

## Canadian Registration Number (CRN) – Saskatchewan

Saskatchewan exempts Fittings of Category B-Flanges from registration requirements as long as they comply with a standard listed in Table 326.1 of ASME B31.3-2016. The below link was current as of September 29, 2023. Copy of Saskatchewan exemption statement and Table 326.1 of ASME B31.3-2016 are attached to this document.

<https://www.tsask.ca/boiler-pressure-vessels/design-registration/application-for-registrations/fitting-design>

Boltex Mfg. Co. manufactures flanges in accordance with ASME B16.5, ASME B16.36, ASME B16.47 and MSS SP-44. Boltex marks all flanges in accordance with the specified specification and compliance is also noted on the Material Test Report (MTR). These specifications are listed in Table 326.1 of ASME B31.3-2016. As defined in CSA B51 Table 1, flanges fall under Fittings of Category B-Flanges.

Boltex Mfg. Co. will continue to monitor future information from Saskatchewan and will make changes as needed.



# Fitting Design

## Design Submission Requirements

Any person who intends to manufacture a fitting for use in Saskatchewan in connection with any boiler, pressure vessel, or pressure piping system must apply for registration of the fitting unless otherwise provided in the regulations.

A fitting means a valve, gauge, regulating or controlling device, flange, pipe fitting, nozzle, or thing that is attached to or forms part of a boiler, pressure vessel, or pressure piping system.

Registration Submissions must include:

- A completed **Application for Fitting Design Registration** ([/public/images/TSK-1014\\_-\\_2017\\_Fitting\\_Design\\_Registration\\_-\\_FINAL.pdf](/public/images/TSK-1014_-_2017_Fitting_Design_Registration_-_FINAL.pdf)) form for each design;
- One **Statutory Declaration** ([/public/images/Microsoft\\_Word\\_-\\_TSK1008\\_Statutory\\_Declaration.docx.pdf](/public/images/Microsoft_Word_-_TSK1008_Statutory_Declaration.docx.pdf)) Form completed by the manufacturer for each design;
- The design details (drawings, brochures, catalogues, etc. as appropriate) 1 set;
  - Send additional set if you require a stamped copy returned to you (additional fee applicable)
- One set of calculations or reports in support of the design (where applicable);
- Proof of registration in another Canadian jurisdiction (if applicable);

The design details, specifications, and other information submitted should show enough detail to demonstrate that the design will conform to the code or standard specified in the statutory declaration and that the manufacturer conforms to a quality control program as required by the CSA B51 code.

Design registration will be denoted by the Canadian Registration Number (CRN) assigned to the design. Any number of units may be made to one registered design, unless the code or regulations change to invalidate the registered design or unless the registration limits the number of units that may be built to the design. Registrations of fittings shall be resubmitted for validation ten years after the date of first acceptance.

Applicable fees can be found in the **fee schedule** ([https://www.tsask.ca/public/pdf/Design\\_Registration\\_Fee\\_Schedule\\_2022.pdf](https://www.tsask.ca/public/pdf/Design_Registration_Fee_Schedule_2022.pdf)).

## Submitting a Design

Electronic submission of design registration is required, see **Guidelines for Electronic Application for Design Registration** ([/public/images/Guideline\\_for\\_Electronic\\_Application1.pdf](/public/images/Guideline_for_Electronic_Application1.pdf)) for instructions.

It is not necessary that the drawings be stamped by a registered Professional Engineer unless the code of construction requires an Engineering Judgement.

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## Exemptions

A fitting is not required to be registered in Saskatchewan pursuant to The Boiler and Pressure Vessel Act if:

- It is registered by the CSA (Contact: Janet Townsend)

CSA International  
178 Rexdale Boulevard  
Toronto, ON M9W 1R3  
Ph: 416.747.4291  
Fax: 416.401.6795  
Email: [janet.townsend@csagroup.org](mailto:janet.townsend@csagroup.org); or

- It is a Standard Category A, B, C, or G fitting, as set out in the CSA B51 code and complies with the specifications and standards listed in:
  - Table 126.1 of ASME B31.1-2016
  - Table 326.1 of ASME B31.3-2016
  - Table 526.1 of ASME B31.5-2016
  - Pressure relieve devices that comply with ASME/NBBI codes

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(16)

