

Engineering Specification

GAS BALL VALVES (Short)

PART 2 : PRODUCTS

2.1 MANUFACTURERS

Gas Ball Valves:

Viega NA • 301 N. Main, Ste. 9, Wichita, KS 67202 • Tel: (800) 774-5237 • www.viega.com

2.2 MATERIAL

Two piece body made of copper alloy that shall conform to material standards of ASME B16.18. The valve shall have a chrome plated brass ball, PTFE seats and brass stem. Valve shall have a galvanized steel handle with lock out feature. Sealing elements shall be of HNBR material and factory installed unless otherwise authorized by valve manufacturer. Pressure rating shall be 125 psi for general use and no less than 5 psi for natural gas applications. Press ends shall have the Smart Connect Feature[™]. The SC Feature guarantees leakage of gases for an unpressed connection during a pressure test for easy detection.

PART 3 : EXECUTION

3.4 INSTALLATION

Press connections: Copper and copper alloy press fittings shall be made in accordance with the manufacturer's installation instructions. The tubing shall be fully inserted into the fitting and the tubing marked at the shoulder of the fitting. The fitting alignment shall be checked against the mark on the tubing to assure the tubing is fully engaged (inserted) in the fitting. The joints shall be pressed using the tool approved by the manufacturer. NOTE: We are not asking an engineer to eliminate the traditional methods of joining copper. We are asking the engineer to add copper press fittings as an alternative method.