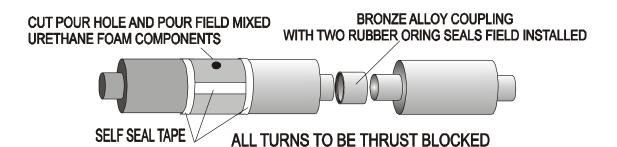
INSUL-PIPE SYSTEMS

COPPER CORE * PVC CLAD * SERVICE TEMP: -300 TO +250 F

PIPING SYSTEM:	Underground pre-insulated chilled and hot water supply and				
	return piping system.				
CARRIER PIPE:	COPPER, hard drawn, Type L or K as specified, 20-foot				
	lengths.				
OUTER JACKET:	Polyvinylchloride (PVC) white, low pressure rated, seamless,				
	ASTM D-1784, Class 1, Type 1. Able to withstand H-20				
	Highway loading. Thickness as shown below.				
INSULATION:	Polyurethane, 2.5 PCF density, 90 to 95% closed cell, poured				
	in place, "K" = .14 per inch @ 75 degrees F. 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:	Each length of pipe comes with an O-Ring type brass coupling				
	which allows each joint to expand or contract as the system				
	temperature may require. 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 sealing with tape provided.				
FITTINGS:	Each fitting comes with an O-Ring coupling that is slip joint;				
	fittings are to solder joined and must be thrust blocked in				
	concrete at all changes in direction, eliminating the need for				
	fitting insulation kits.				

	Insulation	Jacket	Jacket		Heat
Nominal	Thickness	O.D.	Thickness	Insulation	Transfer
Pipe Size	Inches	Inches	Inches	"R" Value	BTU/LF/FDT
1	1.59	4.50	0.060	11.35	0.0259
11/4	1.47	4.50	0.060	10.50	0.0343
11/2	1.37	4.50	0.060	9.78	0.0435
2	1.12	4.50	0.060	8.00	0.0695
2	1.92	6.14	0.060	13.71	0.0405
21/2	1.67	6.14	0.060	11.92	0.0568
3	1.42	6.14	0.600	10.14	0.0806
4	1.93	8.16	0.080	13.78	0.0783
5	1.43	8.16	0.080	10.21	0.1314
6	1.93	10.20	0.080	13.78	0.2415



INSUL-PIPE SYSTEMS

