



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

www.tssa.org

January 17, 2022

CONBRACO INDUSTRIES
1418 S. PEARL STREET
PAGELAND SC 29728
USA

Workorder Type: Registration - Fitting(Conventional)

Workorder No: 8016030

Your Reference No.: RENEWAL OF CRN#0C14667.5

Registered to: AALBERTS INTEGRATED PIPING SYSTEMS AMERICAS, INC. (D/B/A CONBRACO INDUSTRIES)

Dear DAVID EDMONDS,

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

CRN : 0C14667.5R1

Main Design No.: RENEWAL - GATE, GLOBE & CHECK VALVES – SEE SCOPE OF REGISTRATION - TWO MANUFACTURING LOCATIONS

Expiry Date: Jan 17, 2032

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 (There will be no hard copies for electronic submissions). 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. 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
Engineer, BPV
Tel. : +1 416-734-3566
Email : Wdu@tssa.org



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.)

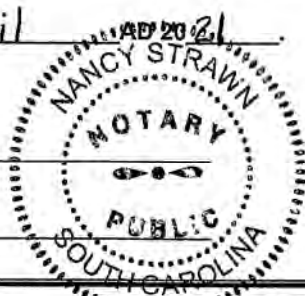
Declared before me at Pageland in the State of South Carolina

the 13th day of April 2021

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: _____



This Document has been digitally signed and approved.
 The stamp size has been optimized for 11 x 17 documents.

Technical Standards and Safety Authority
 Boilers and Pressure Vessels Safety Program

REGISTERED

C.R.N.: 0C14667.5R1

Signed: [Signature]

Date: January 17, 2022.

NOTE: This registration expires on: Jan. 17, 2032

RENEWAL - GATE, GLOBE & CHECK VALVES - SEE SCOPE OF REGISTRATION - TWO MANUFACTURING LOCATIONS

**Information provided in this application is releasable under the Freedom of Information and Privacy Protection Act and may be disclosed upon request.*

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	1/4" to 3" NPS	-20°F	200 PSI	125 PSI/406°F	CL 125	MSS SP-80; MSS SP-139	CPCA 2020 SECJ GGC Pg J2 - J4
		ASTM B61			300 PSI	150 PSI/406°F	CL 150		
		ASTM B584			1000 PSI	300 PSI/406°F	CL 300		
33 series 33LF series	Valve body	ASTM B62	1/4" to 3" NPS	-20°F	200 PSI	125 PSI/406°F	CL 125	MSS SP-80; MSS SP-139	CPCA 2020 SECJ GGC Pg J7 - J8
		ASTM B61			300 PSI	150 PSI/406°F	CL 150		
		ASTM B584			1000 PSI	300 PSI/406°F	CL 300		
61Y series 61YLF series	Valve body	ASTM B62	1/4" to 3" NPS	-20°F	200 PSI	125 PSI/406°F	CL 125	MSS SP-80; MSS SP-139	CPCA 2020 SECJ GGC Pg J10 - J11
		ASTM B61			300 PSI	150 PSI/406°F	CL 150		
		ASTM B584			600 PSI	300 PSI/406°F	CL 300		

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

THIS IS PART OF CRN
0C14667.5R1
Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety Program

(2) Manufacturing Locations:



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

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.

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

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



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.

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

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.*

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

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.

**THIS IS PART OF CRN
OC14667.5R1**

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.

**THIS IS PART OF CRN
OC14667.5R1**

Technical Standards and Safety Authority
Boilers and Pressure Vessels Safety
Program

GATE, GLOBE & CHECK VALVES

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.

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

GATE, GLOBE & CHECK VALVES

MODEL 163T/163T-LF
CLASS 125 PTFE 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



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

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.