



COVER PAGE

CRN 0C23023.5

The following products/components and sub-assemblies are covered by the
CRN (*Canadian Registration Number*)

Products and sub-assemblies covered:

Type Designation	Incl. sub-assembly
CCMT 2 - 8	

Special conditions for use apply as follows:

Applicable for	Special condition	Applies for



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

www.tssa.org

February 24, 2021
BIN ZHANG
DANFOSS A/S
NORDBERG, SOUTH DENMARK

Service Request Type: BPV-Fitting Registration
Service Request No.: 3010438
Your Reference No.: CCMT 2-8

Dear BIN ZHANG,

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

CRN No.: 0C23023.5

Main Design No.: SEE THE ATTACHED STAMPED SCOPE OF REGISTRATION

Expiry Date: FEB 24, 2031

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,

Liliana Constantinescu, P Eng
Tel. : 416-734-3425
lconstantinescu@tssa.org

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

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

STATUTORY DECLARATION Registration of Fittings

I, Claus Juhl, Lead expert of design and approval
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Danfoss A/S
(Name of Manufacturer)

Located at Albuen 29, 6000, Kolding, Denmark +45 21159209
(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 B31.5
(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 9001:2015 which has been verified by the following authority, Bureau Veritas.

The items covered by this declaration, for which I seek registration, are category C type fittings. In support of this application, the following information and/or test data are attached as follows:
See enclosed document pack for CCMT 2-8
(drawings, calculations, test reports, etc.)

Declared before me at _____ in the _____ of _____
the 21 day of 01 AD 20 21.

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 C.

CRN: 0C23023.5

Registered by: LILIANA CONSTANTINESCU

Dated: FEBRUARY 24, 2021

NOTE: This registration expires on: FEBRUARY 24, 2031

Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0C23023.5

Signed:

Date: February 24, 2021.

*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)

FOR SCOPE OF REGISTRATION SEE THE ATTACHED STAMPED DOCUMENT



This is to certify that **Claus Juhl** today in my presence at the Notarial Office approved and signed the above document. No conspicuous corrections or addenda were found in the document.

Claus Juhl has proved his identity by showing passport.

The Court in Kolding, Denmark, 2021.01.21,

Lis Lund Pedersen
Notary Public



Scope for CRN Registration for Danfoss Components

Industrial refrigeration valves

Danfoss A/S, Business Division Refrigeration and Automatic Controls located in Kolding in Denmark is responsible for design, engineering and manufacturing of the following refrigeration components

The CRN registration should cover the valves as tabulated below. Products must be registered as **Category "C"** (Valves/Fittings registration).

Type	Description	Material of construction	Connection size	MDMT	Temp. °C (°F)	Rated pressure
CCMT 2-8	Electric regulating valves	A473-01 304	Combined Butt weld 1/2 inch and Solder 5/8 inch	-40°C / -40°F	-40°C (-40°F) to +60°C (+140°F)	140 bar / 2030 psi

THIS IS PART OF CRN
0C23023.5
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

The listed components are intended for use in refrigeration applications

The application for the Canadian National Registration must cover all Provinces and Territories.

Danfoss A/S

Senior Approval Specialist

Bin Zhang

Nordborg, Denmark

Contact information :

Bin Zhang, e-mail : zhangbin@danfoss.com, cellphone : +45 5180 8833

June 30, 2021

Attention: Bin Zhang
DANFOSS A/S
NORDBORGVEJ 81
NORDBORG, DK-6430

The design submission, tracking number 2021-03245, originally received on June 16, 2021 was surveyed and accepted for registration as follows:

CRN : 0C23023.52 **Accepted on:** June 30, 2021
Reg Type: NEW DESIGN **Expiry Date:** February 24, 2031
Drawing No. : CCMT-2-8 As Noted
Fitting type: ELECTRIC REGULATING VALVES

Description	MAWP	Design Temperature	MDMT
Internal Pressure	14000kPa	60 °C	-40 °C

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 ASME B31.5.

