

January 24, 2022

**Attention:** Cecylia Garbacz  
TECHNICAL STANDARDS & SAFETY AUTHORITY  
345 CARLINGVIEW DRIVE  
TORONTO, ON M9W 6N9

The design submission, tracking number 2021-06792, originally received on December 16, 2021 was surveyed and accepted for registration as follows:

**CRN :** 0C14667.52 **Accepted on:** January 24, 2022  
**Reg Type:** RENEWAL **Expiry Date:** January 17, 2032  
**Drawing No. :** SCOPE OF REGISTRATION  
**Fitting type:** GATE, GLOBE & CHECK VALVES  
Design registered in the name of : CONBRACO INDUSTRIES INC

**The registration is conditional on your compliance with the following notes:**

*\*\* The Scope of this Registration include 10-years renewal, together with the addition of class 300 valves.*

*As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is other engineering analysis.*

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.*
- This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3337 or fax (780) 437-7787 or e-mail Dick@absa.ca.

Sincerely,



DICK, ASHLING, P. Eng.  
DOP Cert. No. D00007936



Technical Standards and Safety Authority  
 345 Carlingview Drive  
 Toronto, Ontario M9W 6N9  
 www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

**Apollo**®

## STATUTORY DECLARATION Registration of Fittings

I, David Edmonds, Senior Engineer  
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Aalberts Integrated Piping Systems Americas, Inc. (d/b/a Conbraco Industries, Inc.)  
(Name of Manufacturer)

Located at 1418 S. Pearl St., Pageland, SC 29728 843.672.6161 843.672.1648  
(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 9001:2015 which has been verified by the following authority, NSAI.

The items covered by this declaration, for which I seek registration, are category C type fittings. In support of this application, the following information and/or test data are attached as follows:  
Design Reports; Catalogs; Drawings. \*\*

(drawings, calculations, test reports, etc.)

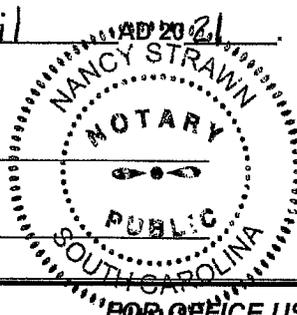
Declared before me at Pageland in the State of South Carolina

the 13<sup>th</sup> day of April

Commissioner for Oaths:

Nancy Strawn  
(Printed name)

Nancy Strawn  
(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 \_\_\_\_\_.

CRN: \_\_\_\_\_

Registered by: \_\_\_\_\_

Dated: \_\_\_\_\_

NOTE: This registration expires on: \_\_\_\_\_

2021-06792

**ABSA**

SAFETY CODES ACT - PROVINCE OF ALBERTA

**ACCEPTED: OC14667. 52**

See acceptance letter for conditions of registration.

Date: 2022-01-24 By: [Signature]  
ASHLING DICK, P. Eng.  
 DOP: D00007936

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

\*Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request. \*\* Gate, Globe & Check Valves. See attached Scope of Registration and a list of two manufacturing locations.

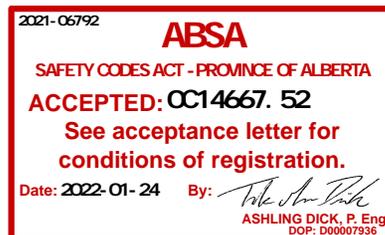
**Table 1\*\* Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			
30 series 30LF series	Valve body	ASTM B62 ASTM B61 ASTM B584	¼" to 3" NPS	-20°F	200 PSI 300 PSI 1000 PSI	125 PSI/406°F 150 PSI/406°F 300 PSI/406°F	CL 125 CL 150 CL 300	MSS SP-80; MSS SP-139	CPCA 2020 SECJ GGC Pg J2 - J4
33 series 33LF series	Valve body	ASTM B62 ASTM B61 ASTM B584	¼" to 3" NPS	-20°F	200 PSI 300 PSI 1000 PSI	125 PSI/406°F 150 PSI/406°F 300 PSI/406°F	CL 125 CL 150 CL 300	MSS SP-80; MSS SP-139	CPCA 2020 SECJ GGC Pg J7 – J8
61Y series 61YLF series	Valve body	ASTM B62 ASTM B61 ASTM B584	¼" to 3" NPS	-20°F	200 PSI 300 PSI 600 PSI	125 PSI/406°F 150 PSI/406°F 300 PSI/406°F	CL 125 CL 150 CL 300	MSS SP-80; MSS SP-139	CPCA 2020 SECJ GGC Pg J10 - J11

