

# RADIANT FLOOR HEATING — SECTION SCHEDULE BASIS

Boiler Side: Water: 180°F Supply, 160°F Return Radiant Floor Side: 120°F Supply, 100°F Return

Model	HEAT EXCHANGER BTU/Hr (max output)	BOILER SIDE		RADIANT WATER SIDE		B&G PUMP SELECTION†	PIPE SIZE
		Flow	Pressure Drop	Flow	Pressure Drop		
		GPM	PSI	GPM	PSI		
BP400-10	25,000	2.6	1.7	2.6	1.2	NRF-22	3/4"
BP400-10	30,000	3.1	2.4	3.0	1.6	NRF-22	3/4"
BP400-10	35,000	3.6	3.1	3.5	2.1	NRF-22	3/4"
BP400-10	40,000	4.1	4.0	4.0	2.8	NRF-36	3/4"
BP400-10	45,000	4.6	5.0	4.5	3.4	NRF-36	1"
BP400-10	50,000	5.2	6.1	5.0	4.2	NRF-36	1"
BP400-10	60,000	6.2	8.6	6.1	5.9	NRF-36	1"
BP400-20	75,000	7.7	3.0	7.6	2.6	NRF-36	1"
BP400-20	100,000	10.3	5.2	10.1	4.4	NRF-36	1-1/4"
BP400-20	125,000	12.9	7.9	12.6	6.8	NRF-36	1-1/4"
BP400-30	150,000	15.5	5.3	15.2	4.9	NRF-36	1-1/4"
BP400-30	175,000	18.0	7.1	17.7	6.5	PL-36	1-1/4"
BP400-40	200,000	20.6	5.8	20.2	5.5	PL-36	1-1/2"
BP400-40	225,000	23.2	7.3	22.7	6.9	PL-55	1-1/2"
BP411-20	250,000	25.8	3.3	25.2	3.0	PL-75	2"
BP411-20	275,000	28.3	4.0	27.8	3.6	PL-50	2"
BP411-20	300,000	30.9	4.7	30.3	4.2	PL-55	2"
BP411-20	350,000	36.1	6.3	35.3	5.6	PL-55	2"
BP411-30	400,000	51.2	4.8	40.4	4.6	601	2"
BP411-30	450,000	46.4	6.1	45.4	5.8	607	2"
BP411-30	500,000	51.5	7.4	50.5	7.1	608	2"
BP422-40	600,000	61.8	8.1	60.6	7.6	609	2-1/2"
BP422-50	700,000	72.1	7.1	70.7	6.8	612	2-1/2"
BP422-60	800,000	82.4	6.5	80.8	6.3	612	2-1/2"
BP422-80	900,000	92.7	4.9	90.9	4.8	611	3"
BP422-80	1,000,000	103	6.0	101.0	5.9	612	3"
BP422-80	1,100,000	113.3	7.2	111.1	7.1	625	3"
BP422-100	1,200,000	123.6	5.9	121.2	5.8	625	3"
BP422-100	1,350,000	139.1	7.5	136.3	7.4	619	3"

Larger Models available upon request

†Assumptions: 50 ft. of total equivalent length of pipe at sizes shown, 1/2" PEX, 0.8 gpm, longest radiant loop is 200 ft., 40 BTU/hr per ft<sup>2</sup>