- 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 question don't hesitate to contact me by phone at (780) 433-0281 ext 3306 or fax (780) 437-7787 or e-mail Wangi@absa.ca.

Sincerely,



WANG, IAN, P. Eng.
DOP Cert. No. D00009643



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

I, Claus Juhl, Lead expert of design and approval
(name of applicant) (position title) (must be in a position of authority)
of Danfoss A/S
(name of manufacturer)
located at Albuen 29, 6000, Kolding, Denmark
(plant address)



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

- comply with the requirements of ASME B31.5 which specifies the dimensions, 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 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

Table with 7 columns: Item #, Product Description, Model or Series, Quality Program, Scope of Certification, Expiry Date, Verifying Organization, Location(s) Plant Name and address. Row 1: 1, Refrigeration Components, ISO 9001:2015, Design and manufactureing of valves, control and components for refrigeration, air conditioning and fluid controls, 25 April 20211, Bureau Veritas, Albuen 29, 6000, Kolding, Denmark

2021-03245

Tracking #: _____

2.						
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In support of this application, the following information, calculations and/or test data are attached:

See enclosed document packs. - CCMT 2-8

Elias Juhl

(Signature of the Declarer)

14 JUNE 2021

(Date)

DECLARED before me at _____ in the _____ of _____
(city) (province, territory, or state)
this _____ day of _____, _____
(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 _____

CRN: _____

Registered Date: _____

Expiry Date: Feb 24, 2031

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

2021-03245

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0C23023.52

See acceptance letter for conditions of registration.

Date: 2021-06-30

By:

IAN WANG, P. Eng.

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 #: 2021-03245

Table 1 Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			
CCMT 2-8	Valve Housing	A473-01 304	Combined Butt weld 1/2 inch and Solder 5/8 inch	-40°C / -40°F	140 bar / 2030 psi	140 bar / 2030 psi	N/A, Burst method	B31.5	See related doc. pack.

Table 2 Additional Scope Information

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example:
Series X Options

** For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41

2021-03245

Tracking #: _____

Montréal, le 18 septembre 2023.

KRISTINE TREPANIER
ABSA
9410-20 AVENUE
EDMONTON AB
CANADA T6N 0A4

Manufacturer : DANFOSS A/S
81 NORDBORGVEJ
NORDBORG SOUTH DENMARK
DENMARK 6430

OUR REFERENCE : 945408
Design number : CCMT-2-8
0C23023.52

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): **0C23023.56**.

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

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

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

Yours sincerely,

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

Montréal

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

Statutory Declaration Registration of Fittings

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

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

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

1. Fittings to register

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

N°	Description	Additional information (detail, calculations or approval sheets)
1	Electric regulating valves	CCMT 2-8
2		
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, Bin Zhang Senior Approval Specialist
(Name of the person in charge) (Title of the person in charge)

from Danfoss A/S, located at Nordborgvej 81, 6430, Nordborg, Denmark
(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 _____
(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 Bureau Veritas
(Name of code) (Authorized agency)

Signature of the person in charge: Bin Zhang Date (yyyy-mm-dd): 2023-06-13

Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at Koldmug, on 2023-06-13.
(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 mandatory in order to submit an application registration of fittings.

Application registration for fittings must only be sent by mail to this address:

Bureau d'expertise et d'homologation en équipements sous pression
Régie du bâtiment du Québec
545, boulevard Crémazie Est, 7^e étage
Montréal (Québec) H2M 2V2


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: Danfoss A/S	
Manufacturers Address: Norborgvej 81, 6430, Nordborg, Denmark	
Plant Locations: Norborgvej 81, 6430, Nordborg, Denmark	
<p align="center">Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p><input checked="" type="checkbox"/> C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)</p>	<p align="center">Title of the Standard of Construction</p> <p>ASME B31.5</p> <p>Category of fittings: C - Valves</p>
Show Manufacturers Name, Trademark, or Logo as it will appear on the product	
	