**Table 2 Additional Scope Information**

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example: Series X Options

\*\* For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41



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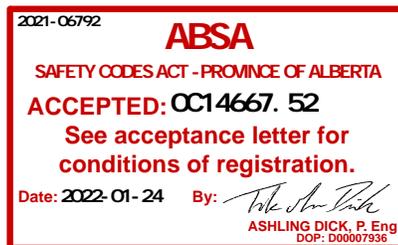


Tracking #: \_\_\_\_\_

**(2) Manufacturing Locations:**



**THIS IS PART OF CRN**  
OC14667.5R1  
Technical Standards and Safety Authority  
Boilers and Pressure Vessels Safety  
Program



This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

**MODEL 101S/101S-LF**  
 SOLDER END RISING STEM GATE VALVE



**FEATURES**

- Threaded Bonnet
- Solid Bronze Disc
- 200 CWP
- Max. Temp: 406°F
- Lead Free Option (NSF/ANSI/CAN 61 & NSF/ANSI 372)

**STANDARDS**

- MSS SP-80 Standard
- MSS SP-139 Lead Free Option (CWP only)
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

**APPROVALS**

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
30-083-01	30LF-083-01	1/2	1.88	4.85	1.00
30-084-01	30LF-084-01	3/4	2.43	5.71	1.30
30-085-01	30LF-085-01	1	2.96	6.71	2.20
30-086-01	30LF-086-01	1-1/4	3.14	8.10	3.20
30-087-01	30LF-087-01	1-1/2	3.44	9.08	4.40
30-088-01	30LF-088-01	2	4.11	11.28	7.00
30-089-01	30LF-089-01	2-1/2	4.79	14.58	13.80
30-080-01	30LF-080-01	3	5.43	19.07	17.70

Length is measured from end-to-end.  
 Height is measured from centerline to top of wheel in full open position.

**MODEL 101T/101T-LF**  
 NPT END RISING STEM GATE VALVE



**FEATURES**

- Threaded Bonnet
- Solid Bronze Disc
- 200 CWP
- 125 SWP
- Max. Temp: 406°F
- Lead Free Option (NSF/ANSI/CAN 61 & NSF/ANSI 372)

**STANDARDS**

- MSS SP-80 Standard
- MSS SP-139 Lead Free Option (CWP only)
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

**APPROVALS**

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
30-001-01	30LF-001-01	1/4	1.76	4.57	0.80
30-002-01	30LF-002-01	3/8	1.76	4.51	0.77
30-003-01	30LF-003-01	1/2	2.03	4.85	1.00
30-004-01	30LF-004-01	3/4	2.07	5.71	1.30
30-005-01	30LF-005-01	1	2.45	6.71	2.16
30-006-01	30LF-006-01	1-1/4	2.63	8.10	3.20
30-007-01	30LF-007-01	1-1/2	2.88	9.08	4.36
30-008-01	30LF-008-01	2	3.06	11.28	7.01
30-009-01	30LF-009-01	2-1/2	4.13	14.58	13.79
30-000-01	30LF-000-01	3	4.48	19.07	17.70

Length is measured from end-to-end.  
 Height is measured from centerline to top of wheel in full open position.

