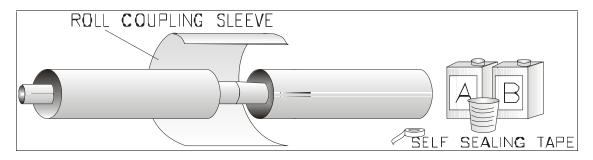
INSUL-PIPE SYSTEMS

STEEL CORE * GLASS CLAD * SERVICE TEMP: +35 TO +250 F

SIEEL	$_{-}CORE ~ ($	GLASS CLAL	JERVIC	L I LIVIF . +30	5 10 + 250 F
PIPING SYSTEM:		Underground pre-insulated chilled and hot water supply and			
		return piping sy	/stem.		
CARRIER PIPE:		STEEL – ASTM A-53 Grade B, ERW, SCH 40 thru 10",			
		standard weight 12" and larger. Beveled ends for welded			
		fittings and con			
OUTER JACKET:		Reinforced Thermosetting Resin Pipe (RTRP). Continuous			
		strands impregnated with polyester corrosion resistant resins			
		1 0	· · ·	ness of not less	
INSULATION:		Polyurethane, 2.5 PCF density, 90 to 95% closed cell, poured			
		in place, "K" = .13 per inch @ 75 degrees F. Thickness as			
		shown below.	1	U	
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		1 1	
JOINT COVERS:		Couplings are insulated by wrapping a PVC cover around the			
		coupling joint, then pouring polyurethane insulation into the			
		annular space, cleaning off the excess and covering with			
		fiberglass material supplied by manufacturer.			
FITTINGS:		Fittings are insulated by wrapping a PVC fitting cover over the			
		exposed fitting and injecting polyurethane foam insulation into			
		the annular space, cleaning off the excess and covering with			
		fiberglass material supplied by manufacturer.			
	Insulation	Jacket	Jacket		Heat
Nominal	Thickness	O.D.	Thickness	Insulation	Transfer
Pipe Size	Inches	Inches	Inches	"R" Value	BTU/LF/FDT
1	1.52	4.50	0.060	10.85	0.0319
1 1/4	1.31	4.50	0.060	9.35	0.0464
1 1/2	1.19	4.50	0.060	8.50	0.0585
2	1.00	4.50	0.060	7.14	0.0872
2 1/2 3	1.62 1.25	6.14 6.14	0.060 0.060	11.57 8.55	0.0651 0.1035
3	1.25	6.14 8.16	0.080	8.55 12.50	0.0943
5	1.73	8.16	0.080	8.71	0.0943
6	1.68	10.20	0.100	12.00	0.1070
8	1.69	12.24	0.120	12.07	0.1870
10	1.65	14.32	0.140	11.78	0.2388
12	1.47	16.00	0.160	10.50	0.2498
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INSUL-PIPE SYSTEMS – AUSTIN, TEXAS – 800-869-7473