

**INFORMATION RELATING TO FEES APPLICABLE TO
BOILERS AND PRESSURE VESSELS IN THE
PROVINCE OF QUEBEC ***
(A-20.01, r. 1.1)

April 1, 2003

A) For the registration of the design

The manufacturer must provide, before construction, plans, specifications and calculations for all pressure vessels and boilers according to the requirements of sections 4.1.1 to 4.1.9 of the Boiler, Pressure Vessel, and Pressure Piping Code (CSA B51-M1991).

The manufacturer must provide, before using them, plans, specifications and calculations of accessories according to the requirements of sections 4.2.1 to 4.2.8 of the Boiler, Pressure Vessel, and Pressure Piping Code (CSA B51-M1991).

A fee of \$124 for the first hour or fraction of an hour and \$60.00 for each additional half-hour or fraction of a half-hour, is payable for each examination or approval of plans and specifications or of other documents relating to a pressure vessel, a boiler, an accessory, piping, or a part thereof.

A deposit of \$124 is payable for each request (each new or revised design of boilers, pressure vessels and category of accessories or a part thereof) for examination, approval, verification, registration or revision filed with the Régie du bâtiment du Québec.

The deposit is payable when the request is filed and is non-refundable. The deposit is credited to your account and covers the first hour of the review. You will be invoiced for the balance due if any.

B) For the registration of the declaration of conformity of construction (manufacturer data report)

The manufacturer shall supply the declaration of conformity of construction and:

for each vessel or boiler not subject to compulsory individual inspection under section 5.2.2 of the Boiler, Pressure Vessel, and Pressure Piping Code (CSA B51-M1991), or each boiler part or vessel part constructed outside Quebec, the fee payable for registration of the declaration is \$23.30

or

for any boiler or pressure vessel subject to an individual inspection under Clause 5.2.2 of the Boiler, Pressure Vessel, and Pressure Piping Code (CSA B51-M1991), a certificate of approval of construction of a pressure vessel is issued to the manufacturer. When a boiler or pressure vessel is subject to an individual inspection, the certificate of approval of construction shall be obtained from the manufacturer before proceeding with the installation.

The fee payable for the issuance of a certificate of approval of construction is \$46 for each vessel or boiler constructed outside Quebec and inspected during its construction by an agency recognized under section 27 of our Regulation.

MAKE DRAFT OR CHEQUE PAYABLE TO "MINISTRE DES FINANCES" (Canadian Funds only through a canadian bank). FEES ARE EXEMPT FROM TAXES.

***UNLESS OTHERWISE MODIFIED, THESE FEES WILL BE IN EFFECT UP TO MARCH 31, 2004 AND WILL BE INDEXED TO THE COST OF LIVING AS OF APRIL 1, 2004.**

For our regulation respecting pressure vessels A-20.01, r.1.1 see this web site <http://publicationsduquebec.gouv.qc.ca>.

For the CSA B 51 Boiler, Pressure vessel, and Pressure piping Code, which is referred in our regulation, see this web site <http://www.csa-international.org>.

RÉGIE DU BATIMENT DU QUÉBEC
Service de l'inspection de la fabrication
d'appareils sous pression
545, boul. Crémazie est, 4^e étage
MONTRÉAL, Québec H2M 2V2
Tél.: (514) 873-6459 / Fax.: (514) 873-9936 / sans frais : 1 866 262-2084
<http://www.rbq.gouv.qc.ca>

INFORMATION RELATED TO THE REGISTRATION OF ACCESSORIES IN COMPLIANCE WITH THE BOILERS AND PRESSURE VESSELS ACT AND C.S.A. STANDARD B51, FOR INSTALLATION IN THE PROVINCE OF QUEBEC.

In order to assist you, the following notes set out the requirements for the registration and manufacture of accessories. This document is intended to explain these requirements, it is not meant to serve as a substitute for the governing documents themselves.

GENERAL INFORMATION

Accessory :

Means any component connected to a boiler, a pressure vessel or piping among others a pipe fitting, a valve, a cock, a water, level indicator, a gauge, an injector, a regulation or control device, a rupture device and any pressure vessel not provided with a direct power source with a volume not exceeding 0.0425 cubic meter or with an interval diameter not exceeding 152 millimeters provided that it is attached to a pressure vessel or that it is part of it.

Only registered accessories shall be used on boilers, pressure vessels, and piping systems. Registration shall be obtained before any accessory is used.

All accessories shall be registered in the name of the Manufacturer only.

When required by the regulatory authority, sample accessories and any related data shall be submitted and returned at the expense of the registering party.

The regulatory authority may select and test at the manufacturer's expense any registered accessories. Should a representative selection prove to be faulty, or if any accessory does not fully comply with the requirements of the applicable Code or Standard, the registration may be cancelled immediately.