**MODEL 102S/102S-LF**  
 SOLDER END-NON RISING STEM GATE VALVE



**FEATURES**

- Threaded Bonnet
- Solid Bronze Disc
- 200 CWP
- Max. Temp: 406°F
- Lead Free Option (NSF/ANSI/CAN 61 & NSF/ANSI 372)

**STANDARDS**

- MSS SP-80 Standard
- MSS SP-139 Lead Free Option (CWP only)
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

**APPROVALS**

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
30-043-01	30LF-043-01	1/2	1.88	3.56	0.85
30-044-01	30LF-044-01	3/4	2.43	4.05	1.19
30-045-01	30LF-045-01	1	2.96	4.55	1.98
30-046-01	30LF-046-01	1-1/4	3.14	5.14	2.80
30-047-01	30LF-047-01	1-1/2	3.44	6.02	3.95
30-048-01	30LF-048-01	2	4.11	7.09	5.88
30-049-01	30LF-049-01	2-1/2	4.79	9.11	12.19
30-040-01	30LF-040-01	3	5.43	12.61	16.84

Length is measured from end-to-end. Height is measured from centerline to top of wheel in full open position.

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**OC14667.5R1**  
 Technical Standards and Safety Authority  
 Boilers and Pressure Vessels Safety Program

GATE, GLOBE & CHECK VALVES

**MODEL 102T/102T-LF**  
NPT END NON-RISING STEM GATE VALVE



**FEATURES**

- Threaded Bonnet
- Solid Bronze Disc
- 200 CWP
- 125 SWP
- Max Temp: 406°F
- Lead Free Option (NSF/ANSI/CAN 61 & NSF/ANSI 372)

**STANDARDS**

- MSS SP-80 Standard
- MSS SP-139 Lead Free Option (CWP only)
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

**APPROVALS**

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
30-031-01	30LF-031-01	1/4	1.76	3.29	0.74
30-032-01	30LF-032-01	3/8	1.76	3.29	0.71
30-033-01	30LF-033-01	1/2	2.03	3.56	0.85
30-034-01	30LF-034-01	3/4	2.07	4.05	1.19
30-035-01	30LF-035-01	1	2.45	4.55	1.98
30-036-01	30LF-036-01	1-1/4	2.63	5.14	2.80
30-037-01	30LF-037-01	1-1/2	2.88	6.02	3.95
30-038-01	30LF-038-01	2	3.06	7.09	5.88
30-039-01	30LF-039-01	2-1/2	4.13	9.11	12.19
30-030-01	30LF-030-01	3	4.48	12.61	16.84

Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.

**MODEL 102T-K**  
NPT END NON-RISING STEM IRRIGATION GATE VALVE

**FEATURES**

- Threaded Bonnet
- Solid Bronze Disc
- Bronze Cross-Handle (Irrigation)
- 200 CWP
- 125 SWP
- Max Temp: 406°F
- SS Stem Nut

**STANDARDS**

- MSS SP-80 Standard
- ASTM B62 Bronze

**APPROVALS**

- CRN OC14667



PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
30-033-01K	1/2	2.03	3.56	0.85
30-034-01K	3/4	2.07	4.05	1.19
30-035-01K	1	2.45	4.55	1.98
30-036-01K	1-1/4	2.63	5.14	2.80
30-037-01K	1-1/2	2.88	6.02	3.95
30-038-01K	2	3.06	7.09	5.88
30-039-01K	2-1/2	4.13	9.11	12.19
30-030-01K	3	4.48	12.61	16.84

Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.  
30LF-03X-01K available upon request.

**MODEL 103T**  
NPT END RISING STEM GATE VALVE

**FEATURES**

- Threaded Bonnet
- Solid Bronze Disc
- 200 CWP
- 125 SWP
- Max. Temp: 406°F
- Lead Free Option (NSF/ANSI/CAN 61 & NSF/ANSI 372)

**STANDARDS**

- MSS SP-80 Standard
- ASTM B62 Bronze

**APPROVALS**

- CRN OC14667



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PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
30-051-01	1/4	1.76	4.57	0.90
30-052-01	3/8	1.76	4.51	0.86
30-053-01	1/2	2.03	4.85	1.07
30-054-01	3/4	2.07	5.71	1.43
30-055-01	1	2.45	6.71	2.44
30-056-01	1-1/4	2.63	8.10	3.71
30-057-01	1-1/2	2.88	9.08	4.89
30-058-01	2	3.06	11.28	7.53
30-059-01	2-1/2	4.96	14.58	15.33
30-050-01	3	4.48	19.07	19.56

Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.

