

- B. Flanges for Pipe Size Over 1 Inch:
 - 1. Ferrous pipe: Class 150 malleable iron threaded or forged steel slip-on flanges; performed neoprene gaskets.
- C. Dielectric Connections: Union with galvanized or plated steel threaded end, copper solder end, water impervious isolation barrier.

2.9 BALL VALVES

- A. Manufacturers:
 - 1. Nibco, Inc; Model 585-70-66; www.nibco.com.
 - 2. Appollo; Model 77-140.
- B. Construction: MSS SP-110, 150 psi SWP and 600 psi WOG, full port cast bronze two piece body (no yellow brass containing more than 15% zinc), ASTM B-61, ASTM B-62, or ASTM B-584, stainless steel ball and stem, TFE seats and seals, blow-out proof stem, lever handle, adjustable memory stops, solder or threaded ends with union. Where piping is insulated, provide protective sleeve that allows operation of valve without breaking vapor barrier.
- C. Valves handles in domestic water systems shall have the following colors: red for hot water service; blue for cold water service.

2.10 SLEEVES AND ESCUTCHEONS

- A. Sleeves shall be 18 gauge galvanized steel or pre-formed plastic. Sleeves shall be sized to allow approximately 1/8" gap around the pipe of its insulation.
- B. Sleeves through floor slabs shall be galvanized steel pipe of proper size, Sleeves through floor slabs shall extend 2" above the finished floor.
- C. Escutcheon plates for finished spaces will be nickel-plated.

PART 3 EXECUTION

3.1 PREPARATION

- A. Ream pipe and tube ends. Remove burrs.
- B. Remove scale and dirt, on inside and outside, before assembly.
- C. Prepare piping connections to equipment with flanges or unions.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Provide non-conducting dielectric connections wherever jointing dissimilar metals.