163S-LF Series

Class 125, PTFE Disc, Solder Swing Check

LEAD FREE

SUBMITTAL SHEET

"Apollo"® Flow Controls

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

DESCRIPTION

The lead free* Apollo® Model 163S-LF (61YLF Series) Swing Check provides a reliable, long lasting, "Made in the USA" alternative to globally sourced check valves for potable water service. These valves are cast, machined, assembled, and tested in South Carolina using proven ASTM quality materials. The Apollo® Swing Check may be installed in either horizontal or vertical orientation with upward flow.

FEATURES

- Lead Free* – ANSI 3rd Party Certified
- Dezincification Resistant Bronze Construction
- Renewable PTFE Seat Disc
- 100% Factory tested per MSS SP-139
- Solder Connection
- **Cast, Machined and Assembled in the USA**
- ARRA Compliant

PERFORMANCE RATING

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

**Valves should be in open position to allow complete drainage during freezing conditions.*

APPROVALS

- MSS SP-80 Design & Tested
- MSS SP-139, "Copper Alloy Gate, Globe, & Check Valves"
- ASME B16.18, "Cast Copper Alloy Solder Joint Pressure Fittings
- CSA B51 CRN 0C14667.5

PRECAUTIONARY NOTE:

Not recommended for applications which may induce pulsation or repetitive vibration. See Installation Manual for details.

STANDARD MATERIALS LIST

Body	ASTM B584-C89836 Bronze
Cap	ASTM B584-C89836 Bronze
Hanger	304 Stainless Steel or ASTM B584 C89836 Bronze
Pin	304 Stainless Steel
Seat	PTFE
Plug	ASTM B16 Brass

DIMENSIONS

MODEL NUMBER	PART NUMBER	SIZE (IN.)	HEIGHT (IN.)	LENGTH (IN.)	WEIGHT (LB.)	CV (GPM)
163S12LF	61YLF-103-T1	1/2"	1.65	2.53	.62	7.0
163S34LF	61YLF-104-T1	3/4"	1.9	3.36	.91	12.0
163S1LF	61YLF-105-T1	1"	2.26	4.07	1.7	28.6
163S114LF	61YLF-106-T1	1-1/4"	2.99	5.28	3.2	39.0
163S112LF	61YLF-107-T1	1-1/2"	2.99	5.28	2.7	56.0
163S2LF	61YLF-108-T1	2"	3.74	6.50	4.9	152.0

Warning: Do not use in reciprocating compressor service.

**LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law 111-380. ANSI 3rd party approved and listed.*