

MODULAR PANEL (AR-M) PERFORMANCE AND PRESSURE DROP TABLES

HEATING PERFORMANCE

SHOWN IN BTU/HR/PANEL

MEAN WATER TEMPERATURE DEG. F.	PANEL TYPE			
	PERIMETER 2' x 4'	INTERIOR 2' x 4'	PERIMETER 2' x 2'	INTERIOR 2' x 2'
	120	600	560	300
125	690	615	345	308
130	780	675	390	338
135	870	730	435	365
140	960	790	480	395
145	1050	850	525	425
150	1140	905	570	453
155	1230	960	615	480
160	1320	1025	660	513
165	1410	1085	705	543
170	1500	1140	750	570
175	1590	1200	795	600
180	1680	1265	840	633
185	1770	1320	885	660
190	1860	1375	930	688
195	1950	1440	975	720
200	2040	1495	1020	748
205	2130	1560	1065	780
210	2220	1615	1110	808
215	2310		1155	
220	2400		1200	

PERIMETER HEATING PERFORMANCE BASED ON 70°F AIR TEMPERATURE, 67°F A.U.S.T. AND NATURAL CONVECTION. ONE INCH OF THREE-QUARTER POUND DENSITY FIBERGLASS INSULATION WAS PLACED ON THE TOP SIDE OF THE PANELS.

WATER PRESSURE DROP TABLE

SHOWN IN FT/PANEL EXCEPT FOR CONNECTING TUBING.

GPM per CIRCUIT	PANEL TUBING		PANEL CONNECTING TUBING*
	2' x 4'	2' x 2'	3/8" TYPE "L" Ft / 100 Ft.
.2	.04	.02	.36
.3	.09	.05	.76
.4	.15	.08	1.30
.5	.23	.12	1.96
.6	.32	.17	2.75
.7	.42	.22	3.62
.8	.54	.28	4.68
.9	.67	.35	5.81
1.0	.82	.42	7.07
1.1	.97	.51	8.43
1.2	1.14	.59	9.90
1.3	1.33	.69	11.48
1.4	1.52	.79	13.17
1.5	1.73	.90	14.96
1.6	1.95	1.01	16.86
1.7	2.18	1.13	18.86
1.8	2.42	1.26	20.96
1.9	2.68	1.39	23.16
2.0	2.94	1.53	25.47
2.1	3.22	1.67	27.88
2.2	3.51	1.82	30.38
2.3	3.81	1.98	32.98
2.4	4.12	2.14	35.69
2.5	4.44	2.31	38.49

*BOTH PANEL AND CONNECTING TUBING PRESSURE DROPS MUST BE INCLUDED IN THE CIRCUIT PRESSURE DROP CALCULATION.

FLOW RATES BELOW .5 GPM ARE NOT RECOMMENDED