

"Apollo" Valves

# SUBMITTAL SHEET

## LEAD FREE 77CLF Series

Bronze Full Port Ball Valve



Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO Number:	
Representative:	
Wholesale Distributor:	



### DESCRIPTION

The Apollo® 77CLF "Contractor Series" 2 piece ball valve features a de-zincification resistant, Lead Free\* bronze body, premium "multi-fill" MPTFE seats and stem packing, and a Lead Free\* "Solid Ball" design that delivers true full-port flow performance. Cast and machined in Apollo's South Carolina manufacturing plants using proven Lead Free\* materials.

### FEATURES

- Easily Identifiable White Handle and Blue "Lead Free" Hang Tag
- EZ-Solder™ Lead Free Bronze
- Lead Free\* Brass & Bronze Materials
- NSF/ANSI 61 Section 8, Annex F & G
- Multi-Fill PTFE Seats & Seals.
- Manufactured and 100% Factory Tested in the USA

### PERFORMANCE RATING

- Maximum Pressure: 600 psi CWP, 150 SWP
- Maximum Temperature: 500°F
- Vacuum service to 29 in. Hg

### APPROVALS

- MSS SP-110; Ball Valves
- NSF/ANSI 61 Section 8, Annex F & G
- NSF/ANSI 372 Lead Free
- ANSI 3rd Party Approval to 0.25% Lead Max.
- CSA B51 CRN: OC10908.5C
- IAPMO R&T / UPC - IGC 157
- City of Los Angeles DBS

### OPTIONS (For 1/4" to 2")

- (-01) Standard
- (-04) 2-1/4" Stem Extension
- (-07) Tee Handle
- (-10) S.S. Handle and Nut
- (-11) Thermo-Seal™ Insulating Tee Handle
- (-27) Locking Handle
- (-92) Standard lever with Balancing Stop
- (-94) 2-1/4" Stem Extension with Balancing Stop

### MODELS

- 77CLF100/200 Series - Standard Trim
- 77CLF140/240 Series - 316 SS Ball & Stem

### STANDARD MATERIALS LIST

Part Name	Material
Gland	B16 Brass
Nut	Zinc Plated Steel
Packing	MPTFE
Seat	MPTFE
Stem	C27451 Lead Free* Brass
Ball	C27451 Lead Free* Brass Cr. Plated or B283, C37700
Retainer	C27451 Lead Free* Brass or B283, C37700 (1/4"-1/2")
	B584-C89836 Lead Free* Bronze (3/4"-2 1/2")
Body	B584-C89836 Lead Free* Bronze
Handle	Zinc Plated Steel w/ Vinyl Grip

- Continued on the next page.

\* 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.

Apollo Valves, Manufactured by **Conbraco Industries, Inc.**  
701 Matthews Mint-Hill Road, Matthews, NC 28105 USA  
[www.apollovalves.com](http://www.apollovalves.com) | (704) 841-6000

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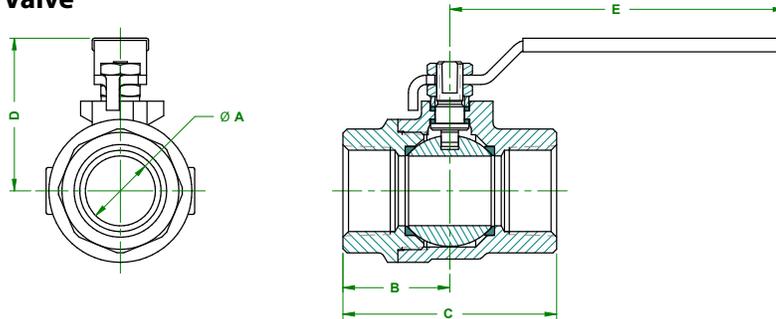
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## LEAD FREE

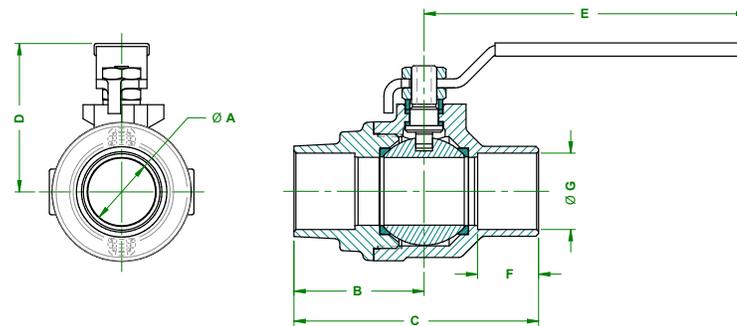
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NPT



Solder



### DIMENSIONS

LF Part Number	Size (in.)	Dimensions (in.)								Cv	Wt.*** (lbs.)
		A	B	C	D	E	F	G			
<b>NPT</b>											
77CLF-101-01	1/4"	0.37	0.95	1.97	1.76	3.74	-	-	4.5	0.6	
77CLF-102-01	3/8"	0.37	1.07	2.09	1.76	3.74	-	-	7.2	0.6	
77CLF-103-01	1/2"	0.50	1.15	2.25	1.79	3.74	-	-	15.5	0.6	
77CLF-104-01	3/4"	0.75	1.32	2.65	2.00	4.88	-	-	35.6	1.1	
77CLF-105-01	1"	1.00	1.53	3.07	2.19	4.88	-	-	68.1	1.8	
77CLF-106-01	1-1/4"	1.25	2.04	4.08	3.13	7.06	-	-	125.0	4.4	
77CLF-107-01	1-1/2"	1.50	2.12	4.23	3.29	7.06	-	-	177.0	4.6	
77CLF-108-01	2"	2.00	2.43	4.85	3.83	7.06	-	-	389.0	7.9	
77CLF-109-01	2-1/2"	2.50	3.12	6.37	4.51	8.06			503.0	16.2	
<b>SOLDER</b>											
77CLF-202-01	3/8"	0.37	1.30	2.21	1.76	3.74	0.41	0.50	7.2	0.6	
77CLF-203-01	1/2"	0.50	1.41	2.56	1.76	3.74	0.50	0.63	15.5	0.6	
77CLF-204-01	3/4"	0.75	1.64	3.03	2.00	4.88	0.75	0.88	35.6	1.0	
77CLF-205-01	1"	1.00	1.92	3.61	2.19	4.88	0.90	1.13	68.1	1.6	
77CLF-206-01	1-1/4"	1.25	2.36	4.44	3.13	7.06	0.97	1.38	125.0	3.9	
77CLF-207-01	1-1/2"	1.50	2.63	4.89	3.29	7.06	1.09	1.63	177.0	4.3	
77CLF-208-01	2"	2.00	3.17	6.06	3.83	7.06	1.34	2.13	389.0	7.6	
77CLF-209-01	2-1/2"	2.50	3.77	7.14	4.51	8.06	1.43	2.63	503.0	15.9	

\*\*\* Weights based on Standard Configuration

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