



McQuay Templifier™ Water Heaters

Reduce your energy costs and minimize your carbon footprint with a unique heat recovery technology

McQuay Templifier Water Heaters use a unique technology to recover large amounts of heat that would typically be rejected from the building and then use that heat for processes, building heat or domestic hot water. The name says it all: Temperature Amplifier — Templifier.

Templifier units can produce up to 160 °F water for use in service hot water heating or reheat applications. Both HVAC and process applications can reduce energy costs by using a Templifier water heater.



Building or Facility Uses	
Hospitals	Laundry Service
Hotels	Kitchens
Schools	Swimming Pools
Fitness Centers	

Process Applications	
Food Processing	Process Hot Water
Textiles	Preheat Feed Water
Paper Mills	

HVAC Applications	
Space Heating	Reheat/Dehumidification
Service Hot Water	Outside Air Heating





One-Year Payback

Using an economic analysis program such as McQuay Energy Analyzer™ software, a Templifier system can show a payback in less than a year based on several factors.

- Using recovered heat to raise the temperature of water for building heat or domestic hot water heating
- Heating water more economically than fossil fuel or electric resistance heaters
- Off-loading boilers and/or cooling towers, delaying or eliminating an equipment capital expense for increased heat production



Which McQuay Templifier Model is Right for You?		
	TGZ Scroll Templifier	TSC Centrifugal Templifier
Heating Capacity	600 to 3,100 MBh (176 to 908 kW)	3,000 to 19,200 MBh (880 to 5,630 kW)
Maximum hot water temperature	160 °F (71 °C)	140 °F (60 °C)
Refrigerant	R-134a	R-134a
Communication protocol options	BACnet®, Modbus®, LonTalk®	

Heat Recovery Strategies and Green Solutions


Heat recovery provides such effective opportunities for energy savings that ASHRAE Standard 90.1 requires heat recovery be used for service hot water heating and reheat in many buildings. The Leadership in Energy and Environmental Design (LEED®) guidelines also require compliance with Std 90.1. Moreover, using heat recovery where not required may contribute toward additional LEED points.

McQuay Templifier Water Heaters provide significant environmental impact advantages over a fossil-fired boiler or an electric resistance heater, as shown in the comparison below.

Compared to a Templifier unit, a resistance heater burns seven times the fuel quantity and an on-site boiler consumes three times the fuel quantity to produce that same one million Btu of 120-degree water.

Comparison of fuel required to produce 1,000,000 Btu of hot water at 120 °F

McQuay Templifier Unit = 

Electric Resistance Heater = 

Fossil-Fired Boiler = 

Responsible Refrigerant

Another green advantage of McQuay Templifier Water Heaters is that they use HFC-134a refrigerant which has no ozone depletion potential and no phase-out schedule under the Montreal Protocol.

For more information about McQuay Templifier Water Heaters, contact your McQuay representative. To find a McQuay representative near you, visit www.mcquay.com.

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800.432.1342
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