

## **Canadian Registration Number (CRN) – Manitoba**

In accordance with ITS 20-009, Manitoba 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. ITS 20-009 and Table 326.1 of ASME B31.3 are attached to this document.

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. 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 Manitoba and will make changes as needed.



## Inspection and Technical Services

### Exemption from Registration Requirements for Categories A, B, C and G Fittings

ITS 20-009

**In an effort to better align Manitoba's requirements for pressure piping components and pressure relief valves with other provincial authorities, effective April 1, 2017, Category A, B, C and G fittings meeting the requirements in this bulletin no longer require registration with Inspection and Technical Services.**

The exemption from the registration requirements identified in paragraph 4.2 of the CSA B51 code, and paragraphs 22(1)(e) and (f) of *the Steam and Pressure Plants Regulation* apply to:

1. Piping components complying with the standards and specifications listed in ASME B31 Pressure Piping Codes, as identified in Category A, B and C below:

#### Category A

- Pipe fittings, including couplings, tees, elbows, wyes, plugs, unions, nipples, pipe caps, and reducers complying with a standard listed in Table 126.1 of ASME B31.1, Table 326.1 of ASME B31.3, Table 526.1 of ASME B31.5, or Table 926.1 of ASME B31.9

#### Category B

- Flanges complying with a standard listed in Table 126.1 of ASME B31.1, Table 326.1 of ASME B31.3, Table 526.1 of ASME B31.5, or Table 926.1 of ASME B31.9

#### Category C

- Valves complying with a standard listed in Table 126.1 of ASME B31.1, Table 326.1 of ASME B31.3, Table 526.1 of ASME B31.5, or Table 926.1 of ASME B31.9

2. Certified pressure relief devices complying with ASME Boiler and Pressure Vessel Codes, as identified in Category G below:

#### Category G

- Pressure-relief devices marked with an ASME or NB stamp

Non-standard or unlisted piping components that do not comply with the specifications and standards listed in the ASME B31 Pressure Piping codes, and pressure relief devices that do not comply with the requirements of the ASME Boiler and Pressure Vessel Code, are required to be registered in accordance with the requirements of the CSA B51 standard, and *the Steam and Pressure Plants Regulation*.

Submitting the documentation specified in CSA B51 section 4.2.8(b) to the following email address, with the subject line “New Design Review – Fitting – 1 of 1”

[QASupport@gov.mb.ca](mailto:QASupport@gov.mb.ca)

Refer to the Electronic Submission Guideline **ITS 20-003** for more information on electronic submission requirements.

**Note: Category A, B, C and G fittings that fall under the exemption of this bulletin will not be considered for registration. Clients who submit applications that contain exempt fittings will be notified, and their applications will either be returned, or securely disposed of by ITS.**

#### **Reference Documents**

- *The Steam and Pressure Plants Act and Regulation*
- *CSA B51 – Boiler, pressure vessel and pressure piping code*
- *ITS 20-003 - Electronic Submission Guideline*

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Table 326.1 Component Standards

Standard or Specification	Designation
<b>Bolting</b>	
Square, Hex, Heavy Hex, and Askew Head Bolts and Hex, Heavy Hex, Hex Flange, Lobed Head, and Lag Screws (Inch Series) . . . . .	ASME B18.2.1
Nuts for General Applications: Machine Screw Nuts, Hex, Square, Hex Flange, and Coupling Nuts (Inch Series) . . . . .	ASME B18.2.2
Continuous Thread Stud, Double-End Stud, and Flange Bolting Stud (Stud Bolt) (Inch Series) . . . . .	ASME B18.31.2
<b>Metallic Fittings, Valves, and Flanges</b>	
Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250 . . . . .	ASME B16.1
Malleable Iron Threaded Fittings: Classes 150 and 300 . . . . .	ASME B16.3
Gray Iron Threaded Fittings: Classes 125 and 250 . . . . .	ASME B16.4
Pipe Flanges and Flanged Fittings: NPS 1/2 Through NPS 24 Metric/Inch Standard . . . . .	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 Copper Alloy Threaded Fittings: Classes 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 . . . . .	ASME B16.36
Malleable Iron Threaded Pipe Unions: Classes 150, 250, and 300 . . . . .	ASME B16.39
Ductile Iron Pipe Flanges and Flanged Fittings: Classes 150 and 300 . . . . .	ASME B16.42
Large Diameter Steel Flanges: NPS 26 Through NPS 60 Metric/Inch Standard . . . . .	ASME B16.47
Line Blanks . . . . .	ASME B16.48
Wrought Copper and Copper Alloy Braze-Joint Pressure Fittings . . . . .	ASME B16.50
Bioprocessing Equipment [Note (2)] . . . . .	ASME BPE
Specification for Pipeline and Piping 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
Steel Gate Valves — Flanged and Butt-welding Ends, Bolted Bonnets . . . . .	API 600
Gate, Globe, and Check Valves for Sizes DN 100 (NPS 4) 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 Ends . . . . .	API 608
Butterfly Valves: Double-flanged, Lug- and Wafer-type . . . . .	API 609
Performance of Gasketed Mechanical Couplings for Use in Piping Applications . . . . .	ASTM F1476
Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications . . . . .	ASTM F1548
Ductile-Iron and Gray-Iron Fittings . . . . .	AWWA C110
Flanged Ductile-Iron Pipe With Ductile-Iron or Gray-Iron Threaded Flanges . . . . .	AWWA C115
Steel Pipe Flanges for Waterworks Service, Sizes 4 in. Through 144 in. (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
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 System for Valves, Fittings, Flanges, and Unions . . . . .	MSS SP-25

