

This form is intended for pressure equipment manufacturers who want to register their designs in order to obtain a Canadian Registration Number (CRN).

It can be used to register the design of a:

- pressure vessel or a part thereof (section 5)
- several fittings of the same category (section 6)
- single fitting (section 7).

TO SIMPLIFY
THE PROCESSING
OF YOUR
APPLICATION,
FILL OUT THIS FORM
BY COMPUTER.

The fields preceded by an asterisk (*) are mandatory.

1. Manufacturer identification

*Name of the company (manufacturer's name written on a ASME or provincial certificate of authorization, or name of the owner of the CRN):

*Mailing address (as written on a ASME or provincial certificate of authorization):

*Last and first name of the project manager/person in charge of the application:

*Telephone number:

*Email address:

2. Applicant identification

This section **ONLY** needs to be filled out if the applicant is not the manufacturer, but his representative who submits the application on his behalf. (e.g., a designer)

Name of the company:

Mailing address:

Last and first name of the project manager/person in charge:

Telephone number:

Email address:

3. Design information

*Drawing and revision number (according to the manufacturer's nomenclature):

Registration number (if already registered in another Canadian province):

4. Billing information

*Mailing address:	
*Person responsible for payment/project manager:	
*Telephone number:	*Email address:
*Reference number (e.g., purchase number):	

5. Design registration of a pressure vessel or a part thereof

This section must **ONLY** be filled out to register a pressure vessel or a part thereof, as defined in CSA B51.

This registration application is:	<input type="checkbox"/> a new request	<input type="checkbox"/> a CRN revision
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Technical description			
Type of vessel:	<input type="checkbox"/> Boiler	<input type="checkbox"/> Heat exchanger	<input type="checkbox"/> Other pressure vessel <input type="checkbox"/> Part of a vessel
Description or use of the vessel (e.g., fire-tube boiler, tank, heat exchanger):			
ASME BPVC applicable section and edition:			
<input type="checkbox"/> Diameter or <input type="checkbox"/> height (for rectangular vessels):			
Length (overall):		Width (for rectangular vessels):	
Shell (Indicate the maximum allowable working pressure and the minimum and maximum operating temperature of the shell).			
Maximum allowable working pressure (MAWP):	Minimum operating temperature:	Maximum operating temperature:	
Tube sections (Indicate the maximum allowable working pressure, and the minimum and maximum operating temperature of the tubes).			
Maximum allowable working pressure (MAWP):	Minimum operating temperature:	Maximum operating temperature:	
Steam jacket (Indicate the maximum allowable working pressure, and the minimum and maximum operating temperature of the steam jacket).			
Maximum allowable working pressure (MAWP):	Minimum operating temperature:	Maximum operating temperature:	
Boiler only	Heating surface:	m ²	Power (for electric boilers): kW

Mandatory documents to attach to your application
Check the appropriate boxes for every document that you attach to this application.
<input type="checkbox"/> Certification by a recognized organization (ASME or a Canadian provincial authority) (1 copy)
<input type="checkbox"/> Proof of the first registration if already registered in another Canadian province (1 copy)
<input type="checkbox"/> Calculations or burst test report (1 copy)
<input type="checkbox"/> Drawings (2 copies)
Note : Drawings and calculations must be signed by an engineer.

6. Design registration of several fittings of the same category

This section must **ONLY** be filled out to register, collectively, several fittings falling into the same category, such as a product catalogue, as defined in CSA B51.

This registration application is: a new request a CRN revision a renewal

Technical description

Category of the fitting (as defined in CSA B51): A B C D E F G

Description of the fitting:

Applicable construction code and edition:

Is this a nationally recognized standard? (See Appendix I—List of nationally recognized standards.) Oui Non

Mandatory documents to attach to your application

Check the appropriate boxes for every document that you attach to this application.

- Statutory Declaration Form for the registration of fittings (2 copies)
- Example of the manufacturer identification marking (1 copy)
- Proof of the accepted and valid quality control program (1 copy)
- Proof of the first registration if already registered in another Canadian province (1 copy)
- Applicable drawings or catalogue

Note : Drawings and calculations must be signed by an engineer.

Additional documents to attach for fittings manufactured according to an unrecognized national standard

Check the appropriate boxes for every document that you attach to this application.

- Drawings or catalogue with the following information: material specifications, maximum allowable working pressure, maximum operating temperature, dimensions (2 copies)
- Detailed calculations or burst test report (1 copy)

Note : Drawings and calculations must be signed by an engineer.

7. Design registration of a single fitting

This section must **ONLY** be filled out to register a fitting as defined in CSA B51.

