location:

125 E. County Line Road
Warminster, PA, USA
18974-4995

There is no change to the registered design; this is a change in manufacturing location only. The CRN needs to be revised such that the new manufacturing location has been added to the CRN and the owner of the CRN is changed to this location as well.

ABSA	
SAFETY CODES ACT - PROVINCE OF ALBERTA	
REGISTRATION OF FITTINGS	
REGISTRATION NO.	0 F 1 6 9 0 0 . 5 2
DWG. NO. or CAT. NO.	<i>As per above scope</i>
TYPE OF FITTINGS	<i>Liquid Level Gauges</i>
NOV 02 2017	<i>Jana R.</i>
Date	ZANA RADISAVLJEVIC, DESIGN SURVEYOR

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

Date: November 8, 2017
Account #: 35231
Journal #: 69274

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2175138, for a Fitting is accepted for registration as follows:

Registered To: ABB INC

CRN: 0F16900.51

Drawing #: Data Sheets & Summary Report

Conditions Of Registration:

Liquid Level Gauges KM26, MW05, Magwave, EC Chamber & Econolev LMG100.

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:

Update of reg'n party+mfg loc'n per att'd scope sheet. No change in design or scope of registration. As required by CSA B51 4.2.1, this registration expires on June 26, 2024. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid Q.C. program verified by an acceptable third-party agency until that date. Should the certification of the Q.C. 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@technicalsafetybc.ca
Design Administration

cc:

SCOPE OF CRN REVISION

ORIGINAL CRN: 0F16900.5C

ABB MODELS REGISTERED: KM26/EC/Econolev/MagWave

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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUTNOVA SCOTIA
YUKONPRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURER'S NAME: ABB Inc.	
MANUFACTURER'S ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA	
PLANT LOCATIONS: Pennsylvania, 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 <input checked="" type="checkbox"/> 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 kettle plugs H Pressure retaining components that do not fall into one of the above categories I Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting ASCE or ASME requirements)	
TITLE OF THE STANDARD OR STANDARDS ASME B31.1 and B31.3 Standards	
SHOW MANUFACTURER NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT <div style="text-align: center; font-size: 2em; font-weight: bold;">ABB</div>	
TYPE OF CONNECTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: Compression Fittings	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Report 0119-0002-SAR; Data Sheets for KM26, EQ, Econolev LMG100 and MW05 MagWave	

DECLARATION:

I, Mr. Steve Hunsberger (name) employed by ABB Inc. 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 DNV GL - Business Assurance 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 16 day ofCommissioner of Oaths
or Notary Public: (sign)

(Affix Official seal to the right)

COMMONWEALTH OF PENNSYLVANIA


 U S E T H I N O T A R Y P U B L I C F O R
 CHRISTINE SUREY, Notary Public
 Warminster Township, Bucks County
 My Commission Expires April 20, 2019

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0F16900.5 ADD1</u> FIDR: <u>15499</u>	ACCEPTED PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT C.S.N. <u>0F16900.5 9 ADD1</u> DATE: <u>Oct 27, 2017</u> <u>James J. McCabe</u> INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH
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.	

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUTNOVA SCOTIA
YUKONPRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

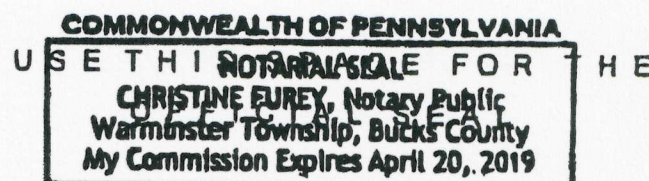
MANUFACTURERS NAME: ABB Inc.	
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PLANT LOCATIONS: Pennsylvania, USA	
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SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: Compression Fittings
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Report 0119-0002-SAR; Data Sheets for KM26, EC, Econolev LMG100 and MW05 MagWave	

DECLARATION:

I, Mr. Steve Hunsberger (see note 3) employed by ABB Inc. 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 DNV GL - Business Assurance 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 WARMINSTER PAThis 16 day of JUNE AD 2017Commissioner of Oaths
or Notary Public: (sign) 

(Affix Official seal to the right)