GATE, GLOBE & CHECK VALVES

**MODEL 106T**  
CLASS 150 NPT NON-RISING STEM GATE VALVE

**FEATURES**

- Threaded Bonnet
- Solid Bronze Disc
- 300 CWP
- 150 SWP
- Max. Temp: 406°F

**STANDARDS**

- Meets MSS SP-80 Standard
- ASTM B62 Bronze Materials

**APPROVALS**

- CRN OC14667



PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
30-281-01	1/4	1.76	3.29	0.74
30-282-01	3/8	1.76	3.29	0.71
30-283-01	1/2	2.03	3.56	0.98
30-284-01	3/4	2.07	4.05	1.21
30-285-01	1	2.45	4.55	1.98
30-286-01	1-1/4	2.63	5.14	2.80
30-287-01	1-1/2	2.88	6.02	4.06
30-288-01	2	3.06	7.09	5.88
30-289-01	2-1/2	4.13	9.11	12.19
30-280-01	3	4.48	12.61	16.90

*Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.*

**MODEL 107T**  
CLASS 150 NPT RISING STEM GATE VALVE

**FEATURES**

- Union Bonnet
- Solid Bronze Disc
- 300 CWP
- 150 SWP
- Max. Temp: 406°F

**STANDARDS**

- Meets MSS SP-80 Standard
- ASTM B62 Bronze Materials

**APPROVALS**

- CRN OC14667



PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
30-201-01	1/4	1.76	4.57	0.90
30-202-01	3/8	1.76	4.51	0.86
30-203-01	1/2	2.03	4.85	1.07
30-204-01	3/4	2.07	5.71	1.43
30-205-01	1	2.45	6.71	2.50
30-206-01	1-1/4	2.63	8.10	3.69
30-207-01	1-1/2	2.88	9.13	5.01
30-208-01	2	3.06	11.28	7.53
30-209-01	2-1/2	4.13	14.58	15.33
30-200-01	3	4.48	16.90	19.56

*Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.*

**MODEL 111T/116T**  
CLASS 300 NPT RISING STEM GATE VALVE

**FEATURES**

- Union Bonnet
- Solid Bronze Disc
- Model 116T has Type 316 SS Seats
- 1000 CWP
- 300 SWP
- Max. Temp: 422°F

**STANDARDS**

- Meets MSS SP-80 Standard
- ASTM B61 Bronze Materials

**APPROVALS**

- CRN OC14667



PART NUMBER	SS SEAT PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
30-443-01	30-453-01	1/2	2.31	4.97	1.40
30-444-01	30-454-01	3/4	2.56	6.22	2.30
30-445-01	30-455-01	1	2.89	6.94	3.50
30-446-01	30-456-01	1-1/4	3.01	8.29	5.10
30-447-01	30-457-01	1-1/2	3.05	9.28	6.80
30-448-01	30-458-01	2	3.08	11.37	9.60

*Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.*

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GATE, GLOBE & CHECK VALVES

## MODEL 120S/120S-LF SOLDER END GLOBE VALVE



### FEATURES

- Threaded Bonnet
- PTFE Disc
- 200 CWP
- Max. Temp: 406°F
- Lead Free Option (NSF/ANSI/CAN 61 & NSF/ANSI 372)

### STANDARDS

- MSS SP-80 Standard
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

### APPROVALS

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
33-143-01	33LF-143-01	1/2	2.97	3.47	1.00
33-144-01	33LF-144-01	3/4	3.83	4.75	1.90
33-145-01	33LF-145-01	1	4.57	5.40	2.80
33-146-01	33LF-146-01	1-1/4	5.95	7.80	7.30
33-147-01	33LF-147-01	1-1/2	5.95	7.80	6.80
33-148-01	33LF-148-01	2	7.18	8.43	10.60

Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.