Registration:

The accessory manufacturer shall register, separately, each category (see Table 1) of accessory manufactured, with the regulatory authority in the province of manufacture. Accessories manufactured outside Canada shall be registered initially in the province where they are intended to be used first.

Subsequent to the initial registration with one regulatory authority, the registration may be accepted by the regulatory authority in another province if the second (or subsequent) authority is provided with an accepted copy of the Statutory Declaration Form, and the supporting documentation.

The manufacturer may register collectively the accessories in any category listed in table 1, except Category "H".

**TABLE 1
CATEGORIES OF ACCESSORIES**

| Category | Type of accessory |
|-----------------|--|
| A | Pipe fittings: including couplings, tees, elbows, Ys, plugs, unions, nipples, pipe caps or reducers. |
| B | Flanges: all flanges |
| C | Valves: all line valves |
| D | Expansion joints, flexible connections, and hose assemblies: all types |
| E | Strainers, filters, separators and steam traps. |
| F | Measuring devices: including pressure gauges, level gauges, sight glasses, level or pressure transmitters. |
| G | Pressure relief devices. |
| H | Pressure-retaining components that do not fall into one of the above categories. |

Supporting documentation :

All documentation shall be submitted in triplicate. As a minimum the following documentation is required.

A Statutory Declaration form shall be completed by the manufacturer for each category of accessories. *(If not the initial registration, an accepted copy by the first province of the statutory declaration is also required)*

a) for standard accessories meeting the requirements of the ASME Code and ANSI Standards

- material specifications
- dimensions
- pressure-temperature ratings or MAWP at temperature & MDMT with detailed calculations and/or copy of proof tests witnessed by a third party inspector acceptable to the regulatory authority.
- designation of the section of the ASME code or the ANSI standard.

b) for other accessories

- designation of the code or standard
- material specifications

- maximum allowable working pressure, maximum & minimum temperature
- dimensions
- detailed calculations and /or copy of proof tests witnessed by a third party inspector acceptable to the regulatory authority.

In addition for safety valves, relief valves, safety relief valves and rupture discs, rating sheets certified by the National Board or other agencies approved by the regulatory authority shall be submitted for each type, size and classification of the safety valves, relief valves, safety relief valves and rupture discs to be registered.

For fabrication outside Canada, the Statutory Declaration must be accompanied by proof that the quality control program has been accepted by a regulatory authority or authorized inspection agency.

Quality control program :

Manufacturers of accessories (*Category "G" & "H"*) holding a current Certificate of authorization issued by ASME for the range of products being manufacturer shall be deemed to have a satisfactory quality control system in operation.

Manufacturers not holding an ASME Certificate of authorization may be eligible for acceptance of their accessories by the "REGIE DU BATIMENT DU QUEBEC" under the following conditions:

- a) The manufacturer shall demonstrate by means of a written manual and by a review of the manufacturing facilities and procedures that the quality control system in operation meets the requirements of the applicable Section of the ASME Code (eg, Appendix 10 of Section VIII, Pressure Vessels, division 1 of the ASME Code) or the appendix H of the CSA B-51 M1991.
- b) The manufacturer shall be deemed acceptable if the Authorized inspection agency concludes from the demonstration of the quality control system in the review that the manufacturer qualifies for acceptance to the ASME Code or appendix H requirements and so signifies in writing.

The Authorized Inspection Agencies

- 1 in Canada, a pressure vessel inspection service under provincial jurisdiction;
- 2 in the United States, a state or municipal inspection agency having in its employ an inspector holding a valid certificate from the National Board of Boilers and Pressure Vessels Inspectors;
- 3 in other countries, an authorized inspection agency having in its employ an inspector holding a valid certificate from the National Board of Boilers and Pressure Vessels Inspectors, or one of the agencies mentioned in subsections 4 to 17;

4 A.O.T.C. (associated Offices Technical Committee) which includes:

- a) British Engine Insurance Limited;
- b) Commercial Union Assurance Co. Ltd.;
- c) National Vulcan Engineering Insurance Group Ltd.;
- d) Scottish Boiler and General Insurance Co. Ltd.;

5 L.R.S. (Lloyd's Register of Shipping);

6 L.R.I.S. (Lloyd's Register Industrial Services);

7 Merz and McLelland;

8 T.U.V. (Technische Überwachungs - Verein);

9 Bureau Veritas;

10 Der Norske Veritas;

11 Tottrup and Associates;

12 SGS Far East Ltd.;

13 I.E.I.C. (Independant Engineering Insurance Companies) which includes;

- a) Ajax Engineering Policies at Lloyd's;
- b) Cornhill Insurance Co. Ltd.;
- c) Eagle Star Group Engineering Insurance Ltd.;
- d) Guardian Royal Exchange Assurance Group;
- e) Legal and General Assurance Society Ltd.;
- f) Municipal Mutual Insurance Ltd.;