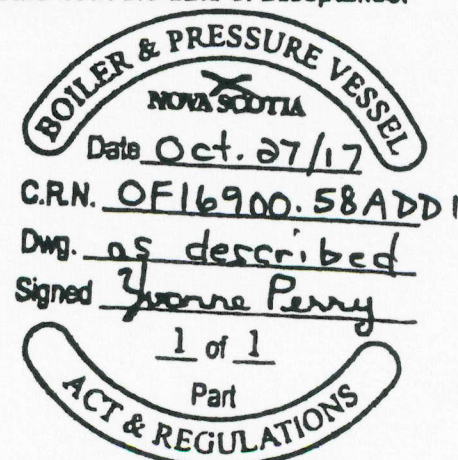
This space for Regulatory Authority use

This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OF16900.5 ADD1FID#: 15499

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.



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: ABB Inc.	
MANUFACTURERS ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA	
PLANT LOCATIONS: Pennsylvania, 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 <input checked="" type="checkbox"/> 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 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting AECB or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.1 and B31.3 Standards
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT <div style="text-align: center; font-size: 2em; font-weight: bold;">ABB</div>	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: Compression Fittings
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Report 0119-0002-SAR; Data Sheets for KM26, EC, Econolev LMG100 and MW05 MagWave	

DECLARATION:

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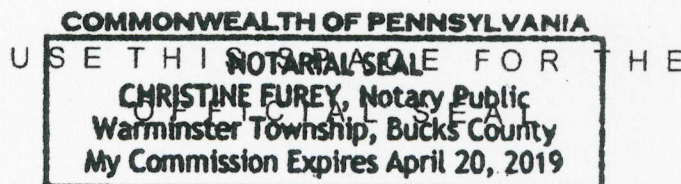
Signature of Declarer: [Signature]

Declared before me at WARMINSTER PA

This 16 day of JUNE AD 2017

Commissioner of Oaths
or Notary Public: (sign) [Signature]

(Affix Official seal to the right)



<p style="text-align: center;">This space for Regulatory Authority use</p> <p style="text-align: center;">This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>OF16900.5 ADD1</u></p> <p>FID#: <u>15499</u></p> <p>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.</p>	<p style="text-align: center;">COMMONWEALTH OF PENNSYLVANIA</p> <p style="text-align: center;">USE THIS NOTARIAL SEAL FOR THE</p> <p style="text-align: center;">CHRISTINE EUREY, Notary Public Warminster Township, Bucks County My Commission Expires April 20, 2019</p> <p style="text-align: center;">NEW BRUNSWICK DEPT OF PUBLIC SAFETY BOILER & PRESSURE VESSEL ACT</p> <p style="text-align: center;">REGISTRATION ONLY</p> <p>CRN <u>OF16900.57Add1</u></p> <p>EXAMINER: <u>[Signature]</u> for CHIEF BOILER INSPECTOR</p> <p>DATE: <u>10/27/2017</u></p> <p style="text-align: center;"> <input type="checkbox"/> BLRs <input type="checkbox"/> PVs <input checked="" type="checkbox"/> FITTINGS <input type="checkbox"/> COMPONENTS </p>
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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

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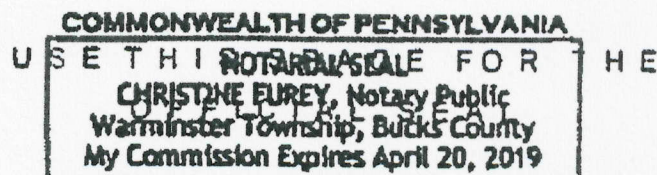
Signature of Declarer: [Signature]

Declared before me at WARMINSTER PA

This 16 day of JUNE AD 2017

Commissioner of Oaths
or Notary Public: (sign) [Signature]

(Affix Official seal to the right)



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This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0F16900.5 ADD1

FID#: 15499

Notes:

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4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

Newfoundland
 Labrador
 Service NL
 Registered 0F16900.50 ADD1
 Date 17/10/27
 Engineering and Inspection Services
 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

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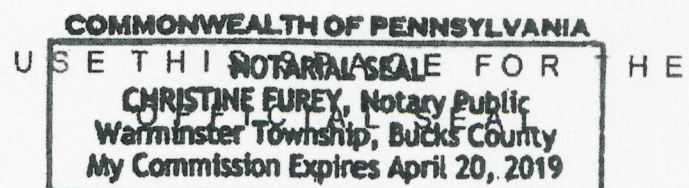
Signature of Declarer: [Signature]

