

Sizing your Boiler

A properly sized boiler is the key to pasteurizing in a quick timely manner. Since the **tank jackets are only rated to 70 PSI (pounds per square inch)** we recommend using a hot water or low-pressure steam boiler. Check the boiler regulations in your state before purchasing a boiler.

For Hot Water Boilers: The recommended GPM (gallons per minute) is 25-30 with a maximum of 50 GPM.

Tank Size in Gallons	Side Jacket in Gallons	Side Jacket in Sq. Ft.	Bottom Jacket in Gallons	Bottom Jacket in Sq. Ft.	BTU's Required
50	1.8	12	1.4	7	100,000
75	2	13	1.4	7	150,000
100	3	18	1.4	7	200,000
150	4	26	1.4	7	265,000
200	5	33	1.4	7	350,000
300	7	42	2	11	525,000
400	8	48	2	13	600,000
500	9	54	3	17	750,000
600	10	60	3	18	900,000
800	11	68	3	19	1,200,000
1,000	12	82	3.5	20	1,500,000
1,200	16	136	4	22	1,800,000
1,500	18.5	166	4.5	24	2,250,000
2,000	22	204	5	26	3,000,000

Note: Figures below are based on a standard tank and may vary if tank dimensions change.