

82LF-100 Series

3-Piece Full Port, Threaded End Bronze Ball Valve

LEAD FREE



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

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

MODEL NUMBER	SIZE (IN.)	DIMENSIONS (IN.)						WT. (LB.)
		A	B	C	D	E	F	
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