Declared before me at WARMINSTER PA

This 16 day of JUNE AD 2017

Commissioner of Oaths
or Notary Public: (sign) [Signature]

(Affix Official seal to the right)



This space for Regulatory Authority use

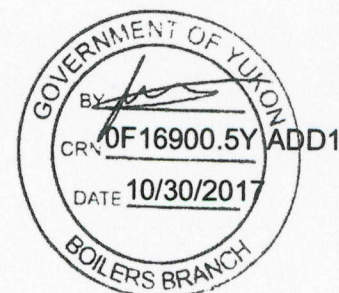
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FID#: 15499

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NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
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NEWFOUNDLAND AND LABRADOR

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LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Report 0119-0002-SAR; Data Sheets for KM26, EC, Econolev LMG100 and MW05 MagWave	

DECLARATION:

I Mr. Steve Hunsberger (see note 3) employed by ABB Inc. 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 DNV GL -- Business Assurance 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.

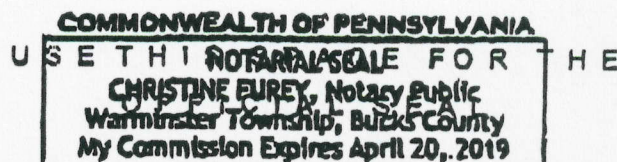
Signature of Declarer: 



Declared before me at WARMINSTER PA

This 16 day of JUNE AD 2017

Commissioner of Oaths
or Notary Public: (sign) 

(Affix Official seal to the right)



This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>OF16900.5 ADD1</u> FID#: <u>15499</u>	 REGISTERED UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT. C.R.N. <u>OF16900.5T ADD1</u> SIGNED  DATE <u>OCT 30 2017</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.	

982.00

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

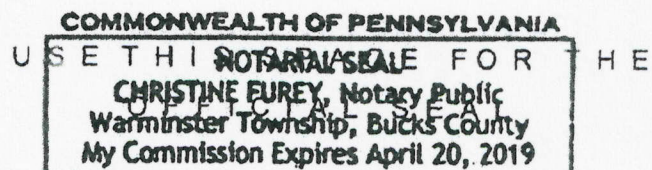
NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ABB Inc.	
MANUFACTURERS ADDRESS: 125 East County Line Road, Warminster, PA, 18974 USA	
PLANT LOCATIONS: Pennsylvania, 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 <input checked="" type="checkbox"/> 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 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.1 and B31.3 Standards
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT <div style="text-align: center; font-size: 2em; font-weight: bold;">ABB</div>	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> DESCRIBE OTHER: Compression Fittings
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: Report 0119-0002-SAR; Data Sheets for KM26, EC, Econolev LMG100 and MW05 MagWave	

DECLARATION:

I Mr. Steve Hunsberger (see note 3) employed by ABB Inc. 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 DNV GL -- Business Assurance 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: [Signature]
 Declared before me at WARMINSTER PA
 This 16 day of JUNE AD 2017
 Commissioner of Oaths or Notary Public: (sign) [Signature]
 (Affix Official seal to the right)



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.	<p style="text-align: center;">This space for Regulatory Authority use</p> <p style="text-align: center;">This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>CRN: <u>OF16900.5 ADD1</u></p> <p>FID#: <u>15499</u></p> <p style="text-align: center;">NEW BRUNSWICK NUNAVUT</p> <p style="text-align: center;">REGISTERED</p> <p>OF 16900.5 NAdd1</p> <p>Date: <u>OCT 27, 2017</u></p> <p>Signed: <u>[Signature]</u></p> <p style="text-align: center; font-weight: bold;">Territorial Registration Fee</p>
---	--



Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg Manitoba R3C 0P8

T (204) 945-3373

F (204) 948-2309

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

January 5, 2018

TSSA
345 Carlingview Drive
Toronto, ON
M9W 6N9

Attn: Tanya Francis

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: ABB Inc.

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
Change of MFG location	0F16900.54	38400

An invoice covering survey and registration fees is enclosed.