This registration application is: a new request a CRN revision a renewal

Technical description

Fitting category (as defined in CSA B51): A B C D E F G H

Description of the fitting:

Applicable construction code and edition:

Is this a nationally recognized standard? (See Appendix I—List of nationally recognized standards.) Oui Non

Diameter or height (for rectangular fittings):

Length (overall):

Width (for rectangular fittings):

Indicate the fittings maximum allowable working pressure (MAWP):

Indicate the minimum and maximum allowable operating temperature.
Minimum temperature: _____ Maximum temperature: _____

Mandatory documents to attach to your application

Check the appropriate boxes for every document that you attach to this application.

- Statutory Declaration Form for the registration of fittings (2 copies)
- Example of the manufacturer identification marking (1 copy)
- Proof of the accepted and valid quality control program (1 copy)
- Proof of the first registration if already registered in another Canadian province (1 copy)
- Drawings

Note : Drawings and calculations must be signed by an engineer.

Additional documents for fittings of category H, or fittings of categories A, B, C, D, E, F, and G manufactured according to an unrecognized national standard. (See Appendix I—List of nationally recognized standards.)

Check the appropriate boxes for every document that you attach to this application.

- Drawings with the following information: material specifications, maximum allowable working pressure, maximum operating temperature, dimensions (2 copies)
- Detailed calculations or burst test report (1 copy)

Note : Drawings and calculations must be signed by an engineer.

8. Signature of the person in charge of the design registration application

I hereby declare that all the information provided is accurate.

Signature:

Date:

Sending the form

The form and all the required documents must be sent to this address:
Bureau d'expertise et d'homologation en équipements sous pression
545, boulevard Crémazie Est, 7^e étage
Montréal (Québec) H2M 2V2

DO NOT FORGET
TO ATTACH ALL
MANDATORY
DOCUMENTS.

