

82LF-100 Series

3-Piece Full Port, Threaded End Bronze Ball Valve

1/2" - 2-1/2" 1/2" - 2-1/2"

. 1/2" - 2"

1/2" - 2"

1/2" - 2"

1/2" - 2" 1/2" - 2"

1/4" - 2"

1/2" - 2" 1/2" - 2-1/2"

1/2" - 2"

1/2" - 2"

1/2" - 1-1/4"

1/2" - 2-1/2"

1/2" - 2-1/2"

3/4" - 2-1/2"

3/4" - 2-1/2"

1/2" - 2-1/2"

1/2" - 2-1/2"

1/2" - 2"

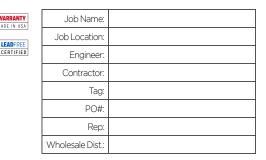
1/2" - 2"

3/4" - 2"

1/2" - 2-1/2"

LEAD FREE





DESCRIPTION

The Apollo® 82LF Series offers the same rugged features as the standard 82 Series with the added advantage of Lead Free® materials. Designed to provide long service life and ease of in-line maintenance. SAE grade body bolts are standard. These valves are cast and machined in Apollo's South Carolina manufacturing plants.

FEATURES

- ASTM B584 Bronze Body and Ends
- SAE Grade 8 Body Bolts
- Adjustable Packing Nut
- Full Port Flow
- 600 CWP, 150 SWP
- Numerous Options Available
- 82-14X with SS Ball and Stem Option
- Easily Identifiable White Handle Grip and • Blue "Lead Free" Hang Tag
- 100% Factory Tested
- Made in USA ARRA Compliant

PERFORMANCE RATING

- Maximum Pressure: 600 psi CWP | 150 psi SWP (Recommend SS ball & stem in 150 SWP applications)
- Maximum Temperature: 400°F Vacuum Service to 29 in. Hg

MODELS

- 82LF100 Series Standard Materials/Lever
- 82LF140 Series 316 SS Vented Ball & Stem

APPROVALS

- MSS SP-110; Ball Valves, Threaded,
- Socket-Welding, Solder Joint •
- CSA B51 CRN: 0C10908.5C
- NSF/ANSI 61 Water Quality
- NSF/ANSI 372 Lead Free

- **OPTIONS & SIZES**
- (-01) Lever Handle (Standard)
- (-02) Stem Grounded
- (-04) 2-1/4" CS Stem Extension
- (-07) Steel Tee Handle
- (-08) 90° Reversed Stem
- (-10) SS Lever & Nut
- (-11) Therma-Seal[™] 2-1/4" Tee Handle 1/2" - 2" 1/2" - 2-1/2"
- (-14) Side Vented Ball (Uni-Directional) (-15) Wheel Handle, Steel
- (-16) Chain Lever-Vertical
- (-18) Plain Yellow Grip
- (-19) Lock Plate
- (-20) Slot Vented Ball
- (-27) SS Latch-Lock Lever & Nut
- (-30) Cam-Lock & Grounded
- (-32) SS Tee Handle & Nut
- (-39) SS Hi-Rise Locking Wheel Handle & Nut
- (-40) Cyl-Loc & Grounded
- (-45) Less Lever & Nut
- (-46) Latch Lock Lever-Lock Closed Position Only
- (-47) SS Oval Latch-Lock Handle & Nut 1/2" 3/4"
- (-48) SS Oval Handle & Nut (No Latch) 1/2" 2"
- (-49) Assembled Dry
- (-50) 2-1/4" Cs Locking Stem Ext.
- (-57) Oxygen Cleaned
- (-58) Chain Lever-Horizontal
- (-59) SS External Trim
- (-60) Static Grounded Ball & Stem
- (-62) Body Center Section Only
- (-63) NPT X Solder
- (-92) Balancing Stop
- (-94) -04 Option & Balancing Stop 1/2" - 2"
- 1/4" 2-1/2" • (-P01) BSPP (Parallel) Thread Conn.
- (-T01) BSPT (Tapered) Thread Conn. 1/4" 2-1/2"

* Note: some options for lead free valves may be subject to availability and minimum order requirements. Please consult the factory for details.

STANDARD MATERIALS LIST

LEVER AND GRIP	Steel, Zinc Plated w/ Vinyl				
STEM PACKING	MPTFE				
STEM BEARING	RPTFE				
BALL	C27451 Lead Free* Brass, Chrome Plated DZR				
SEAT (2)	RPTFE				
END CAP (2)	C89836 Lead Free* Bronze				
STEM	C27451 Lead Free* DZR Brass				
LEVER NUT	Steel, Zinc Plated				
BODY BOLT	Steel, Zinc Plated				
HEX NUT	Steel, Zinc Plated				
BODY	ASTM B584-C89836 Lead Free Bronze				

*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.

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- 1/2" 1-1/4"
- 1/2" 2" 1/2" - 2-1/2"
- 1/2" 2"

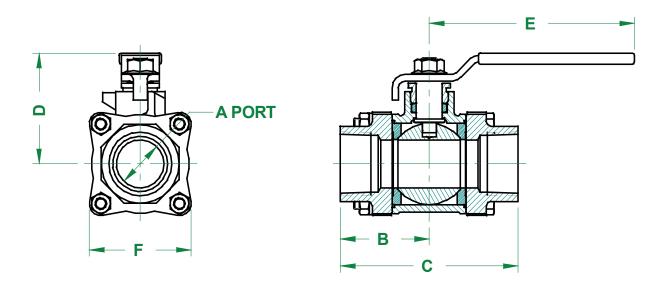


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LEAD FREE

DIMENSIONS

MODEL NUMBER	SIZE (IN.)	DIMENSIONS (IN.)						WT.	
		Α	В	с	D	E	F	(LB.)	
NPT									
82LF-101-01	1/4"	0.43	1.28	2.56	1.81	3.87	1.60	1.02	
82LF-102-01	3/8"	0.50	1.28	2.56	1.81	3.87	1.60	1.04	
82LF-103-01	1/2"	0.62	1.40	2.81	1.93	4.87	1.78	1.55	
82LF-104-01	3/4"	0.81	1.71	3.43	2.18	4.87	1.98	2.27	
82LF-105-01	1″	1.00	1.93	3.87	2.62	5.50	2.22	3.28	
82LF-106-01	1.25"	1.25	2.37	4.75	2.87	5.50	2.70	5.62	
82LF-107-01	1.5"	1.50	2.62	5.25	3.37	8.00	3.03	8.07	
82LF-108-01	2"	2.00	3.01	6.03	3.68	8.00	3.87	14.42	
82LF-109-01	2.5"	2.50	3.62	7.25	5.14	9.75	5.05	26.61	



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