<p align="center">Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input checked="" type="checkbox"/></p> <p>Cast <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Describe other:</p>	
<p>List of supporting documentation and justification of the actual items to be registered:</p> <p>see enclosed document packs. - CCMT 2-8</p>	

Declaration:

I, Christian Dall Larsen, Senior Director of Product Management (see note 3) employed by Danfoss A/S 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 Bureau Veritas 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: Bin Zhang

Declared before me at London


This 13 day of June AD 2023

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

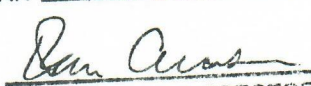
Use this space for the Official Seal


New Brunswick / **Nouveau Brunswick**

**DEPT OF JUSTICE PUBLIC SAFETY
 BOILER & PRESSURE VESSEL ACT**

REGISTRATION ONLY

CRN OC23023.57


CHIEF BOILER INSPECTOR
Sect 1.0 - Fittings Rev.2

DATE 8/25/23

BLRs PVs
 FITTINGS NUCLEAR COMPONENTS

CRN: <u>OC23023.5</u> FID#: <u>1348</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. Scope: electric regulating valves. 11/2016 140bar/2030psi @ -40C/-40F to 60C/140F. SS construction.	This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.
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CRN expires Feb.24th, 2031 (DGallant)



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: Danfoss A/S	
Manufacturers Address: Norborgej 81, 6430, Nordborg, Denmark	
Plant Locations: Norborgej 81, 6430, Nordborg, Denmark	
<p>Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p><input checked="" type="checkbox"/> C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p>Title of the Standard of Construction</p> <p>ASME B31.5</p> <p>Category of fittings: C - Valves</p>
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <p style="text-align: center;"></p>	
<p>Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input checked="" type="checkbox"/></p> <p>Cast <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Describe other:</p>	
<p>List of supporting documentation of the actual items to be registered:</p> <p>see enclosed document packs. - CCMT 2-8</p>	

Declaration:

I, Christian Dahl Larsen, Senior Director of Product Management (see note 3) employed by Danfoss A/S 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 Bureau Veritas 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: Bin Zhang
Declared before me at London
This 13 day of June AD 2023
Commissioner of Oaths
Or Notary Public: (sign) _____

Use this space for the Official Seal

(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: OC23023.5
FID#: 1348
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.
Scope: electric regulating valves.
11/2018 140bar/2030psi @ -40C/-40F to 60C/140F. SS construction.
CRN expires Feb.24th, 2031 (DGallant)

NOVA SCOTIA
Date Aug. 25/23
C.R.N. OC23023.58
Dwg. as described
Signed [Signature]
1 of 1 Part

1.0 - Fittings Rev.2




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: Danfoss A/S	
Manufacturers Address: Nørborgvej 81, 6430, Nørborg, Denmark	
Plant Locations: Nørborgvej 81, 6430, Nørborg, Denmark	
Category of Fittings to be registered. Circle one Category only	
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers	Title of the Standard of Construction ASME B31.5
B Flanges: all flanges	
<input checked="" type="checkbox"/> C Valves: all line valves	Category of fittings: C - 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 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)	
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 type="checkbox"/> Describe other:
List of supporting documentation and identification of the actual items to be registered:	
see enclosed document packs. - CCMT 2-8	

Declaration:

I, Christian Chait Larsen, Senior Director of Product Management (see note 3) employed by Danfoss A/S 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 Bureau Veritas 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: Bin Zhang
Declared before me at London
This 13 day of June AD 2023
Commissioner of Oaths
Or Notary Public: (sign) _____

Use this space for the Official Seal

(Affix Official seal to the right)

