



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

[www.tssa.org](http://www.tssa.org)

February 28, 2017

SCOTT ISLIP  
ROUND ENGINEERING INC  
10 SEGWUN RD  
WATERDOWN ON L8B 0K6  
CA

**Service Request Type:** BPV-Fitting Registration  
**Service Request No.:** 2009784  
**Your Reference No.:** R-0676 NCI MSS SP-80 VALVES  
**Registered to:** NCI CANADA INC

Dear SCOTT ISLIP,

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

**CRN No.:** 0C19200.5  
**Main Design No.:** BRONZE GATE, GLOBE & CHECK VALVES CLASS 150 & 300 - SEE SCOPE OF CRN REGISTRATION  
**Expiry Date:** 28-Feb-2027

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](mailto: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,

Wendy Du, P.Eng.  
Technical Standards & Safety Authority  
Boilers & Pressure Vessels Safety Program  
Tel.: 416-734-3566  
Fax: 416-231-6183  
Email: [wdu@tssa.org](mailto:wdu@tssa.org)



**TECHNICAL STANDARDS & SAFETY AUTHORITY**  
 14th Floor, Centre Tower  
 3300 Bloor Street West  
 Toronto, Ontario  
 Canada M8X 2X4

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, DAVID TERRY, PRESIDENT  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of NCI CANADA INC.  
(Name of Manufacturer)

Located at 2305 WYECROFT ROAD, OAKVILLE, ONTARIO, L6L 6R2 905-727-5545 905-727-4088  
(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 MSS SP-80

(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:9001:2008 which has been verified by the following authority, CERTECH REGISTRATION INC.

The items covered by this declaration, for which I seek registration, are category C - VALVES type fittings. In support of this application, the following information and/or test data are attached as follows:

CLASS 150 AND 300 BRONZE GATE, GLOBE AND CHECK VALVES SCOPE OF CRN, CALCULATIONS, REPORTS

(drawings, calculations, test reports, etc.)

Declared before me at Toronto in the Province of Ontario  
 the 9th day of December AD 2016.

Commissioner for Oaths:

Jimmy Marrelli  
(Printed Name)

[Signature]  
(Signature)

[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: OC 19200.5

Registered by: Wendy [Signature]

Dated: Feb. 28, 2017

NOTE: This registration expires on Feb. 28, 2027

<b>Technical Standards and Safety Authority</b>	<b>Boilers and Pressure Vessels Safety Program</b>
<b>REGISTERED</b>	
C.R.N.:.....	<u>OC 19200.5</u>
Signed:.....	<u>[Signature]</u>
Date:.....	<u>Feb. 28, 2017</u>



**NCI CANADA INC.**  
 2305 WYECROFT RD.  
 OAKVILLE, ONTARIO  
 L6L 6R2, CANADA

11-Jan-17

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**SCOPE OF CRN REGISTRATION**

Product Description	NCI Model	Design Code	Size Range	End Connection	Body and Bonnet Specification	MAWP at 150F (Note 1)	MAWP at MAWT (Note 1,2,3)	MDMT (Note 4)	Design Report
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2	GTVA-TBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2	GTVA-SBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Non-Rising Stem MSS SP-80 Type 1A	GTVB-TBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Non-Rising Stem MSS SP-80 Type 1A	GTVB-SBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2 Union Bonnet	GTVA-TBZ2333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2 Union Bonnet	GTVA-SBZ2333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL. 150 Bronze Globe Valve Non-Metallic Disc MSS SP-80 Type 2	GLBA-TBZ2360	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2
CL. 150 Bronze Globe Valve Non-Metallic Disc MSS SP-80 Type 2	GLBA-SBZ2360	MSS SP-80 ASME B31.3	1/2" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2
CL. 150 Bronze Globe Valve Metal Disc MSS SP-80 Type 1	GLBA-TBZ2330	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2
CL. 150 Bronze Globe Valve Metal Disc MSS SP-80 Type 1	GLBA-SBZ2330	MSS SP-80 ASME B31.3	1/2" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2

THIS IS PART OF  
 CRN 0C19200.5  
 Technical Standards & Safety Authority  
 Boilers & Pressure Vessels  
 Safety Program



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 2305 WYECROFT RD.  
 OAKVILLE, ONTARIO  
 L6L 6R2, CANADA

11-Jan-17

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**SCOPE OF CRN REGISTRATION CONTINUED**

Product Description	NCI Model	Design Code	Size Range	End Connection	Body and Bonnet Specification	MAWP at 150F (Note 1)	MAWP at MAWT (Note 1,2,3)	MDMT (Note 4)	Design Report
CL.150 Inline Bronze Lift Check Valve Non-Metallic Disc MSS SP-80 Type 2	CKVB-TBZ2373	MSS SP-80 ASME B31.3	1/2" Thru 2"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-3
CL.150 Inline Bronze Lift Check Valve Non-Metallic Disc MSS SP-80 Type 2	CKVB-SBZ2373	MSS SP-80 ASME B31.3	1/2" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-3
CL.150 Bronze Y-Type Check Valve Metal Disc MSS SP-80 Type 3	CKVA-TBZ2331	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.150 Bronze Y-Type Check Valve Metal Disc MSS SP-80 Type 3	CKVA-SBZ2331	MSS SP-80 ASME B31.3	1/4" Thru 3"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.150 Bronze Y-Type Check Valve Non-Metallic Disc MSS SP-80 Type 4	CKVA-TBZ2361	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.150 Bronze Y-Type Check Valve Non-Metallic Disc MSS SP-80 Type 4	CKVA-SBZ2361	MSS SP-80 ASME B31.3	1/4" Thru 3"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.300 Bronze Gate Valve Non-Rising Stem MSS SP-80 Type 1A Union Bonnet	GTVB-TBZ3333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-5
CL.300 Bronze Gate Valve Rising Stem MSS SP-80 Type 2 Union Bonnet	GTVA-TBZ3333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-5
CL. 300 Bronze Globe Valve Stainless Steel Disc and Seat MSS SP-80 Type 3 Union Bonnet	GLBA-TBZ3443U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-6
CL. 300 Bronze Globe Valve Metal Disc MSS SP-80 Type 1 Union Bonnet	GLBA-TBZ3333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-6

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 OAKVILLE, ONTARIO  
 L6L 6R2, CANADA

11-Jan-17

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**SCOPE OF CRN REGISTRATION CONTINUED**

Product Description	NCI Model	Design Code	Size Range	End Connection	Body and Bonnet Specification	MAWP at 150F (Note 1)	MAWP at MAWT (Note 1,2,3)	MDMT (Note 4)	Design Report
CL.300 Bronze Y-Type Check Valve Metal Disc MSS SP-80 Type 3	CKVA-TBZ3330	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	600 psig	300 psig at 550 F	-20F	R-0676-7

**Note 1:** The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by the seat or seal material or other considerations. Please consult NCI valve literature.

**Note 2:** Pressure-temperature ratings are in accordance with MSS SP-80 Table 1.

**Note 3:** Some codes (i.e., ASME BPVC, Section 1) limit the rating temperatures of ASTM B62 C83600 to 406F.

**Note 4:** The ratings given in MSS SP-80 at -20F to 150F shall also apply at lower temperatures. Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.

**Note 5:** The safe pressure-temperature rating of a solder-joint piping system is dependent, not only on the valve, fitting and tubing strength, but also on the composition of the solder used for the joints. Pressure-temperature limitations for solder joints made with typical commercial solders are given in Table A1 of MSS SP-80. It shall be the responsibility of the user to select a solder composition that is compatible with the service conditions, as well as to assure the adequacy of workmanship employed in making the joints.

