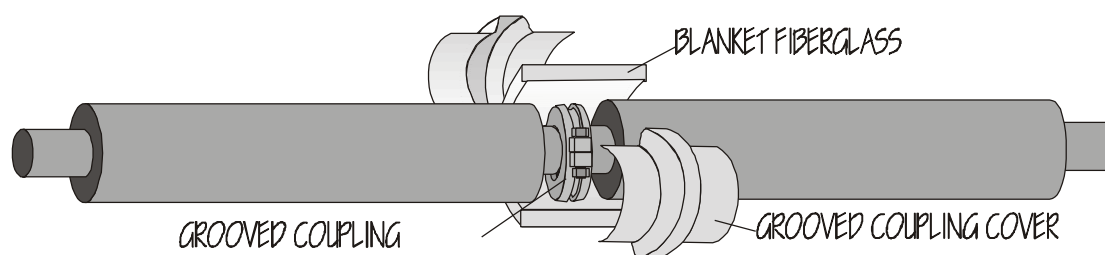


INSUL-PIPE SYSTEMS

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

PIPING SYSTEM:	Underground pre-insulated chilled and hot water supply and return piping system.
CARRIER PIPE:	STEEL – ASTM A-53 Grade B, ERW, SCH 40 thru 10”, standard weight 12” and larger. Grooved ends for Victaulic fitting coupling connection.
OUTER JACKET:	Polyvinylchloride (PVC) white, low pressure rated, seamless, ASTM D-1784, Class 1, Type 1 for jacket sizes up to 16”, and High Density Polyethylene (HDPE), seamless, low pressure rated for sizes 18” and larger . 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:	Couplings are insulated by wrapping a PVC Victaulic cover around the coupling joint, then pouring polyurethane insulation into the annular space, cleaning off the excess and sealing with tape provided.
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 sealing with tape provided.

Nominal Pipe Size	Insulation Thickness Inches	Jacket O.D. Inches	Jacket Thickness Inches	Insulation "R" Value	Heat Transfer BTU/LF/FDT
2	1.00	4.50	0.060	7.14	0.0872
2½	1.05	6.14	0.060	11.07	0.0680
3	1.25	6.14	0.060	8.55	0.1035
4	1.75	8.16	0.080	12.50	0.0943
5	1.22	8.16	0.100	8.71	0.1670
6	1.68	10.20	0.120	12.00	0.1446
8	1.69	12.24	0.140	12.07	0.1870
10	1.65	14.32	0.160	11.78	0.2388
12	1.47	16.00	0.200	10.50	0.2498
14	1.78	17.83	0.200	12.71	0.2884
16	1.77	19.80	0.200	12.64	0.3314
18	1.97	22.17	0.200	14.07	0.3349
20	1.86	24.00	0.250	13.28	0.3943



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