## MODEL 120T/120T-LF CLASS 125 NPT GLOBE VALVE



### FEATURES

- Threaded Bonnet
- PTFE Disc
- 200 CWP
- 125 SWP
- Max. Temp: 406°F
- Lead Free Option (NSF/ANSI/CAN 61 & NSF/ANSI 372)

### STANDARDS

- SS SP-80 Standard
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

### APPROVALS

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
33-132-01	33LF-132-01	3/8	2.39	3.37	1.00
33-133-01	33LF-133-01	1/2	2.70	3.47	1.10
33-134-01	33LF-134-01	3/4	3.20	4.75	1.90
33-135-01	33LF-135-01	1	3.75	5.40	3.00
33-136-01	33LF-136-01	1-1/4	4.74	7.78	7.30
33-137-01	33LF-137-01	1-1/2	4.74	7.78	7.00
33-138-01	33LF-138-01	2	5.72	8.43	10.70

Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.

## MODEL 121T/121T-LF CLASS 125 NPT GLOBE VALVE



### FEATURES

- Threaded Bonnet
- Solid Bronze Disc
- 200 CWP
- 125 SWP
- Max. Temp: 406°F
- Lead Free Option (NSF/ANSI/CAN 61 & NSF/ANSI 372)

### STANDARDS

- MSS SP-80 Standard
- MSS SP-139 Lead Free Option (CWP only)
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

### APPROVALS

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
33-161-01	33LF-161-01	1/4	2.39	3.46	1.00
33-162-01	33LF-162-01	3/8	2.39	3.46	1.00
33-163-01	33LF-163-01	1/2	2.70	3.56	1.10
33-164-01	33LF-164-01	3/4	3.20	4.75	1.90
33-165-01	33LF-165-01	1	3.75	5.40	3.00
33-166-01	33LF-166-01	1-1/4	4.74	7.78	7.30
33-167-01	33LF-167-01	1-1/2	4.74	7.78	7.00
33-168-01	33LF-168-01	2	5.72	8.43	11.00

Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.

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Technical Standards and Safety Authority

Boilers and Pressure Vessels Safety Program

## MODEL 122T CLASS 150 NPT GLOBE VALVE

### FEATURES

- Union Bonnet
- PTFE Disc
- 300 CWP
- 150 SWP
- Max. Temp: 406°F

### STANDARDS

- Meets MSS SP-80 Standard
- ASTM B62 Bronze Materials

### APPROVALS

- CRN OC14667



PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
33-221-01	1/4	2.39	4.23	1.40
33-222-01	3/8	2.39	4.23	1.40
33-223-01	1/2	2.70	4.31	1.40
33-224-01	3/4	3.20	4.89	2.20
33-225-01	1	3.75	5.40	3.50
33-226-01	1-1/4	4.74	7.79	7.70
33-227-01	1-1/2	4.74	7.79	7.40
33-228-01	2	5.20	8.76	12.40
33-229-01	2-1/2	6.60	10.07	18.80
33-220-01	3	7.74	11.39	25.50

*Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.*

## MODEL 127T CLASS 300 NPT GLOBE VALVE

### FEATURES

- Union Bonnet
- Bronze Disc and Seat
- 1000 CWP
- 300 SWP
- Max. Temp: 422°F

### STANDARDS

- Meets MSS SP-80 Standard
- ASTM B61 Bronze Materials

### APPROVALS

- CRN OC14667



PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
33-663-01	1/2	2.70	5.40	1.78
33-664-01	3/4	3.20	5.86	2.28
33-665-01	1	4.00	6.71	4.22
33-666-01	1-1/4	5.25	8.50	8.30
33-667-01	1-1/2	5.25	8.50	8.10
33-668-01	2	6.25	9.75	13.00

*Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.*

## MODEL 128T CLASS 300 GLOBE VALVE

### FEATURES

- Union Bonnet
- Type 420 Stainless Steel Disc and Seat Ring
- 1000 CWP
- 300 SWP
- Max. Temp: 422°F

### STANDARDS

- Meets MSS SP-80 Standard
- ASTM B61 Bronze Materials

### APPROVALS

- CRN OC14667



PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
33-743-01	1/2	2.70	5.40	1.78
33-744-01	3/4	3.20	5.86	2.28
33-745-01	1	4.00	6.71	4.22
33-746-01	1-1/4	5.25	8.50	8.30
33-747-01	1-1/2	5.25	8.50	8.10
33-748-01	2	6.25	9.75	13.00

