



# Lead Free\* 77CLF SERIES Bronze Full Port Ball Valve

|               |                        |
|---------------|------------------------|
| Job Name:     | Contractor:            |
| Job Location: | P.O. Number:           |
| Engineer:     | Representative:        |
| Tag:          | Wholesale Distributor: |

## DESCRIPTION

The Apollo® 77CLF "Contractor Series" 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 **Lead Free\*** materials.



## FEATURES

- **Lead Free\*** Brass & Bronze Materials
- ANSI/NSF 61 Section 8 2008 180°F
- Easily Identifiable Blue "**Lead Free**" Hang Tag
- Multi-Fill PTFE Seats & Seals.
- Designed, Manufactured and 100% Factory Tested in the USA

## PERFORMANCE RATING

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

## MODELS

- ☐ 77CLF100 Series Standard
- ☐ 77CLF140 Series 316 SS Ball & Stem
- ☐ 77CLF150 Series Balancing Stop Lever

## MATERIAL SPECIFICATION

| Part Name | Material  |
|-----------|---|
| Gland     | B16 Brass   |
| Nut       | Zinc Plated Steel   |
| Packing   | MPTFE   |
| Seat      | MPTFE   |
| Stem      | C27450 <b>Lead Free*</b> Brass  |
| Ball      | C27450 <b>Lead Free*</b> Brass Cr. Plated   |
| Retainer  | C69430 <b>Lead Free*</b> Silicon Brz (1/4" - 1/2")<br>C89836 <b>Lead Free*</b> Bronze (3/4" - 2 1/2") |
| Body      | C89836 <b>Lead Free*</b> Bronze   |
| Handle    | Zinc Plated Steel w / Vinyl Grip  |

## OPTIONS

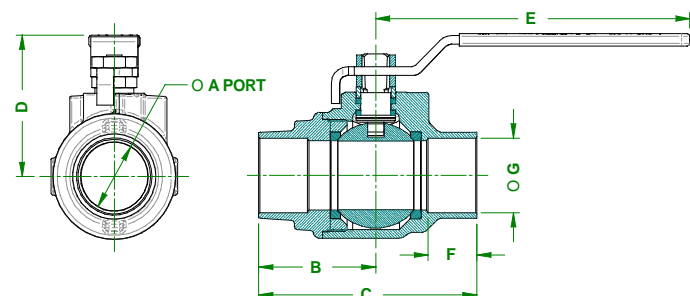
- ☐ (-01) Standard
- ☐ (-04) 2 1/4" Stem Extension
- ☐ (-07) Tee Handle
- ☐ (-10) S.S. Handle and Nut
- ☐ (-11) Therma-Seal™ Insulating Tee Handle
- ☐ (-27) Locking Handle
- ☐ (-47) Oval Locking Handle
- ☐ (-94) 2 1/4" Stem Extension and Balancing Stop
- ☐ (-A3) Plain Grip

\* **LEAD FREE:** The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with CA AB 1953 and VT S.152

## DIMENSIONS

| Part #     | Size (in.) | Dimensions (in.) |      |      |      |      |      |      |       | Wt.***<br>(lbs.) |
|------------|------------|------------------|------|------|------|------|------|------|-------|------------------|
|            |            | A                | B    | C    | D    | E    | F    | G    | Cv    |                  |
| NPT        |            |                  |      |      |      |      |      |      |       |                  |
| 77CLF10101 | 1/4"       | 0.37             | 0.95 | 1.97 | 1.76 | 3.74 | -    | -    | 4.5   | 0.6              |
| 77CLF10201 | 3/8"       | 0.37             | 1.07 | 2.09 | 1.76 | 3.74 | -    | -    | 7.2   | 0.6              |
| 77CLF10301 | 1/2"       | 0.50             | 1.15 | 2.25 | 1.79 | 3.74 | -    | -    | 15.5  | 0.6              |
| 77CLF10401 | 3/4"       | 0.75             | 1.32 | 2.65 | 2.00 | 4.88 | -    | -    | 35.6  | 1.1              |
| 77CLF10501 | 1"         | 1.00             | 1.53 | 3.07 | 2.19 | 4.88 | -    | -    | 68.1  | 1.8              |
| 77CLF10601 | 1-1/4"     | 1.25             | 2.04 | 4.08 | 3.13 | 7.06 | -    | -    | 125.0 | 4.4              |
| 77CLF10701 | 1-1/2"     | 1.50             | 2.12 | 4.23 | 3.29 | 7.06 | -    | -    | 177.0 | 4.6              |
| 77CLF10801 | 2"         | 2.00             | 2.43 | 4.85 | 3.83 | 7.06 | -    | -    | 389.0 | 7.9              |
| 77CLF10901 | 2-1/2"     | 2.50             | 3.12 | 6.37 | 4.51 | 8.06 |      |      | 503.0 | 16.2             |
| SOLDER     |            |                  |      |      |      |      |      |      |       |                  |
| 77CLF20201 | 3/8"       | 0.37             | 1.30 | 2.21 | 1.76 | 3.74 | 0.41 | 0.50 | 7.2   | 0.6              |
| 77CLF20301 | 1/2"       | 0.50             | 1.41 | 2.56 | 1.76 | 3.74 | 0.50 | 0.63 | 15.5  | 0.6              |
| 77CLF20401 | 3/4"       | 0.75             | 1.64 | 3.03 | 2.00 | 4.88 | 0.75 | 0.88 | 35.6  | 1.0              |
| 77CLF20501 | 1"         | 1.00             | 1.92 | 3.61 | 2.19 | 4.88 | 0.90 | 1.13 | 68.1  | 1.6              |
| 77CLF20601 | 1-1/4"     | 1.25             | 2.36 | 4.44 | 3.13 | 7.06 | 0.97 | 1.38 | 125.0 | 3.9              |
| 77CLF20701 | 1-1/2"     | 1.50             | 2.63 | 4.89 | 3.29 | 7.06 | 1.09 | 1.63 | 177.0 | 4.3              |
| 77CLF20801 | 2"         | 2.00             | 3.17 | 6.06 | 3.83 | 7.06 | 1.34 | 2.13 | 389.0 | 7.6              |
| 77CLF20901 | 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



## APPROVALS

- MSS SP-110; Ball Valves
- ANSI/NSF 61-8 2008 180°F (Mechanical Devices)
- ANSI 3<sup>rd</sup> Party Approval to AB 1953 0.25% Lead Max.
- CRN: OC10908.5C