NOTES:

- 1. CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA. This registration expires **June 26, 2024**.*

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

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

ABB

STATUTORY DECLARATION

Registration of Fittings

I, Mr. Steve Hunsberger, Manager Quality Assurance

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

of ABB Inc.

(Name of Manufacturer)

Located at 125 East County Line Road, Warminster, PA, 18974 USA 215-674-6000 215-674-7183
(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 ASME B31.1 and 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, DNV GL -- Business Assurance

The items covered by this declaration, for which I seek registration, are category F -- Measuring Devices type fittings. In support of this application, the following information and/or test data are attached as follows:
Report 0119-0002-SAR; Data Sheets for KM26, EC, Econolev, MW05 MagWave

(drawings, calculations, test reports, etc.)

Declared before me at WARMINSTER PA in the COUNTY of BUCKS
the 16 day of JUNE AD 20 17.

Commissioner for Oaths:

Christine Furey
(Printed name)
COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
CHRISTINE FUREY, Notary Public
Warminster Township, Bucks County
(Signature) **My Commission Expires April 20, 2019**

[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: _____

Registered by: _____

Dated: _____

NOTE: This registration expires on: JUNE 26, 2019



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



Cecylia Garbacz, a Commissioner, etc.
City of Toronto, for the Technical
Standards & Safety Authority
Expires June 17 2020



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

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

ABB

STATUTORY DECLARATION Registration of Fittings

I, Mr. Steve Hunsberger, Manager Quality Assurance

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

of ABB Inc.

(Name of Manufacturer)

Located at 125 East County Line Road, Warminster, PA, 18974 USA

(Plant Address)

215-674-6000

(Telephone No.)

215-674-7183

(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 B31.1 and 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, DNV GL -- Business Assurance

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

Report 0119-0002-SAR; Data Sheets for KM26, EC, Econolev, MW05 MagWave

(drawings, calculations, test reports, etc.)

Declared before me at WARMINSTER PA in the COUNTY of BUCKS

the 16 day of JUNE AD 2017.

Commissioner for Oaths:

COMMONWEALTH OF PENNSYLVANIA

(Printed name)

NOTARIAL SEAL

CHRISTINE FUREY, Notary Public

Warminster Township, Bucks County

My Commission Expires April 20, 2019

(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 F1.

CRN:

0F16900.5A001

Registered by:

MARK VALCIC, P.ENG.

Dated:

AUG. 3, 2017

NOTE: This registration expires on:

JUNE 26, 2024

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.

0F16900.5A001

Signed:

Date:

AUG. 3, 2017

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

SCOPE OF CRN REVISION

ORIGINAL CRN: 0F16900.5C

ABB MODELS REGISTERED: KM26/EC/Econolev/MagWave

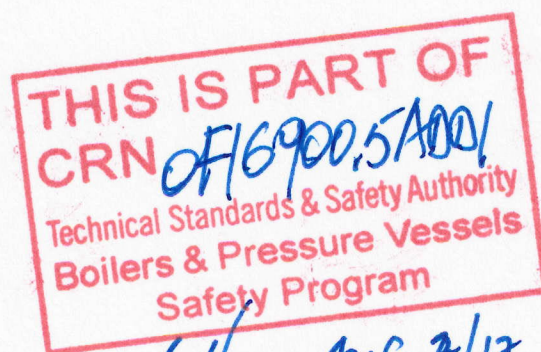
REASON FOR CRN REVISION: Original manufacturing location will cease production at the end of the year. Production is being moved to the following ABB location:

125 E. County Line Road

Warminster, PA, USA

18974-4995

There is no change to the registered design; this is a change in manufacturing location only. The CRN needs to be revised such that the new manufacturing location has been added to the CRN and the owner of the CRN is changed to this location as well.



REGISTERED



CRN: CSA-OF16900.56ADD1

Statutory Declaration Registration of Fittings

Registration Process administered by
CSA Group per CSA B51

ABB

(a) Design Qualification

I¹ Mr. Steve Hunsberger

Manager Quality Assurance

(Position eg, president, plant manager, chief eng.)

Of ABB Inc.

