

## Ball Valves, Bronze, 1-Inch



### 1. Scope

This standard covers the requirements for 1-inch bronze ball valves.  
This standard applies to Seattle City Light (SCL) stock No. 714076.

### 2. Application

Bronze ball valves are used to control the flow of water, oil, or gas.

### 3. Industry Standards

Bronze ball valves shall meet the applicable requirements of the following industry standards:

**Federal Specification WW-V-35C**; "Ball Valve", 1985

**MSS SP 110**; "Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends", 2010

**NSF/ANSI Standard 61**; "Drinking Water System Components – Health Effects", 2016

Standards Coordinator  
Quan Wang

Handwritten signature of Quan Wang in black ink.

Standards Supervisor  
John Shipek

Handwritten signature of John Shipek in black ink.

Unit Director  
Andrew Strong

Handwritten signature of Andrew Strong in black ink.

#### 4. Requirements

Bronze ball valves shall meet the following requirements:

- Size 1"
  - Silicon bronze body
  - Lead-free in accordance to NSF/ANSI 61 Section 8 and Annex G
  - Female NPT threaded – both ends
  - Stainless steel or brass stem and ball
  - Stainless steel latch-lock handle and nut
  - Reinforced Polytetrafluoroethylene (PTFE) seat rings and washer
  - Steam Working Pressure (SWP):100 psig (min)
  - Cold Working Pressure (CWP): 600 psig
- 

#### 5. Marking

Each ball valve shall be permanently and legibly marked in raised or stamped letters. Marking shall include but not be limited to the following information:

- Manufacturer name or symbol
  - Size
  - CWP rating
- 

#### 6. Packaging

Each standard package shall be legibly marked with the following information:

- Manufacturer name
- Manufacturer part number
- Product description
- Seattle City Light stock number

Each shipping container shall be legibly marked with the following information:

- Seattle City Light purchase order number
- 

#### 7. Issuance

Stock Unit: EA

---

#### 8. Approved Manufacturers

<b>Manufacturer</b>	<b>Part No.</b>
Apollo Valves	70LF-105-01-27
Watts	LL-HK-LFB6080G2-SS

---

#### 9. Sources

[www.apollovalves.com](http://www.apollovalves.com)

**Stock Catalog page 71-8**; May 30, 2012

**Wang, Quan**; SCL Standards Engineer, originator, and subject matter expert for 7134.35 (quan.wang@seattle.gov).