

12IT LF

Class 125, PTFE Seat, NPT Globe Valve

LEAD FREE

SUBMITTAL SHEET

"Apollo" Flow Controls



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

DESCRIPTION

The lead free* Apollo® Model 12IT-LF (33 Series) Globe Valve provides a reliable, long lasting, "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 materials.

FEATURES

- Lead Free* ABI953 Certified
- Ideal for Throttling/Flow Control Applications
- Dezincification Resistant Bronze Construction
- Adjustable Graphite Stem Packing
- Rising Stem
- NPT Connection
- Screw-in Bonnet
- Rugged Malleable Iron Hand Wheel
- Back seat protection
- 100% Factory tested to MSS Requirements
- **100% Cast, Machined and Assembled in the USA**
- ARRA Compliant

PERFORMANCE RATING

- Saturated Steam: 125 psi (8.6 Bar) to 353°F(178°C)
- Cold Working Pressure: 200 psi (13.8 Bar) at 100°F
- Temperature Range: -20°F to 406°F

APPROVALS

- MSS SP-80 Design & Testing
- MSS SP-139, "Copper Alloy Gate, Globe, & Check Valves"
- NSF/ANSI 61-8, Annex G
- NSF 372 Lead Free
- ASME B1.20.1, "Pipe Threads, General Purpose (Inch)"
- CSA B51 CRN OC14667.5

STANDARD MATERIALS LIST

Body	ASTM B584 C89836 Bronze
Bonnet	ASTM B584 C89836 Bronze
Stem	ASTM B21 UNS C46400
Disc	ASTM B371 / B505
Packing	Grafoil®
Hand Wheel	Malleable Iron
Nameplate	Aluminum

DIMENSIONS

MODEL NO.	PART NO.	SIZE (IN.)	HEIGHT OPEN (IN.)	LENGTH (IN.)	WEIGHT (LB.)	CV** (GPM)
12IT14LF	33LF-161-01	1/4"	3.46	2.39	1.0	1.4
12IT38LF	33LF-162-01	3/8"	3.46	2.39	1.0	2.6
12IT12LF	33LF-163-01	1/2"	3.56	2.70	1.1	4.4
12IT34LF	33LF-164-01	3/4"	4.75	3.20	1.9	7.4
12IT1LF	33LF-165-01	1"	5.40	3.75	3.0	12.1
12IT14LF	33LF-166-01	1-1/4"	7.78	4.74	7.3	29.0
12IT12LF	33LF-167-01	1-1/2"	7.78	4.74	7.0	30.0
12IT2LF	33LF-168-01	2"	8.43	5.72	11.0	49.0

**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 Federal Public Law III-380. ANSI 3rd party approved and listed.

Customer Service (704) 841-6000
www.apolloflowcontrols.com

This specification is provided for reference only. Conbraco Industries Inc. reserves the right to change any portion of this specification without notice and without incurring obligation to make such changes to Conbraco products previously or subsequently sold. Please visit apolloflowcontrols.com for the most current information.

