

SAUDIA ARABIA BTU

Heat Loss without Calcium insulation , 40mm thick up to 250°C and 80mm thick above 250°C for an ambient temperature of 25.3°, wind of .4 m/s in Heat Loss W/m

Process Temperature(C°)

Pipe Size (inches)	50	100	150	200	250	300	350	400	450
50 w/insul.	6.14	20.74	38	61.76	90.07	83.76	112	145.8	185.8
Envirocage	49.71	194.6	386.9	630.8	935.1	1311	1772	2331	3005
80 w/insul.	8.02	27.11	50.97	80.81	117.9	105.1	140.5	182.9	233.1
Envirocage	71.06	278.8	555.5	907.6	1348	1893	2562	3375	4354
100 w/insul.	9.66	32.68	61.44	97.43	142.1	123.4	165	214.8	273.8
Envirocage	89.84	353	704.2	1152	1713	2408	3261	4300	5551
150 w/insul.	11.38	38.53	72.47	114.9	167.7	142.4	190.4	247.9	316
Envirocage	109.7	431.4	861.3	1410	2098	2952	4001	5278	6818
200 w/insul.	13.1	44.35	83.41	132.3	193.1	161.2	215.5	280.6	357.7
Envirocage	129.4	509.2	1018	1667	2482	3494	4738	6252	8078
250 w/insul.	14.71	49.8	93.68	148.6	216.9	178.7	239	311.1	396.6
Envirocage	147.9	582.3	1164	1908	2842	4002	5429	7165	9259
300 w/insul.	16.31	55.24	103.9	164.9	240.6	196.1	262.2	341.5	435.3
Envirocage	166.3	655.1	1310	2148	3201	4509	6118	8076	10440
350 w/insul.	19.7	66.76	125.6	199.3	290.9	232.8	311.3	405.4	516.8
Envirocage	205.3	809.3	1620	2657	3962	5583	7577	1000	12930
400 w/insul.	22.89	77.58	146	231.6	338.1	267.2	357.3	465.3	593.2
Envirocage	241.9	954.1	1911	3136	4677	6594	8953	11830	15290