

# 82LF-200 Series

3-Piece Full Port, Solder End Bronze Ball Valve

LEAD FREE

## SUBMITTAL SHEET

"Apollo" Flow Controls



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

### DESCRIPTION

The Apollo® 82LF Solder Series offers the same rugged features as the standard 82 Series with the added advantage of lead free\* materials. Ideal for solder installations where ease of maintenance and in-line serviceability are required. SAE grade body bolts are standard. Not suitable for brazing.

### FEATURES

- EZ-Solder Lead Free\* Bronze Materials
- Easily Identifiable White Handle Grip and Blue "Lead Free" Hang Tag
- Premium RPTFE Seats and MPTFE Seals
- Full Port Ball Configuration in all Sizes
- 100% Factory Tested
- Made in USA - ARRA Compliant

### PERFORMANCE RATING

- CWP: 600 psi (41.37 Bar) at 100°F
- SWP: 150 psi (Recommend SS Ball & Stem in 150 SWP Applications)
- Maximum Temperature: 400°F
- Vacuum Service to 29 in. Hg

### MODELS

- 82LF200 Series - Standard
- 82LF240 Series - 316 SS Vented Ball & Stem

### APPROVALS

- MSS SP-110; Ball Valves, Threaded, Socket-Weld, Solder Joint
- CSA B51 CRN: OC10908.5C
- 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"
- (-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 (82LF-100 Option) 1/2" - 2-1/2"
- (-63) NPT x Solder (82LF-100 option) 1/2" - 2-1/2"
- (-92) Balancing Stop 1/2" - 2"
- (-94) -04 Option & Balancing Stop 1/2" - 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 RPTFE
SEAT (2)	RPTFE
END CAP (2)	C89836 Lead Free* Bronze
STEM	C27451 Lead Free* Brass
LEVER NUT	Steel, Zinc Plated
BODY BOLT	Steel, Zinc Plated
HEX NUT	Steel, Zinc Plated
BODY	ASTM B584-C89836 Lead Free Bronze

**\*82LF-2xxA cannot be brazed and is intended for soft solder installation using solders with melting temperature of < 500°F.**

\*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

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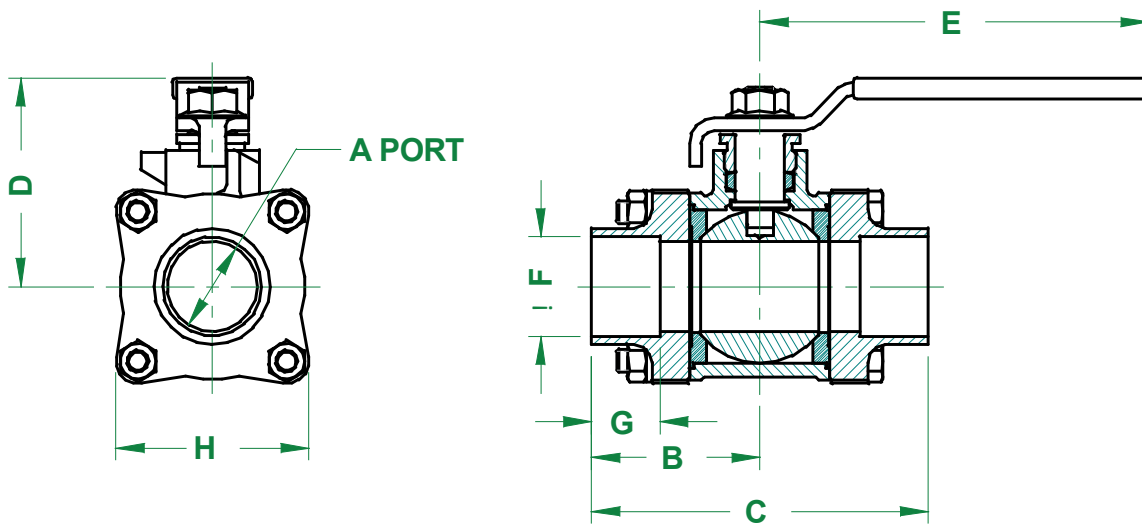
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## DIMENSIONS

MODEL NUMBER	SIZE (IN.)	DIMENSIONS (IN.)							
		A	B	C	D	E	F	G	H
<b>SOLDER</b>									
82LF-202-01	3/8	0.44	1.28	2.56	1.81	3.87	0.50	0.38	1.60
82LF-203-01	1/2	0.56	1.40	2.81	1.93	4.87	0.63	0.50	1.78
82LF-204-01	3/4	0.83	1.71	3.43	2.18	4.87	0.88	0.75	1.98
82LF-205-01	1	1.00	1.93	3.87	2.62	5.50	1.13	0.90	2.22
82LF-206-01	1-1/4	1.25	2.37	4.75	2.87	5.50	1.38	0.97	2.70
82LF-207-01	1-1/2	1.50	2.62	5.25	3.37	8.00	1.63	1.09	3.03
82LF-208-01	2	2.00	3.01	6.03	3.68	8.00	2.13	1.34	3.87
82LF-209-01	2-1/2	2.50	3.62	7.25	5.14	9.75	2.63	1.47	5.05

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