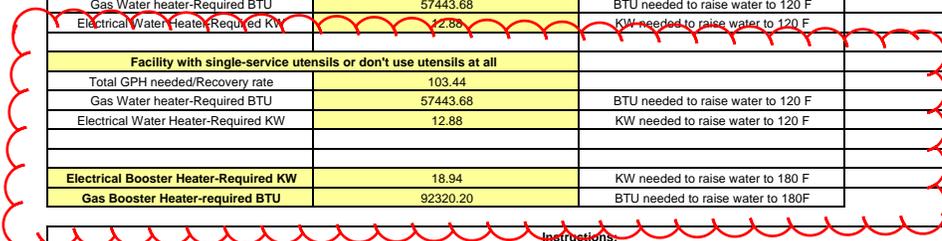


Napa County Water Heater Tank Sizing Water Heater Calculator

Equipment	No. Units	GPH	Total GPH	
Hand wash sink	5	5	25	
Janitorial Sink	1	15	15	
Prep Sink	0	5	0	
3-compartment sink(18x18) per compartment	0	14	0	
3-compartment sink (24x24) per compartment	1	25	75	
Custom 3-compartment sink			0	
Mechanical warewasher	0		14.3	
Hand Spray Pre-rinse	0	45	0	
Garbage can area	0	15	0	
3 comp Bar sink	0	18	0	
Cloth washers (9-12 lbs)	0	45	0	
Cloth washer (16 lbs)	0	45	0	
Employee shower	0	20	0	
Coffee urn	0	5	0	
Single pot rinse	0	25	0	
Double pot sink	0	50	0	
Triple pot sink	0	75	0	
Other fixtures that use hot water		0	0	
<b>Total GPH (TGPH)</b>			<b>129.3</b>	
Custom 3-compartment sink	Length	0		
	Width	0		
	Depth	0		
	Water usage		0	
<b>Warewasher</b>			Number of units	Total water usage
Mechanical food related utensilware washer	Racks per hour	0		
	Water usage per rack - Gallons	0		
	Total water usage	0.00	0	0
Glass ware washer	Racks per hour	22		
	Water usage per rack - Gallons	0.65		
	Total water usage	14.30	1	14.3
			1	14.3
<b>Facility using multi service utensils</b>				
Total GPH needed/Recovery Rate	129.3			
Gas Water heater-Required BTU	71804.60	BTU needed to raise water to 120 F		
Electrical Water Heater-Required KW	16.11	KW needed to raise water to 120 F		
<b>Facility using multi service utensils-moderate use</b>				
Total GPH needed/Recovery Rate	103.44			
Gas Water heater-Required BTU	57443.68	BTU needed to raise water to 120 F		
Electrical Water Heater-Required KW	12.88	KW needed to raise water to 120 F		
<b>Facility with single-service utensils or don't use utensils at all</b>				
Total GPH needed/Recovery rate	103.44			
Gas Water heater-Required BTU	57443.68	BTU needed to raise water to 120 F		
Electrical Water Heater-Required KW	12.88	KW needed to raise water to 120 F		
<b>Electrical Booster Heater-Required KW</b>	18.94	KW needed to raise water to 180 F		
<b>Gas Booster Heater-required BTU</b>	92320.20	BTU needed to raise water to 180F		



- Instructions:**
- 1) Complete blue boxes (enter 0 if not existent)
  - 2) For "Other fixtures that use hot water" contact the Health Department for more information
  - 3) Information for mechanical warewashers and custom equipment can be found in the cut sheets.
  - 4) The required temperature rise of water is 50F.
  - 5) GPH = Gallons per Hour
  - 6) To calculate kilowatts multiply volts by amperes Kw=(v\*amp)/1000
  - 7) Make sure that all blue boxes are filled