(name of company)

Located at 125 East County Line Road, Warminster, PA, 18974 USA

(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

☒ comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required:

Or

☐ are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with _____ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO9001:2008, and has been verified by the following authority or authorized agency DNV GL – Business Assurance

The fittings² covered by this declaration, for which I seek registration, are Category F

In support of the application, the following information, calculations and/or test data are attached:
Report 0119-0002-SAR, Data Sheets for KM26, EC, Econolev LMG100 and MW05 MagWave

Declared before me at WARMINSTER PA

In the of COUNTY of BUCKS

The 16 Day of JUNE AD 19 2017

Christine Furey
A (commissioner for oaths)

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

CHRISTINE FUREY, Notary Public
Warminster Township, Bucks County
My Commission Expires April 20, 2019

[Signature]
Signature of Declarer³

For Official Use Only

The application is accepted for registration in Category F in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

EXPIRY DATE: JUNE 26 2024

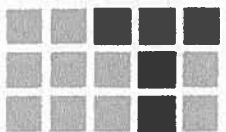
Registered Number CRN CSA-OF16900.56ADD1

For the Chief Inspector
Date NOV. 10. 2017

R. BARNES

- 1 Three completed copied of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.
- 2 All fittings are required to be registered in the name of the Manufacturer.
- 3 This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.





Technical Safety Authority of Saskatchewan

REGISTERED



CSA - OF 16900.56 ADD1

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

Registration Process administered by

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Mr. Steve Hunsberger

Manager Quality Assurance

(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: ABB Inc.

(name of manufacturer)

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



located at: 125 East County Line Road

(Plant Address - Apt/Street)

Warminster, PA, USA

(City, Prov)

18974

(Postal Code)

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

☒ Comply with the requirements of ASME B31.1 and 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 manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, DNV GL -- Business Assurance 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 ISO 9001:2008

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

Report 0119-0002-SAR; Data Sheets for KM26, EC, Econolev LMG100 and MW05 MagWave

II. Declaration

DECLARED before me at WARMINSTER PA In the COUNTY of BUCKS

this 16 day of COMMONWEALTH OF PENNSYLVANIA, 2017

NOTARIAL SEAL
CHRISTINE FUREY, Notary Public
Warminster Township, Bucks County
My Commission Expires April 20, 2019

(Print name)

(Signature of Commissioner of Oaths)

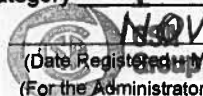
(Signature)

III. Office Use Only

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

CSA - OF 16900.56 ADD1

(Registration Number)



NOV 10 2017

(Date Registered - MM DD YYYY)
(For the Administrator / Chief Inspector)

JUNE 26 2024

(Expiry Date - MM DD YYYY)

R. BARNES



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

TSK-1008
rev. 10/2012
Page 1 of 1



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

www.tssa.org

August 03, 2017

RICHARD COOK
INR ENGINEERING LTD.
115 EATON ST.
GEORGETOWN ON L7G 5T3
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2130310
Your Reference No.: COMPANY NAME/ADDRESS CHANGE ONLY
Registered to: ABB INC

Dear RICHARD COOK,

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

CRN No.: 0F16900.5ADD1

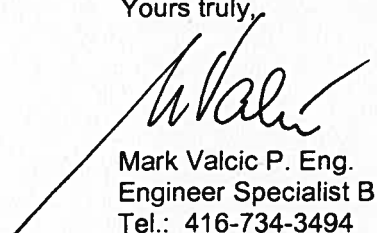
Main Design No.: ADD1: Change of the manufacturing location and CRN ownership only. There is no change in design or the scope of registration.

Expiry Date: 26-Jun-2024

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



SCOPE OF CRN REVISION

ORIGINAL CRN:

0F16900.5C

ABB MODELS REGISTERED:

KM26/EC/Econolev/MagWave

REASON FOR CRN REVISION:


Original manufacturing location will cease production at the end of the year. Production is being moved to the following ABB location:

125 E. County Line Road

Warminster, PA, USA

18974-4995

There is no change to the registered design; this is a change in manufacturing location only. The CRN needs to be revised such that the new manufacturing location has been added to the CRN and the owner of the CRN is changed to this location as well.

 **2 OF 2**

ATTACHMENT TO
C.R.N. CSA-0F16900.5C AND 1

Signed: [Signature]

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

