



Valves

SUBMITTAL
SHEET

77CLF-A SERIES

2 piece full port bronze ball valve

LEAD FREE



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

DESCRIPTION

The Apollo 77CLF-A "Contractor Series" Lead Free Ball Valve features a dezincification resistant bronze body, premium RPTFE seats and stem packing and a "Solid Ball" design that delivers true full-port flow performance. Cast and machined in Apollo's South Carolina manufacturing plants using proven EZ-Solder™ lead free materials.

FEATURES

- Easily Identifiable White Handle and Blue "Lead Free" Hang Tag
- EZ-Solder™ Lead Free Bronze**
- Lead Free Brass & Bronze Materials
- Blowout-Proof Stem Design
- RPTFE Seats & Seals
- **Manufactured and 100% Factory Tested in USA**

APPROVALS

- MSS SP-110 Ball Valves
- IAPMO/ANSI Z1157 Ball Valves
- NSF/ANSI/CAN 61 Water Quality
- NSF/ANSI/CAN 372 Lead Free
- City of Los Angeles DBS
- CRN: OC10908.5C
- EU Directive 2015/863 (RoHS 3) Compliant
- EU Regulation (EC) 1907/2006 (REACH) Compliant

PERFORMANCE RATING

- Maximum Pressure: 600 psi CWP | 150 psi SWP
- Maximum Temperature: 450°F
- Vacuum Service to 29 in. Hg

OPTIONS

- (-01) Standard Lever and Trim
- (-04) 2-1/4" Stem Extension
- (-07) Tee Handle
- (-10) SS Handle and Nut
- (-11) Thermo-Seal™ Insulating Tee
- (-27) Locking Handle
- (-50) 2-1/4" Locking Stem Extension
- (-94) 2-1/4" Stem Extension and Balancing Stop
- 77C-ULA (UL 258 - Fire Protection Trim & Drain, Guide VQGU)
- 77CLF140/240 Series - 316 SS Vented Ball and Stem

STANDARD MATERIALS LIST

BODY	B584-C89836 Lead Free Bronze
RETAINER	C27451 Lead Free DZR Brass (1/4" - 1") B584-C89836 Lead Free Bronze (1-1/4" - 2-1/2")
BALL	C27451 Lead Free DZR Brass Cr. Plated
STEM	C27451 Lead Free DZR Brass
GLAND NUT	ASTM B16 Brass
SEATS	RPTFE
STEM PACKING	RPTFE
HANDLE	Zinc Plated Steel/Vinyl
STEM NUT	Zinc Plated Steel

****77CLF-2xxA intended for soft solder installation using solders with melting temperature of < 500°F.**

DIMENSIONS

PART NO.	SIZE (IN.)	DIMENSIONS (IN.)							C _v	WT. * (LB.)
		A	B	C	D	E	F	G		
NPT										
77CLF-101-01A	1/4"	0.37	0.88	1.8	1.65	2.82	-	-	5	0.6
77CLF-102-01A	3/8"	0.37	0.94	1.86	1.65	2.82	-	-	7	0.6
77CLF-103-01A	1/2"	0.50	1.15	2.29	1.79	3.82	-	-	16	0.6
77CLF-104-01A	3/4"	0.75	1.34	2.67	1.91	3.82	-	-	36	1.0
77CLF-105-01A	1"	1.00	1.63	3.24	2.24	4.72	-	-	68	1.8
77CLF-106-01A	1-1/4"	1.25	1.9	3.75	2.46	4.72	-	-	125	4.2
77CLF-107-01A	1-1/2"	1.50	2.06	4.11	2.9	5.37	-	-	177	4.6
77CLF-108-01A	2"	2.00	2.43	4.85	3.68	7.72	-	-	389	7.9
77CLF-109-01A	2-1/2"	2.50	3.03	6.02	4.13	7.72	-	-	503	16.4
SOLDER										
77CLF-202-01A	3/8"	0.37	1.24	2.17	1.65	2.82	0.41	0.50	7	0.6
77CLF-203-01A	1/2"	0.50	1.36	2.47	1.79	3.82	0.50	0.63	16	0.6
77CLF-204-01A	3/4"	0.75	1.73	3.20	1.91	3.82	0.75	0.88	36	1.0
77CLF-205-01A	1"	1.00	2.06	3.81	2.24	4.72	0.91	1.13	68	1.5
77CLF-206-01A	1-1/4"	1.25	2.22	4.21	2.46	4.72	0.97	1.38	125	3.9
77CLF-207-01A	1-1/2"	1.50	2.53	4.90	2.9	5.37	1.09	1.63	177	5.9
77CLF-208-01A	2"	2.00	3.15	6.07	3.68	7.72	1.34	2.13	389	7.5
77CLF-209-01A	2-1/2"	2.50	3.78	7.17	4.13	7.72	1.48	2.63	503	14.5

*Weights based on Standard Configuration

*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.

