

INSUL-PIPE SYSTEMS

STEEL CORE * STEEL CLAD * SERVICE TEMP: +150 TO +450 F

PIPING SYSTEM:	Underground pre-insulated steam and condensate return piping system.
CARRIER PIPE:	STEEL – Schedule 40 or Schedule 80, 4” and smaller is A-120, 5” and larger is ASTM A-53 Grade B, ERW thru 10”, standard weight 12” and larger. Beveled ends for welded fittings and connections.
OUTER JACKET:	STEEL – Smooth wall, not less than 10 gauge, mill-primed, machine coated with an epoxy coating. Thickness as shown below.
INSULATION:	CALCIUM SILICATE, minimum of 2.5” thick hand applied and secured with stainless steel banding for the steam supply; poured in place minimum pcf density closed cell polyurethane insulation with a minimum thickness of 1.5” thick for condensate return. Thickness as shown below.
END SEALS:	Factory applied, waterproof mastic covering the urethane insulation at the end of each joint of pipe and bonded to the carrier pipe and the outer jacket.
JOINT COVERS:	Coupling insulation kits consist of hand wrapped calcium silicate, covered by a 10 gauge steel sleeve to be welded in place.
FITTINGS:	All fitting to be factory prefabricated and pre-insulated with the same insulation material as on the straight runs of pipe.

Nominal Pipe Size	Insulation Thickness Inches	Jacket O.D. Inches	Jacket Thickness Inches
1	2.66	6.625	0.134
2	2.11	6.625	0.134
2 1/2	2.88	8.625	0.148
3	2.56	8.625	0.148
4	3.13	10.750	0.165
5	2.59	10.750	0.165
6	3.06	12.750	0.180
8	2.69	14.000	0.250
10	2.63	16.000	0.250
12	2.63	18.000	0.250

