# SPECIFICATIONS - DETAILED PROVISIONS
Section 15104 - Ball Valves

## CONTENTS

<table>
<thead>
<tr>
<th>PART</th>
<th>CONTENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - GENERAL</td>
<td>1.01 SUMMARY</td>
</tr>
<tr>
<td></td>
<td>1.02 REFERENCES</td>
</tr>
<tr>
<td></td>
<td>1.03 SUBMITTALS</td>
</tr>
<tr>
<td>2 - PRODUCTS</td>
<td>2.01 METAL BODY BALL VALVES</td>
</tr>
<tr>
<td></td>
<td>2.02 PLASTIC BODY BALL VALVES</td>
</tr>
<tr>
<td>3 - EXECUTION</td>
<td>3.01 INSTALLATION</td>
</tr>
</tbody>
</table>

Rev: 08/94
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:**


2. Ball: Polyvinyl chloride (PVC).

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

PART 3 - EXECUTION

3.01 INSTALLATION

A. Follow manufacturer's published instructions.

END OF SECTION 15104