

$$Q_{Btu/Hr} = 500 \times Flow_{gpm} \times (t_{Entering, ^\circ F} - t_{Leaving, ^\circ F})$$

Where:

$Q_{Btu/Hr}$  = Load in Btu/hr

500 = Units conversion constant, good for water between 30 and 200°F

$Flow_{gpm}$  = Flow through the heat exchanger in gallons per minute

$t_{Entering, ^\circ F}$  = Temperature entering the heat exchanger in °F

$t_{Leaving, ^\circ F}$  = Temperature leaving the heat exchanger in °F