

# DOMESTIC WATER — SECTION SCHEDULE BASIS

*Boiler Side: Water: 180°F Supply, 130°F Return    Domestic Water Side: 50°F Supply, 140°F Return*

Model	HEAT EXCHANGER BTU/Hr (max output)	BOILER SIDE		DOMESTIC WATER SIDE		B&G PUMP SELECTION†	PIPE SIZE
		Flow	Pressure Drop	Flow	Pressure Drop		
		GPM	PSI	GPM	PSI		
BP400-10	25,000	1.0	0.3	0.6	0.1	NBF-9U	3/4"
BP400-10	30,000	1.2	0.4	0.7	0.1	NBF-9U	3/4"
BP400-10	35,000	1.4	0.6	0.8	0.1	NBF-9U	3/4"
BP400-10	40,000	1.7	0.7	0.9	0.2	NBF-9U	3/4"
BP400-10	45,000	1.9	0.9	1.0	0.2	NBF-9U	3/4"
BP400-10	50,000	2.1	1.1	1.1	0.2	NBF-9U	3/4"
BP400-10	60,000	2.5	1.6	1.3	0.3	NBF-9U	3/4"
BP400-20	75,000	3.1	0.6	1.7	0.2	NBF-9U	3/4"
BP400-20	100,000	4.1	1.0	2.2	0.3	NBF-9U	3/4"
BP400-20	125,000	5.2	1.5	2.8	0.4	NBF-9U	3/4"
BP400-20	150,000	6.2	2.1	3.3	0.6	NBF-9U	3/4"
BP400-30	175,000	7.2	1.4	3.9	0.4	NBF-9U	3/4"
BP400-30	200,000	8.3	1.8	4.4	0.5	NBF-9U	1"
BP400-30	225,000	9.3	2.2	5.0	0.7	NBF-9U	1"
BP400-40	250,000	10.3	1.8	5.6	0.5	NBF-9U	1"
BP400-40	275,000	11.4	2.1	6.1	0.7	NBF-9U	1"
BP400-40	300,000	12.4	2.5	6.7	0.8	NBF-9U	1"
BP400-40	350,000	14.4	3.4	7.8	1.0	NBF-9U	1"
BP410-30	400,000	16.5	4.9	8.9	1.4	NBF-12	1-1/4"
BP411-30	450,000	18.6	6.2	10.0	1.8	NBF-12	1-1/4"
BP411-30	500,000	20.6	7.6	11.1	2.2	NBF-12	1-1/4"
BP410-40	600,000	24.8	6.2	13.3	2.0	NBF-22	1-1/4"
BP410-40	700,000	28.9	7.7	15.6	2.8	NBF-22	1-1/2"
BP410-50	800,000	33.0	6.9	17.8	2.4	NBF-33	1-1/2"
BP410-50	900,000	37.1	8.5	20.0	3.0	NBF-33	1-1/2"
BP422-30	1,000,000	41.3	5.9	22.2	2.2	NBF-33	1-1/2"
BP422-30	1,100,000	45.4	7.0	24.4	2.6	NBF-33	2"
BP422-30	1,200,000	49.5	8.0	26.7	3.2	NBF-36	2"
BP422-40	1,350,000	55.7	6.1	30.0	2.2	NBF-36	2"
BP422-40	1,500,000	61.9	7.5	33.3	2.8	NBF-45	2"
BP422-50	1,750,000	72.2	6.7	38.9	2.4	PL-45B	2"
BP422-50	2,000,000	82.5	8.4	44.4	3.0	PL-50B	2"
BP422-60	2,500,000	103.1	9.0	55.5	3.5	PL-75B	2-1/2"

Larger Models Available

†Assumptions: 20 ft. of copper pipe with (6) 90 deg elbows