This space for Regulatory Authority use.	
CRN: <u>0C23023.5</u>	This registration must be revalidated after ten (10) years from the date of acceptance. ACCEPTED
FID#: <u>1348</u>	PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT
Notes:	C.R.N. <u>0C23023.59</u>
1. All Fittings shall be registered in the name of the Manufacturer.	DATE: <u>August 25 2023</u>
2. Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.	<u>Jan MCCA...</u>
3. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product.	INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH
4. Quality Control programs shall be resubmitted for validation.	Scope: electric regulating valves.
11/2016 140bar/2030psi @ -40C/-40F to 60C/140F. SS construction.	CRN expires Feb.24th, 2031 (DGallant)



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: Danfoss A/S	
Manufacturers Address: Norborgvej 81, 8430, Nordborg, Denmark	
Plant Locations: Norborgvej 81, 8430, Nordborg, Denmark	
<p>Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p><input checked="" type="checkbox"/> C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p>Title of the Standard of Construction</p> <p>ASME B31.5</p> <p>Category of fittings:</p> <p>C - Valves</p>
Show Manufacturers Name, Trademark, or Logo as it will appear on the product:	
<p>Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/></p> <p>Cast <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Describe other:</p>	
<p>List of supporting documents in support of the actual items to be registered:</p> <p>see enclosed document packs. - CCMT 2-8</p>	

Declaration:

I, Dennis Dett Lorenz, Senior Director of Product Management (see note 3) employed by Danfoss A/S 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 Summa Veritas 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: Bin Zhang
Declared before me at London
This 13 day of June AD 2023
Commissioner of Oaths
Or Notary Public: (sign) _____

Use this space for the Official Seal

(Affix Official seal to the right)

<p>CRN: <u>OC23023.5</u></p> <p>FID#: <u>1348</u></p> <p>Notes:</p> <ol style="list-style-type: none"> 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. <p>Scope: electric regulating valves. 11/2018 140bar/2030psi @ -40C/-40F to 60C/140F. SS construction.</p> <p>CRN expires Feb.24th, 2031 (DGallant)</p>	<p>This space for Regulatory Authority use.</p> <p>This registration must be revalidated after ten (10) years from the date of acceptance.</p> <p>Newfoundland and Labrador</p> <p>Registered <u>OC 23023.50</u> Date <u>Aug 25, 2023</u> Engineering and Inspection Services Registered by <u>[Signature]</u></p> <p>UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS</p> <p>Red 1.0 - Fittings Rev.2</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

Manufacturers Name: Danfoss A/S	
Manufacturers Address: Norborgvej 81, 6430, Nordborg, Denmark	
Plant Locations: Norborgvej 81, 6430, Nordborg, Denmark	
<p>Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p><input checked="" type="checkbox"/> C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> , (Meeting CNSC or ASME requirements)</p>	<p>Title of the Standard of Construction</p> <p>ASME B31.5</p> <p>Category of fittings: C - Valves</p>
<p>Show Manufacturers Name, Trademark, or Logo as it will appear on the product</p> <p style="text-align: center;"></p>	
<p>Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input checked="" type="checkbox"/></p> <p>Cast <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Describe other:</p>	
<p>List of supporting documentation and identification of the actual items to be registered:</p> <p>see enclosed document packs. - CCMT 2-8</p>	

Declaration:

I, Christian Dall Larsen, Senior Director of Product Management (see note 3) employed by Danfoss A/S 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 Bureau Veritas 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: Bin Zhang
Declared before me at Edmonton
This 13 day of June AD 2023
Commissioner of Oaths
Or Notary Public: (sign) _____

Use this space for the Official Seal

(Affix Official seal to the right)

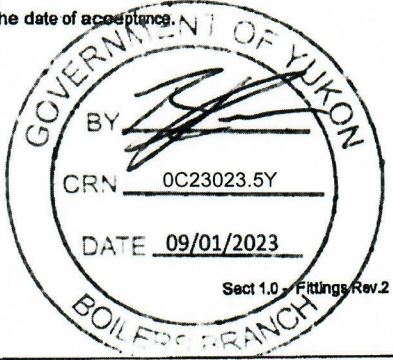
This space for Regulatory Authority use.
This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: OC23023.5
FID#: 1348

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.