*Length is measured from end-to-end.  
Height is measured from centerline to top of wheel in full open position.*

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## MODEL 161S/161S-LF BRONZE DISC SWING CHECK



### FEATURES

- Y-Pattern
- Solder Ends
- Bronze Seat
- 200 CWP
- Lead Free Option (NSF/ANSI 372)

### STANDARDS

- MSS SP-80 Standard
- MSS SP-139 Lead Free Option (CWP only)
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

### APPROVALS

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
61Y-093-01	61YLF-093-01	1/2	2.53	1.65	0.62
61Y-094-01	61YLF-094-01	3/4	3.36	1.90	0.91
61Y-095-01	61YLF-095-01	1	4.07	2.26	1.70
61Y-096-01	61YLF-096-01	1-1/4	4.68	2.65	2.00
61Y-097-01	61YLF-097-01	1-1/2	5.28	2.99	2.70
61Y-098-01	61YLF-098-01	2	6.50	3.74	4.90
61Y-099-01	-	2-1/2	8.30	5.11	9.70
61Y-090-01	-	3	9.58	6.05	15.00

Height is measured from centerline to top of unit.

## MODEL 161T/161T-LF CLASS 125 BRONZE DISC SWING CHECK



### FEATURES

- Y-Pattern
- NPT
- Bronze Seat
- 200 CWP
- 125 SWP
- Lead Free Option (NSF/ANSI 372)

### STANDARDS

- MSS SP-80 Standard
- MSS SP-139 Lead Free Option (CWP only)
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

### APPROVALS

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
61Y-191-01	61YLF-191-01	1/4	2.14	1.51	0.64
61Y-192-01	61YLF-192-01	3/8	2.14	1.51	0.62
61Y-193-01	61YLF-193-01	1/2	2.48	1.65	0.73
61Y-194-01	61YLF-194-01	3/4	2.94	1.90	1.06
61Y-195-01	61YLF-195-01	1	3.57	2.26	1.70
61Y-196-01	61YLF-196-01	1-1/4	4.50	2.99	3.30
61Y-197-01	61YLF-197-01	1-1/2	4.50	2.99	3.10
61Y-198-01	61YLF-198-01	2	5.25	3.74	5.50
61Y-199-01	-	2-1/2	8.00	5.11	11.70
61Y-190-01	-	3	9.24	6.05	17.80

Height is measured from centerline to top of unit.

## MODEL 162T VITON® DISC SWING CHECK

### FEATURES

- Y-Pattern
- NPT
- Viton Elastomer Seat
- 200 CWP
- 125 SWP

### STANDARDS

- MSS SP-80 Standard
- ASTM B62 Bronze

### APPROVALS

- CRN OC14667



PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
61Y-201-V1	1/4	2.14	1.51	0.64
61Y-202-V1	3/8	2.14	1.51	0.62
61Y-203-V1	1/2	2.48	1.65	0.73
61Y-204-V1	3/4	2.94	1.90	1.06
61Y-205-V1	1	3.57	2.26	1.70
61Y-206-V1	1-1/4	4.50	2.99	3.30
61Y-207-V1	1-1/2	4.50	2.99	3.10
61Y-208-V1	2	5.25	3.74	5.40

Height is measured from centerline to top of unit.

## MODEL 163S/163S-LF 200 CWP PTFE DISC SWING CHECK



### FEATURES

- Y-Pattern
- Solder
- PTFE Soft Seat
- 200 CWP
- Lead Free Option (NSF/ANSI 372)

### STANDARDS

- MSS SP-80 Standard
- MSS SP-139 Lead Free Option (CWP only)
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

### APPROVALS

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
61Y-103-T1	61YLF-103-T1	1/2	2.53	1.65	0.62
61Y-104-T1	61YLF-104-T1	3/4	3.36	1.90	0.91
61Y-105-T1	61YLF-105-T1	1	4.07	2.26	1.70
61Y-106-T1	61YLF-106-T1	1-1/4	5.28	2.99	3.20
61Y-107-T1	61YLF-107-T1	1-1/2	5.28	2.99	2.70
61Y-108-T1	61YLF-108-T1	2	6.50	3.74	4.90

Height is measured from centerline to top of unit.