List of nationally recognized standards

- ASME BPVC** ;
- ASME B1.1**, Unified Inch Screw Threads (UN and UNR Thread Form);
- ASME B1.20.1**, Pipe Threads, General Purpose (Inch);
- ASME B1.20.3**, Dryseal Pipe Threads (Inch);
- ASME B1.20.7**, Hose Coupling Screw Threads (Inch);
- ASME B16.1**, Cast Iron Pipe Flanges and Flanged Fittings;
- ASME B16.3**, Malleable Iron Threaded Fittings;
- ASME B16.4**, Gray Iron Threaded Fittings;
- ASME B16.5**, Pipe Flanges and Flanged Fittings;
- ASME B16.9**, Factory-Made Wrought Butt-welding Fittings;
- ASME B16.10**, Face-to-Face and End-To-End Dimensions of Valves;
- ASME B16.11**, Forged Fittings, Socket- Welding and Threaded;
- ASME B16.14**, Ferrous Pipe Plugs, Bushings, and Locknuts With Pipe Threads;
- ASME B16.15**, Cast Bronze Threaded Fittings, Classes 125 and 250;
- ASME B16.18**, Cast Copper Alloy Solder Joint Pressure Fittings;
- ASME B16.20**, Metallic Gaskets for Pipe Flanges – Ring-Joint, Spiral-Wound, and Jacketed;
- ASME B16.21**, Nonmetallic Flat Gaskets for Pipe Flanges;
- ASME B16.22**, Wrought Copper and Copper Alloy Solder Joint Pressure Fittings;
- ASME B16.24**, Cast Copper Alloy Pipe Flanges and Flanged Fittings, Class 150, 300, 400, 600, 900, 1500, and 2500;
- ASME B16.25**, Butt-welding Ends;
- ASME B16.26**, Cast Copper Alloy Fittings for Flared Copper Tubes;
- ASME B16.34**, Valves-Flanged, Threaded, and Welding End;
- ASME B16.36**, Orifice Flanges, Class 300, 600, 900, 1500, and 2500;
- ASME B16.39**, Malleable Iron Threaded Pipe Unions, Class 150, 250, and 300;
- ASME B16.48**, Steel Line Blanks;
- ASME B16.42**, Ductile Iron Pipe Flanges and Flanged Fittings, Class 150 and 300;
- ASME B16.47**, Large Diameter Steel Flanges, NPS 26 through NPS 60;
- ASME B18.2.1**, Bolting Square and Hex Bolts and Screws (Inch Series);
- ASME B18.2.2**, Square and Hex Nuts (Inch Series);
- ASME B36.10M**, Welded and Seamless Wrought Steel Pipe;
- ASME B36.19M**, Stainless Steel Pipe;
- ASME B46.1**, Surface Texture (Surface Roughness, Waviness, and Lay);
- ASME BPE**, Bioprocessing Equipment;
- API 5B**, Specification for Threading, Gaging and Thread Inspection of Casing, Tubing, and Line Pipe Threads;
- API 526**, Flanged Steel Pressure-Relief Valves;
- API 594**, Check Valves: Flanged, Lug, Wafer and Butt-welding;
- API 599**, Metal Plug Valves-Flanged, Threaded, and Welding Ends;
- API 600**, Bolted Bonnet Steel Gate Valves for Petroleum and Natural Gas Industries;
- API 602**, Steel Gate, Globe, and Check Valves for Sizes DN 100 and Smaller for the Petroleum and Natural Gas Industries;
- API 603**, Corrosion-Resistant, Bolted Bonnet Gate Valves – Flanged and Butt-Welding Ends;
- API 608**, Metal Ball Valves-Flanged, Threaded, and Welding End;
- API 609**, Butterfly Valves: Double-flanged, Lug- and Wafer-type;
- BS 6501 Part 1**, Flexible Metal Hose;
- AWWA C110**, Ductile-Iron and Gray-Iron Fittings, 3 Inch Through 48 Inch (75 mm Through 1200 mm), for Water and Other Liquids;
- AWWA C111**, Rubber Gasket Joints for Ductile-Iron Pressure Pipe and Fittings;
- AWWA C115**, Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges;
- AWWA C150**, Thickness Design of Ductile-Iron Pipe;
- AWWA C151**, Ductile-Iron Pipe, Centrifugally Cast, for Water;
- AWWA C200**, Steel Water Pipe 6 inches (150 mm) and Larger;
- AWWA C207**, Steel Pipe Flanges for Waterworks Service, Sizes 4 inch Through 144 inch (100 mm Through 3,600 mm);
- AWWA C208**, Dimensions for Fabricated Steel Water Pipe Fittings;
- AWWA C500**, Metal-Seated Gate Valves for Water Supply Service;
- AWWA C504**, Rubber-Seated Butterfly Valves;
- MSS SP-6**, Standard Finishes for Contact Faces of Pipe Flanges and Connecting-End Flanges of Valves and Fittings;
- MSS SP-9**, Spot Facing for Bronze, Iron and Steel Flanges;
- MSS SP-25**, Standard Marking Systems for Valves, Fittings, Flanges, and Unions;
- MSS SP-42**, Class 150 (PN 20) Corrosion Resistant Gate, Globe, Angle and Check Valves With Flanged and Butt Weld Ends;
- MSS SP-43**, Wrought Stainless Steel Butt-Welding Fittings Including Reference to Other Corrosion Resistant Materials;
- MSS SP-44**, Steel Pipeline Flanges;
- MSS SP-45**, Bypass and Drain Connections;
- MSS SP-51**, Class 150LW Corrosion Resistant Flanges and Cast Flanged Fittings;
- MSS SP-58**, Pipe Hangers and Supports – Materials, Design, and Manufacture
- MSS SP-65**, High Pressure Chemical Industry Flanges and Threaded Stubs for Use with Lens Gaskets;
- MSS SP-70**, Gray Iron Gate Valves, Flanged and Threaded Ends;
- MSS SP-71**, Gray Iron Swing Check Valves, Flanged and Threaded Ends;
- MSS SP-72**, Ball Valves With Flanged or Butt-welding Ends for General Service;
- MSS SP-73**, Brazing Joints for Copper and Copper Alloy Pressure Fittings;
- MSS SP-75**, Specifications for High Test Wrought Butt-welding Fittings;
- MSS SP-79**, Socket-Welding Reducer Inserts;
- MSS SP-80**, Bronze Gate, Globe, Angle and Check Valves;
- MSS SP-81**, Stainless Steel, Bonnetless, Flanged, Knife Gate Valves;
- MSS SP-83**, Class 3000 Steel Pipe Unions, Socket-Welding and Threaded;
- MSS SP-85**, Gray Iron Globe and Angle Valves, Flanged and Threaded Ends;
- MSS SP-88**, Diaphragm Type Valves;
- MSS SP-95**, Swage(d) Nipples and Bull Plugs;
- MSS SP-97**, Integrally Reinforced Forged Branch Outlet Fittings – Socket Welding, Threaded, and Butt-welding Ends;
- MSS SP-105**, Instrument Valves for Code Applications;
- MSS SP-106**, Cast Copper Alloy Flanges and Flanged Fittings Class 125, 150, and 300;
- MSS SP-119**, Factory-Made Wrought Belled End Socket Welding Fittings;
- NFPA 1963**, Standard for Fire Hose Connections;
- SAE J513**, Refrigeration Tube Fittings – General Specifications;
- SAE J514**, Hydraulic Tube Fittings;
- SAE J518**, Hydraulic Flanged Tube, Pipe, and Hose Connections, Four-Bolt Split Flanged Type.