Scope: electric regulating valves.
11/2016 140bar/2030psi @ -40C/-40F to 60C/140F. SS construction.
CRN expires Feb.24th, 2031 (DGallant)





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: Danfoss A/S	
Manufacturers Address: Norborgvej 81, 8430, Nordborg, Denmark	
Plant Locations: Norborgvej 81, 8430, Nordborg, Denmark	
<p>Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p><input checked="" type="checkbox"/> C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p>Title of the Standard of Construction</p> <p>ASME B31.5</p> <p>Category of fittings:</p> <p>C - Valves</p>
Show Manufacturers Name, Trademark, or Logo as it will appear on the product	
Type of Construction	
<p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/></p> <p>Cast <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Describe other:</p>	
List of supporting documents and description of the actual items to be registered:	
see enclosed document packs. - CCMT 2-8	

Declaration:

I, Olesten Dahl Larsen, Senior Director of Product Management (see note 3) employed by Danfoss A/S 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 Danfoss Valves 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: Bin Zhang
Declared before me at London
This 13 day of June AD 2023
Commissioner of Oaths
Or Notary Public: (sign) _____

Use this space for the Official Seal


(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: 0C23023.5
FID#: 1348

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.

Scope: electric regulating valves.
11/2018 140bar/2030psi @ -40C/-40F to 60C/140F. SS construction.
CRN expires Feb.24th, 2031 (DGallant)


 Northwest Territories
 REGISTERED
 UNDER THE AUTHORITY OF
 THE BOILER AND PRESSURE
 VESSEL ACT. Sect 1.0 - Fittings Rev.2
 C.R.N. 0C23023.5T
 SIGNED _____
 DATE 27th 6 2023

163.00



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: Danfoss A/S	
Manufacturers Address: Norborgvej 81, 8430, Nordborg, Denmark	
Plant Locations: Norborgvej 81, 8430, Nordborg, Denmark	
<p>Category of Fittings to be registered. Circle one Category only</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p><input checked="" type="checkbox"/> C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>I Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting CNSC or ASME requirements)</p>	<p>Title of the Standard of Construction</p> <p>ASME B31.5</p> <p>Category of fittings:</p> <p>C - Valves</p>
Show Manufacturers Name, Trademark, or Logo as it will appear on the product	
<p>Type of Construction</p> <p>Forged <input type="checkbox"/> Welded <input type="checkbox"/> Wrought <input type="checkbox"/></p> <p>Cast <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Describe other:</p>	
<p>List of supporting documentation submission of the actual items to be registered:</p> <p>see enclosed document packs. - CCMT 2-8</p>	

Declaration:

I, Christian Dall Larsen, Senior Director of Product Management (see note 3) employed by Danfoss A/S 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 Bureau Veritas 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: Bin Zhang

Declared before me at London

This 13 day of June AD 2023

Commissioner of Oaths

Or Notary Public: (sign) _____

(Affix Official seal to the right)

<p>CRN: <u>0C23023.5</u></p> <p>FID#: <u>1348</u></p> <p>Notes:</p> <ol style="list-style-type: none"> 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. <p>Scope: electric regulating valves. 11/2018 140bar/2030psi @ -40C/-40F to 60C/140F. SS construction. CRN expires Feb.24th, 2031 (DGallant)</p>	<p>Use this space for the Official Seal</p> <p></p> <p>REGISTERED</p> <p>CRN <u>DC 23023.5N</u></p> <p>Date <u>2023-08-25</u></p> <p>Signed <u>[Signature]</u></p> <p>Chief Inspector</p> <p>Territorial Registration Fee</p>
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