

Unit Selection

Base Model (No Suffix)

All SpecAdvantage models are designed for low duty cycle applications where precise temperature controls and low pressure are required. Models without a suffix are set to a maximum temperature of 140°F if the turn on is greater than 1.5 GPM. Models with a 1.0 or 1.5 GPM turn on are limited to 120°F.

Suffixes:

- S** **Sanitation**
For applications that require high-temperature delivery. Units shipped at 180°F.
- EE** **Emergency Eyewash**
ANSI Z3581.1 tepid water for emergency eyewash stations
- ESD** **Emergency Eye, Face & Drench**
ANSI Z3581.1 tepid water for emergency eye, face, and drench showers

Select the best model based on your hot water requirements. You need a proportional amount of energy to heat the flow (GPM) needed for the application. The chart below shows a range of possible applications and the recommended unit size (kW).

NOTE: For simple calculation, kW reference is based on a 100% heater efficiency.

$$\text{kW Required} = \text{GPM} \times (\text{temp rise}/6.83)$$

GPM	TEMPERATURE RISE °F														
	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	
VOLTS 208 Three Phase Delta															
1.5	32 kW	32 kW	32 kW	32 kW	32 kW	32 kW	32 kW	32 kW	32 kW	32 kW	32 kW*	32 kW*	32 kW*	36 kW*	
2.5	32 kW	32 kW	32 kW	32 kW	32 kW	32 kW	32 kW	36 kW	41 kW	41 kW	54 kW*	54 kW*	54 kW*	64 kW*	
3	32 kW	32 kW	32 kW	32 kW	32 kW	32 kW	36 kW	41 kW	54 kW	54 kW	54 kW*	64 kW*	64 kW*		
4	32 kW	32 kW	32 kW	32 kW	36 kW	41 kW	54 kW	54 kW	64 kW						
5	32 kW	32 kW	32 kW	41 kW	54 kW	54 kW	64 kW								
6	32 kW	32 kW	36 kW	54 kW	54 kW	64 kW									
7	32 kW	32 kW	41 kW	54 kW	64 kW										
8	32 kW	36 kW	54 kW	64 kW											
10	32 kW	54 kW	64 kW												
15	54 kW														
20	64 kW														
VOLTS 480 Three Phase Delta															
2.5	36 kW	36 kW	36 kW	36 kW	36 kW	36 kW	36 kW	36 kW	39 kW	48 kW	48 kW*	48 kW*	54 kW*	63 kW*	
3	36 kW	36 kW	36 kW	36 kW	36 kW	36 kW	36 kW	48 kW	48 kW	54 kW	54 kW*	63 kW*	63 kW*	72 kW*	
4	36 kW	36 kW	36 kW	36 kW	36 kW	48 kW	48 kW	54 kW	63 kW	72 kW	72 kW*	96 kW*	96 kW*	96 kW*	
5	36 kW	36 kW	36 kW	39 kW	48 kW	54 kW	63 kW	72 kW	96 kW	96 kW	96 kW*	96 kW*	108 kW*	126 kW*	
6	36 kW	36 kW	36 kW	48 kW	54 kW	63 kW	72 kW	96 kW	96 kW	108 kW	108 kW*	126 kW*	126 kW*	144 kW*	
7	36 kW	36 kW	48 kW	54 kW	63 kW	72 kW	96 kW	96 kW	108 kW	126 kW	126 kW*	144 kW*	144 kW*		
8	36 kW	36 kW	48 kW	63 kW	72 kW	96 kW	96 kW	108 kW	126 kW	144 kW	144 kW*				
10	36 kW	48 kW	63 kW	96 kW	96 kW	108 kW	126 kW	144 kW							
15	48 kW	72 kW	96 kW	126 kW	144 kW										
20	63 kW	96 kW	126 kW												
23	72 kW	108 kW	144 kW												
26	96 kW	126 kW													
30	96 kW	144 kW													
VOLTS 600 Three Phase Delta															
3	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW						
4	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW						
5	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW	61 kW	71 kW						
6	61 kW	61 kW	61 kW	61 kW	61 kW	71 kW	71 kW	102 kW							
8	61 kW	61 kW	61 kW	61 kW	71 kW	102 kW	102 kW	130 kW							
10	61 kW	61 kW	61 kW	102 kW	102 kW	130 kW	130 kW	150 kW							
15	61 kW	71 kW	102 kW	130 kW	150 kW										
20	61 kW	102 kW	130 kW	150 kW											
23	71 kW	102 kW	150 kW												
26	102 kW	130 kW													
30	102 kW	150 kW													

* S models only