



## General

The double wall containment system shall be complete and all components shall be supplied from the same source to insure material and system compatibility. Inner and outer system shall be factory assembled with appropriate centralizing and anchoring devices installed. System design shall be the responsibility of the Design Engineering Firm and shall be strictly adhered to throughout. The system shall be Flo Guard Double Containment Piping System, as manufactured by Flo Safe, Inc.

## Materials

The pipe and fitting material shall be Polyvinyl Chloride (PVC) or Chlorinated Polyvinyl Chloride (CPVC) Schedule 40 and Schedule 80. PVC fittings are to be manufactured from PVC material which meets or exceeds the requirements of Type I, Grade I compound as stated in ASTM D-1785. All PVC pipe is to be extruded according to ASTM-1785 and be NSF approved for potable water. All CPVC fittings are to be manufactured from CPVC material which meets or exceeds the requirements of Type IV, Grade I compound as stated in ASTM D-1784. All CPVC pipe is to be extruded according to ASTM F-411 and be NSF approved for potable water. (Optional - The carrier/containment piping shall be Clear PVC allowing for visual leak detection.)

## Joining Procedure

The inner and the outer pipe shall be joined by solvent cement welding, in accordance with manufacturers' guidelines and installation instructions. Consult manufacturers data for appropriate cure times. Cure times will vary widely depending on pipe diameter, cement composition and weather. Consult manufacturer for selection of proper cement suitable for installation, environment and design. Joints should not be disturbed nor tested prior to complete curing of cement. Improper solvent cement will cause joint failure.

## Testing

Upon completion of installation, the primary piping system shall be hydrostatically pressure tested at 150% of the system designed pressure for a period of one hour. Additionally the secondary piping system shall be pneumatically tested at 10 psig for a maximum of one hour in duration. The external joints shall be soaped and visually inspected for leaks. It is imperative that the installers use manufacturers recommended test equipment to insure that over pressurization of the system does not occur. Both primary and secondary tests shall be done in strict accordance with the recommendations of the manufacturer.

**For more information on other containment systems: Flo Safe G, Flo Safe B, FST, Flo Clear, Flo Guard II, Flo Thread, Flo Fuse or Leak Detection Equipment contact:**



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