

Chemical Sewers Piping Specification – Cast Iron Soil Pipe

PRESSURE-TEMPERATURE RATINGS
(0.000" Corrosion Allowance)

PIPE MATERIAL
Cast Iron Soil Pipe

Temp.C 0 to 66
Temp.F 32 to 180

Max. Hydro.
Test Press.

SERVICE
Chemical Sewers (1)

Press. psig Gravity

Ten feet of hydrostatic pressure (4.3 pounds per square inch)

**FLOW
COEFFICIENT**

C=130 (Hazen-Williams)

**JOINT
DEFLECTION**

5° (Bell & Spigot Joint only)

**INSTALLATION
METHODS**

Installation per Manufacturer's recommendations and the recommendations of CISPI. Installation to be made with compression gaskets manufactured to the applicable requirements of ASTM C564.

PIPE

2 to 15 Cast Iron Soil Pipe, Bell and Spigot, Service Weight, per ASTM A 74. All pipe marked with the trademark of the Cast iron Soil Pipe Institute. Pipe to be supplied with viton gaskets per ASTM C 564.

ELBOWS

2 to 15 Cast Iron Soil Pipe Fitting, Bell and Spigot Service Weight, per ASTM A 74. Fittings marked with the trademark of the Cast iron Soil Pipe Institute. Fittings to be supplied with viton gaskets per ASTM C 564.

TEES / WYES

2 to 15 Cast Iron Soil Pipe Fitting, Bell and Spigot Service Weight, per ASTM A 74. Fittings marked with the trademark of the Cast iron Soil Pipe Institute. Fittings to be supplied with viton gaskets per ASTM C 564.

TIE-INS

4 to 12 MJ Solid Sleeve, Short, DI, ANSI/AWWA C153/A21.53, w/ Viton Transition Gaskets, Bolts & Ductile Iron Glands, cement lined per ANSI/AWWA C104/A21.4.

**FLANGE
ADAPTER**

4 to 12 Flange Adapter, CL125# FF Flange one end x Mechanical Joint one end. Supplied with Viton Transition Gaskets, Bolts & Ductile Iron Glands, cement lined per ANSI/AWWA C104/A21.4.

NOTES

- 1) Gaskets for Cast Iron soil pipe and fittings to be furnished with the pipe and fittings - packed separately.
- 2) Gasket Lubricant to be compatible with gasket material and furnished by pipe manufacturer.

- 3) Gasket material is listed Viton which is suitable for a wide range of chemical applications. Other gasket materials include EPDM, Buna N, and Neoprene.
- 4) All Mechanical Joint bolts and nuts to be high-strength, low alloy Cori.7 loy Cequ-714(G)-5lene.