

CERAM CORE® Piping System - Specification Guide

3.02 Flanges and Fittings - Abrasion resistant elbows shall be three diameter sweep radius and have selfaligning flanged ends. They shall be glass reinforced thermosetting resin with abrasion resistant ceramic tile liner. Flanges shall have ANSI B16.5 Class 150 bolt hole patterns. It is recommended that a protective coating be used on the bolts to facilitate removal for rotation.

3.03 O-Ring Seals - O-Rings shall be 60-70 durometer Shore A hardness elastomeric material. O-rings for the self-aligning flanged joints will be supplied by manufacturer.

3.04 Bolts, Nuts, and Washers - ASTM A307, Grade B, hex head bolts shall be supplied. SAE washers shall be supplied on all nuts and bolts.

3.05 Acceptable Products - Ceram Core as manufactured by NOV Fiber Glass Systems, or approved equal.

SECTION 4 – Installation and Testing

4.01 Training and Certification - All joints installed or constructed in the field shall be assembled by employees of the contractor who have been trained by the pipe manufacturer. The pipe manufacturer or their authorized representative shall train the contractor's employees in the proper joining and assembly procedures required for the project, including hands-on participation by the contractor's employees.

4.02 Pipe Installation - Pipe shall be installed as specified and indicated on the drawings. The piping system shall be installed in accordance with the manufacturer's current published installation procedures.

4.03 Testing - A hydrostatic pressure test shall be conducted on the completed piping system. The piping system should be pressurized to 1½ times the operating design pressure, and inspected. Then the pressurization should be maintained for 1-8 hours and the line inspected for leaks.

Field test pressures are limited to 1½ times the maximum cyclic rating of the lowest rated component in the system. The maximum test pressure should not exceed 338 psig. The system shall be filled with water at the lowest point and air bled off from the highest point. Systems shall be brought up to test pressure slowly to prevent water hammer or over-pressurization.

All pipe joints shall be water tight. All joints that are found to leak by observation or during testing shall be repaired by the contractor and retested.



Fiber Glass Systems

17115 San Pedro Avenue, Ste. 200, San Antonio, Texas 78232, USA
Phone: 210 477 7500 Fax: 210 477 7560

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