Table 326.1 Component Standards

Standard or Specification	Designation
<b>Bolting</b>	
Square and Hex Bolts and Screws (Inch Series) . . . . .	ASME B18.2.1
Square and Hex Nuts (Inch Series) . . . . .	ASME B18.2.2
<b>Metallic Fittings, Valves, and Flanges</b>	
Gray Iron Pipe Flanges and Flanged Fittings . . . . .	ASME B16.1
Malleable Iron Threaded Fittings . . . . .	ASME B16.3
Gray Iron Threaded Fittings . . . . .	ASME B16.4
Pipe Flanges and Flanged Fittings . . . . .	ASME B16.5
Factory-Made Wrought Butt-Welding Fittings . . . . .	ASME B16.9
Face-to-Face and End-To-End Dimensions of Valves . . . . .	ASME B16.10
Forged Fittings, Socket-Welding and Threaded . . . . .	ASME B16.11
Ferrous Pipe Plugs, Bushings, and Locknuts With Pipe Threads . . . . .	ASME B16.14
Cast Bronze Threaded Fittings, Class 125 and 250 [Note (1)] . . . . .	ASME B16.15
Cast Copper Alloy Solder Joint Pressure Fittings . . . . .	ASME B16.18
Wrought Copper and Copper Alloy Solder Joint Pressure Fittings . . . . .	ASME B16.22
Cast Copper Alloy Pipe Flanges, Flanged Fittings, and Valves: Classes 150, 300, 600, 900, 1500, and 2500 . . . . .	ASME B16.24
Cast Copper Alloy Fittings for Flared Copper Tubes . . . . .	ASME B16.26
Valves-Flanged, Threaded, and Welding End . . . . .	ASME B16.34
Orifice Flanges, Class 300, 600, 900, 1500, and 2500 . . . . .	ASME B16.36
Malleable Iron Threaded Pipe Unions, Class 150, 250, and 300 . . . . .	ASME B16.39
Ductile Iron Pipe Flanges and Flanged Fittings, Class 150 and 300 . . . . .	ASME B16.42
Large Diameter Steel Flanges, NPS 26 Through NPS 60 . . . . .	ASME B16.47
Steel Line Blanks . . . . .	ASME B16.48
Brazing Joints for Copper and Copper Alloy Pressure Fittings . . . . .	ASME B16.50
Bioprocessing Equipment [Note (2)] . . . . .	ASME BPE
Pipeline Valves [Note (3)] . . . . .	API 6D
Flanged Steel Pressure-Relief Valves . . . . .	API 526
Check Valves: Flanged, Lug, Wafer and Butt-welding . . . . .	API 594
Metal Plug Valves—Flanged, Threaded, and Welding Ends . . . . .	API 599
Bolted Bonnet Steel Gate Valves for Petroleum and Natural Gas Industries . . . . .	API 600
Gate, Globe, and Check Valves for Sizes DN 100 and Smaller for the Petroleum and Natural Gas Industries . . . . .	API 602
Corrosion-Resistant, Bolted Bonnet Gate Valves — Flanged and Butt-Welding Ends . . . . .	API 603
Metal Ball Valves-Flanged, Threaded, and Welding End . . . . .	API 608
Butterfly Valves: Double-flanged, Lug- and Wafer-type . . . . .	API 609
Ductile-Iron and Gray-Iron Fittings, 3 Inch Through 48 Inch (75 mm Through 1200 mm), for Water and Other Liquids . . . . .	AWWA C110
Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges . . . . .	AWWA C115
Steel Pipe Flanges for Waterworks Service, Sizes 4 inch Through 144 inch (100 mm Through 3,600 mm) . . . . .	AWWA C207
Dimensions for Fabricated Steel Water Pipe Fittings . . . . .	AWWA C208
Metal-Seated Gate Valves for Water Supply Service . . . . .	AWWA C500
Rubber-Seated Butterfly Valves . . . . .	AWWA C504
Standard Finishes for Contact Faces of Pipe Flanges and Connecting-End Flanges of Valves and Fittings . . . . .	MSS SP-6
Spot Facing for Bronze, Iron and Steel Flanges . . . . .	MSS SP-9
Standard Marking Systems for Valves, Fittings, Flanges, and Unions . . . . .	MSS SP-25
Class 150 (PN 20) Corrosion Resistant Gate, Globe, Angle and Check Valves With Flanged and Butt Weld Ends . . . . .	MSS SP-42
Wrought Stainless Steel Butt-Welding Fittings Including Reference to Other Corrosion Resistant Materials [Note (4)] . . . . .	MSS SP-43
Steel Pipeline Flanges . . . . .	MSS SP-44
Bypass and Drain Connections . . . . .	MSS SP-45
Class 150LW Corrosion Resistant Flanges and Cast Flanged Fittings . . . . .	MSS SP-51
High Pressure Chemical Industry Flanges and Threaded Stubs for Use with Lens Gaskets . . . . .	MSS SP-65