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**MODEL 163T/163T-LF**  
CLASS 125 PFTE DISC SWING CHECK



**FEATURES**

- Y-Pattern
- NPT
- PTFE Soft Seat
- 200 CWP
- 125 SWP
- Lead Free Option (NSF/ANSI 372)

**STANDARDS**

- MSS SP-80 Standard
- MSS SP-139 Lead Free Option (CWP only)
- ASTM B62 Bronze (ASTM B584-C89836 Lead Free)

**APPROVALS**

- CRN OC14667



PART NUMBER	LF PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
61Y-201-T1	-	1/4	2.14	1.51	0.64
61Y-202-T1	-	3/8	2.15	1.51	0.62
61Y-203-T1	61YLF-203-T1	1/2	2.48	1.65	0.73
61Y-204-T1	61YLF-204-T1	3/4	2.94	1.90	1.06
61Y-205-T1	61YLF-205-T1	1	3.57	2.26	1.70
61Y-206-T1	61YLF-206-T1	1-1/4	4.50	2.99	3.30
61Y-207-T1	61YLF-207-T1	1-1/2	4.50	2.99	3.10
61Y-208-T1	61YLF-208-T1	2	5.25	3.74	5.40

Height is measured from centerline to top of unit.

**MODEL 164T**  
CLASS 150 BRONZE DISC SWING CHECK

**FEATURES**

- Y-Pattern
- NPT
- Bronze Seat
- 300 CWP
- 150 SWP

**STANDARDS**

- MSS SP-80 Standard
- ASTM B62 Bronze

**APPROVALS**

- CRN OC14667



PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
61Y-211-01	1/4	2.14	1.51	0.64
61Y-212-01	3/8	2.14	1.51	0.62
61Y-213-01	1/2	2.48	1.65	0.73
61Y-214-01	3/4	2.94	1.90	1.06
61Y-215-01	1	3.57	2.26	1.70
61Y-216-01	1-1/4	4.50	2.99	3.30
61Y-217-01	1-1/2	4.50	2.99	3.10
61Y-218-01	2	5.25	3.74	5.50
61Y-219-01	2-1/2	8.00	5.11	11.70
61Y-210-01	3	9.24	6.05	17.80

Height is measured from centerline to top of unit.

**MODEL 168T**  
CLASS 300 BRONZE DISC SWING CHECK

**FEATURES**

- Y-Pattern
- NPT
- Bronze Seat
- 600 CWP
- 300 SWP

**STANDARDS**

- MSS SP-80 Standard
- ASTM B61 Bronze

**APPROVALS**

- CRN OC14667



PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
61Y-753-01	1/2	2.50	1.65	.75
61Y-754-01	3/4	2.95	1.90	1.20
61Y-755-01	1	3.57	2.27	1.80
61Y-756-01	1-1/4	4.50	3.00	3.50
61Y-757-01	1-1/2	4.50	3.00	3.20
61Y-758-01	2	5.25	3.75	5.60

Height is measured from centerline to top of unit.

**MODEL 169T**  
CLASS 300 PTFE DISC SWING CHECK

**FEATURES**

- Y-Pattern
- NPT
- PTFE Soft Seat
- 600 CWP
- 300 SWP

**STANDARDS**

- MSS SP-80 Standard
- ASTM B61 Bronze

**APPROVALS**

- CRN OC14667



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PART NUMBER	NPS	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LB.)
61Y-753-T1	1/2	2.5	1.65	.75
61Y-754-T1	3/4	2.95	1.90	1.20
61Y-755-T1	1	3.57	2.27	1.80
61Y-756-T1	1-1/4	4.50	3.00	3.50
61Y-757-T1	1-1/2	4.50	3.00	3.20
61Y-758-T1	2	5.25	3.75	5.60

Height is measured from centerline to top of unit.

GATE, GLOBE & CHECK VALVES