Table 326.1 Component Standards (Cont'd)

Standard or Specification	Designation
<b>Metallic Fittings, Valves, and Flanges (Cont'd)</b>	
Corrosion-Resistant Gate, Globe, Angle, and Check Valves with Flanged and Butt Weld Ends (Classes 150, 300, & 600)	MSS SP-42
Wrought and Fabricated Butt-Welding Fittings for Low Pressure, Corrosion Resistant Applications [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
Gray Iron Gate Valves, Flanged and Threaded Ends	MSS SP-70
Gray Iron Swing Check Valves, Flanged and Threaded Ends	MSS SP-71
Ball Valves with Flanged or Butt-Welding Ends for General Service	MSS SP-72
High-Strength, Wrought, Butt-Welding Fittings	MSS SP-75
Gray Iron Plug Valves, Flanged and Threaded Ends	MSS SP-78
Socket Welding Reducer Inserts	MSS SP-79
Bronze Gate, Globe, Angle, and Check Valves	MSS SP-80
Stainless-Steel or Stainless-Steel-Lined, Bonnetless, Knife Gate Valves with Flanged Ends	MSS SP-81
Class 3000 and 6000 Pipe Unions, Socket Welding and Threaded (Carbon Steel, Alloy Steel, Stainless Steels, and Nickel Alloys)	MSS SP-83
Gray Iron Globe and Angle Valves, Flanged and Threaded Ends	MSS SP-85
Diaphragm Valves	MSS SP-88
Swage(d) Nipples and Bull Plugs	MSS SP-95
Integrally Reinforced Forged Branch Outlet Fittings — Socket Welding, Threaded, and Buttwelding Ends	MSS SP-97
Instrument Valves for Code Applications	MSS SP-105
Cast Copper Alloy Flanges and Flanged Fittings: Class 125, 150, and 300	MSS SP-106
Factory-Made Wrought Belled End Pipe Fittings for Socket-Welding [Note (5)]	MSS SP-119
Refrigeration Tube Fittings — General Specifications	SAE J513
Hydraulic Tube Fittings	SAE J514
Hydraulic Flanged Tube, Pipe, and Hose Connections, 4-Screw Flange Connection Part 1: 3.5 MPa to 35 MPa (Code 61)	SAE J518-1
Hydraulic Flanged Tube, Pipe, and Hose Connections, 4-Screw Flange Connection Part 2: 42 MPa (Code 62)	SAE J518-2
<b>Metallic Pipe and Tubes [Note (6)]</b>	
Welded and Seamless Wrought Steel Pipe	ASME B36.10M
Stainless Steel Pipe	ASME B36.19M
Flanged Ductile-Iron Pipe With Ductile-Iron or Gray-Iron Threaded Flanges	AWWA C115
Thickness Design of Ductile-Iron Pipe	AWWA C150
Ductile-Iron Pipe, Centrifugally Cast	AWWA C151
Steel Water Pipe, 6 in. (150 mm) and Larger	AWWA C200
<b>Miscellaneous</b>	
Unified Inch Screw Threads (UN and UNR Thread Form)	ASME B1.1
Pipe Threads, General Purpose (Inch)	ASME B1.20.1
Dryseal Pipe Threads (Inch)	ASME B1.20.3
Hose Coupling Screw Threads (Inch)	ASME B1.20.7
Metallic Gaskets for Pipe Flanges	ASME B16.20
Nonmetallic Flat Gaskets for Pipe Flanges	ASME B16.21
Buttwelding Ends	ASME B16.25
Surface Texture (Surface Roughness, Waviness, and Lay)	ASME B46.1
Thermowells [Note (7)]	ASME PTC 19.3 TW
Specification for Threading, Gauging, and Thread Inspection of Casing, Tubing, and Line Pipe Threads	API 5B
Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings	AWWA C111