

**SPECIFICATIONS - DETAILED PROVISIONS**  
**Section 15104 - Ball Valves**

**C O N T E N T S**

<b>PART 1 - GENERAL</b> .....	<b>1</b>
1.01 SUMMARY.....	1
1.02 REFERENCES.....	1
1.03 SUBMITTALS.....	1
<b>PART 2 - PRODUCTS</b> .....	<b>1</b>
2.01 METAL BODY BALL VALVES .....	1
2.02 PLASTIC BODY BALL VALVES .....	2
<b>PART 3 - EXECUTION</b> .....	<b>3</b>
3.01 INSTALLATION .....	3



**SECTION 15104  
BALL VALVES**

**PART 1 - GENERAL**

1.01 SUMMARY

- A. Section Includes. (Metal body ball valves) (and) (plastic body ball valves)

1.02 REFERENCES

- A. American Water Works Association (AWWA):

1. C 507 Ball Valves, Shaft or Trunnion Mounted, 6 Inch Through 48 Inch.

1.03 SUBMITTALS

- A. Product Data

- B. Metal Body Ball Valves: Affidavit of compliance with AWWA C 507.

**PART 2 - PRODUCTS**

2.01 METAL BODY BALL VALVES

- A. Manufacturers: One of the following or equal.

1. Lunkenheimer Company.  
2. MARPAC, Inc.

- B. General

1. Type: Non-lubricated, and capable of sealing in either flow direction.  
2. Conform to AWWA C 507.  
3. Stem Packing: Manually adjustable while valve is under pressure.

## Ball Valves

### Section 15104 – 2

4. Temperature Limits: Suitable for operation between minus 20 and 350 degrees Fahrenheit.

#### C. Materials

1. Valves in copper lines: Bronze body with solder ends.
2. Valves in steel and ductile iron piping: Ductile iron or cast steel bodies, and ends as follows:
  - a) Threaded for sizes 3 inch and smaller.
  - b) Flanged for sizes larger than 3 inch.
3. Ball: Type 304 or Type 316 stainless steel.
4. Seats: TFE.
5. Stem seals: TFE or Viton.

## 2.02 PLASTIC BODY BALL VALVES

#### A. Manufacturers: One of the following or equal:

1. Asahi America
2. Chemtrol Division, NIBCO Inc.

#### B. General:

1. Type: Non-lubricated and capable of sealing in either flow direction.
2. End connections: True union.
3. Operator handle: Lever

#### C. Materials:

1. Body: Polyvinyl chloride (PVC).
2. Ball: Polyvinyl chloride (PVC).
3. Seats: TFE (Teflon).

4. O-rings: [FPM (Viton)] (EPDM).

### **PART 3 - EXECUTION**

#### 3.01 INSTALLATION

- A. Follow manufacturer's published instructions.

**END OF SECTION 15104**

[PAGE LEFT INTENTIONALLY BLANK]