

'Apollo' Valves

SUBMITTAL SHEET

LEAD FREE

102S LF

Class 125, Non Rising Stem, Solder **Gate Valve**



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO Number:	
Representative:	
Wholesale Distributor:	



DESCRIPTION

The "Lead-Free*" Apollo Model 102S-LF (30LF Series) Gate Valve provides a "Made in the USA" alternative to globally sourced multi-turn valves for potable water service. These valves are cast, machined, assembled, and tested in South Carolina using proven ASTM quality Lead Free materials.

FEATURES

- Lead-Free* – ANSI 3rd Party Certified
- Full Port design
- Guided Solid Bronze Disc
- Adjustable Graphite Stem Packing
- Non-Rising Stem
- Solder Connections
- Screw-in Bonnet
- Rugged Malleable Iron Hand Wheel
- Back seat protection
- 100% Factory tested
- **Cast, Machined and Assembled in the USA**
- ARRA Compliant

STANDARDS

- MSS SP-139, "Copper Alloy Bronze Gate, Globe, & Check Valves"
- NSF/ANSI 61-8 2010, Annex F & G
- ASME B16.18, "Cast Copper Alloy Solder Joint Pressure Fittings"
- CSA B51 CRN 0C14667.5

PERFORMANCE RATING

- Cold Working Pressure: 200 psi (13.8 Bar) at 100°F
- Temperature Range: -20°F to 406°F

STANDARD MATERIALS LIST

Part Name	Material
Body	ASTM B584-C89836 Bronze
Bonnet	ASTM B584-C89836 Bronze
Stem	ASTM B371-C69400 Bronze
Disc	ASTM B584-C89836 Bronze
Packing	Grafoil®
Packing Nut	ASTM B16 Brass
Hand Wheel	Malleable Iron
Nameplate	Aluminum

ORDER INFORMATION

Model Number	Part Number	Size (in.)
102S12LF	30LF-043-01	1/2"
102S34LF	30LF-044-01	3/4"
102S1LF	30LF-045-01	1"
102S114LF	3LF0-046-01	1-1/4"
102S112LF	30LF-047-01	1-1/2"
102S2LF	30LF-048-01	2"
102S212LF	30LF-049-01	2-1/2"
102S3LF	30LF-040-01	3"

DIMENSIONS

Height open (in.)	Length (in.)	Weight (lbs)	Cv** (gpm)
3.56	1.88	.85	12.5
4.05	2.43	1.19	24.0
4.55	2.96	1.98	72.3
5.14	3.14	2.8	80.0
6.02	3.44	3.95	119.0
7.09	4.11	5.88	338.0
9.11	4.79	12.19	395.0
12.61	5.43	16.84	435.0

**Cv = flowrate at 1.0 psid

* **LEAD FREE:** The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with CA AB1953, VT Act 193, MD HB372, LA HB471 and Federal Public Law 111-380. ANSI 3rd party approved and listed.

Apollo Valves, Manufactured by **Conbraco Industries, Inc.**
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