14 K.D. (Kennedy and Donkin);

15 A.N.C.C. (Associazione National Per Il Controllo Della Combustione);

16 Nippon Kaiji Kyohai;

17 The High Pressure Gaz Safety Institute of Japan. (KHK)

Inspection by an authorized inspection agency:

When welded pressure parts, such as expansion joints, that require inspection under the rules of the applicable ASME Code of construction are constructed by an organization other than the final manufacturer of a boiler or a pressure vessel, that organization shall forward a duly certified partial data report to the organization responsible for the completion of construction. This shall be attached to the manufacturer's data report.

*** Fees of registration :**

The fees for examination and registration of drawings and design documents and for any revisions there of are 124,00\$ for the first hour or fraction of an hour and of 60.00\$ for each additional half-hour or fraction of a half-hour.

A non refundable deposit of 124,00\$, in Canadian funds, must accompany the documents submitted for each category of fitting.

This deposit is credited to your account and covers the first hour of the review. You will be invoiced for the balance due if any. Make cheque payable to "MINISTRE DES FINANCES" (CHECKS NOT ACCEPTED UNLESS PAYABLE IN CANADIAN DOLLARS THROUGH A CANADIAN BANK). Fees are exempt from taxes.

All correspondence must be addressed to:

Unless otherwise modified, these fees will be in effect up to march 31, 2004 and will be indexed to the cost of living as of april 1, 2004.

For our regulation respecting pressure vessels A-20.01, r.1.1 see this web site <http://publicationsduquebec.gouv.qc.ca>.

For the CSA B 51 Boiler, Pressure vessel, and Pressure Piping Code, which is referred in our regulation, see this web site, <http://www.csa-international.org>.

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Service de l'inspection de la fabrication d'appareils sous pression
545, boul. Crémazie Est, 4^e étage
MONTRÉAL, (Québec) **CANADA**, H2M 2V2
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Quality control program for the construction of pressure vessels (including Boilers)

Program Implementation for Manufacturers in the USA

Manufacturers in the USA who manufacture and export pressure vessels to province of Quebec shall hold an ASME Certificate of Authorization and ensure that all pressure vessels are stamped with the appropriate ASME symbol.

Program Implementation for Manufacturers in Other Countries

Manufacturers holding a current Certificate of authorization issued by ASME for the range of products being manufacturer shall be deemed to have a satisfactory quality control system in operation

Manufacturers in countries other than Canada and the USA who do not have the appropriate ASME certificate of authorization shall, when submitting designs of pressure vessels for registration, submit evidence acceptable to the regulatory authority that the quality control system for the manufacturing facilities and procedures is equivalent to that of the applicable ASME Code.

Manufacturers not holding an ASME Certificate of authorization may be eligible for acceptance of their pressure vessels by the "REGIE DU BATIMENT DU QUEBEC" under the following conditions:

- a) The manufacturer shall demonstrate by means of a written manual and by a review of the manufacturing facilities and procedures that the quality control system in operation meets the requirements of the applicable Section of the ASME Code (eg, Appendix 10 of Section VIII, Pressure Vessels, division 1 of the ASME Code).

- b) The manufacturer shall be deemed acceptable if the Authorized inspection agency concludes from the demonstration of the quality control system in the review that the manufacturer qualifies for acceptance to the ASME Code requirements and so signifies in writing.

The Authorized Inspection Agencies

- 1° in Canada, a pressure vessel inspection service under provincial jurisdiction;
- 2° in the United States, a state or municipal inspection agency having in its employ an inspector holding a valid certificate from the National Board of Boilers and Pressure Vessels Inspectors;
- 3° in other countries, an authorized inspection agency having in its employ an inspector holding a valid certificate from the National Board of Boilers and Pressure Vessels Inspectors, or one of the agencies mentioned in subsections 4 to 17;
- 4° A.O.T.C. (associated Offices Technical Committee) which includes:
 - a) British Engine Insurance Limited;
 - b) Commercial Union Assurance Co. Ltd.;
 - c) National Vulcan Engineering Insurance Group Ltd.;
 - d) Scottish Boiler and General Insurance Co. Ltd.;
- 5° L.R.S. (Lloyd's Register of Shipping);
- 6° L.R.I.S. (Lloyd's Register Industrial Services);
- 7° Merz and McLelland;
- 8° T.U.V. (Technische Überwachungs - Verein);
- 9° Bureau Veritas;
- 10° Der Norske Veritas;
- 11° Tottrup and Associates;
- 12° SGS Far East Ltd.;
- 13° I.E.I.C. (Independent Engineering Insurance Companies) which includes:
 - a) Ajax Engineering Policies at Lloyd's;
 - b) Cornhill Insurance Co. Ltd.;
 - c) Eagle Star Group Engineering Insurance Ltd.;
 - d) Guardian Royal Exchange Assurance Group;
 - e) Legal and General Assurance Society Ltd.;
 - f) Municipal Mutual Insurance Ltd.;

- 14° K.D. (Kennedy and Donkin);
- 15° A.N.C.C. (Associazione National Per Il Controllo Della Combustione);
- 16° Nippon Kaiji Kyohai;
- 17° The High Pressure Gaz Safety Institute of Japan. (KHK)

For our regulation respecting pressure vessels A-20.01, r.1.1 see this web site <http://publicationsduquebec.gouv.qc.ca>

For the CSA B-51 Boiler, Pressure Vessel, and Pressure Piping Code, which is referred in our regulation, see this web site <http://www.csa-international.org>.

Régie du bâtiment du Québec
Service de l'inspection de la fabrication d'appareils sous pression
545, Boul. Crémazie est, 4^e étage, Montréal, (Québec) CANADA H2M 2V2
☎ (514) 873-6459 / Fax : (514) 873-9936 / sans frais : 1 866-262-2084
<http://www.rbq.gouv.qc.ca>

INFORMATION RELATED TO THE REGISTRATION OF PIPING IN COMPLIANCE WITH THE BOILERS AND PRESSURE VESSELS ACT AND C.S.A. STANDARD B51, FOR INSTALLATION IN THE PROVINCE OF QUEBEC.

In order to assist you, the following notes set out the requirements for the registration and manufacture of piping. This document is intended to explain these requirements, it is not meant to serve as a substitute for the governing documents themselves.

GENERAL INFORMATION

Piping:

a system of pipes and conduits, including a manifold, used exclusively to carry a fluid from one point to another.

Registration:

Registration of piping is done at the time the installer submit to the "Régie du bâtiment du Québec" a declaration of installation for the boiler, the pressure vessel or the piping. If the declaration of installation is accepted by the "Régie du bâtiment du Québec", a number is given to the installer and that number shall be used by the manufacturer of the piping as the provincial piping design registration number.

Accessories shall be registered by the manufacturer of the accessories.

Quality control program:

Manufacturers of piping holding a current Certificate of Authorization issued by ASME for the range of products being manufactured shall be deemed to have a satisfactory quality control system in operation.

Manufacturers not holding an ASME Certificate of authorization may be eligible for acceptance of their piping by the "REGIE DU BATIMENT DU QUEBEC" under the following conditions:

- a) The manufacturer shall demonstrate by means of a written manual and by a review of the manufacturing facilities and procedures that the quality control system in operation meets the requirements of the applicable Section of the ASME Code (eg, Appendix 10 of Section VIII, Pressure Vessels, division 1 of the ASME Code)

- b) The manufacturer shall be deemed acceptable if the Authorized inspection agency concludes from the demonstration of the quality control system in the review that the manufacturer qualifies for acceptance to the ASME Code.

The Authorized Inspection Agencies are:

In Canada : A provincial jurisdiction

In the U.S.A. : - State jurisdiction
- An insurance company authorized to write Boiler and Pressure Vessels Insurance.

In other countries : An authorized inspection agency recognized to the authority having jurisdiction in the province of first registration.

Construction data report:

The manufacturer of piping shall complete a construction data report for piping systems (figure E5 of the CSA B51 - M 1991).

An authorized Inspector of the Authorized Inspection Agency shall inspect and sign the data report. Copies of the data report shall be sent by the manufacturer to the installer.

For our regulation respecting pressure vessels A-20.01, r.1.1 see this web site <http://publicationsduquebec.gouv.qc.ca>

For the CSA B-51 Boiler, Pressure Vessel, and Pressure Piping code, which is referred in our regulation, see this web site <http://csa-international.org>

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Direction de l'inspection
Service de l'inspection de la fabrication
d'appareils sous pression
545, boul. Crémazie est, 4^e étage
MONTRÉAL, (Québec) CANADA H2M 2V2
Tel.: (514) 873-6459 / Fax.: (514)873-9936
Sans frais: 1-866-262-2084
<http://www.rbq.gouv.qc.ca>

Statutory Declaration Registration of Fittings

(a) Design Qualification

I¹ _____

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

Of _____
(name of company)

Located at _____
(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 _____, and has been verified by the following authority or authorized agency _____

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

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

Declared before me at _____

In the of _____ of _____

The ____ Day of _____ AD 19 ____

A (commissioner for oaths)

Signature of Declarer³

For Official Use Only

The application is accepted for registration in Category _____ 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.

Registered Number CRN _____ For the Chief Inspector _____
_____ Date _____

- 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.**

