

## PREPARING YOUR GREEN SCHOOL FOR EFFICIENT HOT WATER DELIVERY: THE KELTECH TANKLESS ADVANTAGE

If you are in the process of designing a green school or trying to get more LEED points for your program's certification, you need to consider a Keltech electric tankless water heating solution as part of your overall strategy to reduce energy and natural resource consumption.



### THE SMART CHOICE FOR HOT WATER HEATING

Regardless of whether your green school project is a new build or a renovation, Keltech tankless water heaters are a natural and smart choice for installation in all schools that want to reduce the use of natural resources and lower operating costs. Here's why Keltech tankless water heaters make sense: Hot water use in schools is sporadic not continuous. So there's no reason to heat water until it's needed.



### REDUCE UNNECESSARY RESOURCE USE

By design, the Keltech tankless water heating solution reduces the unnecessary consumption of natural resources and energy. Our electric tankless water heaters only draw energy when there is a demand for hot water. Without hot water demand there's no electricity cost and no unnecessary use of resources. When there is demand, the Keltech tankless water heater quickly heats water up to temperature.

### DON'T JUST TAKE OUR WORD FOR IT

The U.S. Department of Energy (DOE) study, [\*"Energy Design Guidelines for High Performance Schools" \(p.38\)\*](#), encourages the use of tankless water heaters.

The ASHRAE study, [\*"Advanced Energy Design Guide for K-12 School Buildings Service Water Heating Section" \(pp.149-151\)\*](#) also encourages the installation of tankless water heaters and recognizes their energy efficient nature and lower life cycle costs. The report identifies the range of varying water heating needs and temperatures for lavatories, kitchens, locker rooms, science labs, workshops, art rooms and vocational rooms. Because hot water demand in schools varies by room or activity, Keltech tankless water heaters may be the best solution to meet those needs.

The publication, [\*"School Operations and Maintenance: Best Practices for Controlling Energy Costs, A Guidebook for K-12 School System Business Officers and Facilities Managers" \(pp.51-67\)\*](#), notes that HVAC and lighting consume the most energy in a typical school. Water heating is the third largest consumer of energy. It's clear from this publication that the biggest opportunity to lower costs and save energy is by reducing or eliminating unnecessary use.

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## PREPARING YOUR GREEN SCHOOL *(continued)*

### **KELTECH TANKLESS WATER HEATING SOLUTIONS REDUCE UNNECESSARY RESOURCE USE AND LOWER OVERALL OPERATING COSTS**

The Keltech tankless solution reduces the unnecessary consumption of natural resources and energy. It heats water only when activated. It doesn't require new policies and procedures to reduce unnecessary resource use; it's so simple and easy to use that no one has to remember to turn it on or turn it off.

Regardless of whether your green school project is a new build or a renovation, a Keltech tankless water heater is a simple and efficient way to save energy and natural resources.

#### **HELPFUL LINKS:**

Build Green Schools

<http://www.buildgreenschools.org>

USGBC: LEED for Schools

<http://www.usgbc.org/DisplayPage.aspx?CMSPageID=1586>

Building Technologies Program: EnergySmart Schools Home Page

<http://www.eere.energy.gov/buildings/energysmartschools>

Advanced Energy Design Guide for K-12 Schools (PDF)

<http://www.ashrae.org/publications/page/1604>

### **Reduce Natural Resource Use with a Keltech Tankless Water Heater**



- Performs on-demand – reduces water waste
- Low flow activation compatible
- Only heat the water you use



800-999-4320  
**WWW.KELTECH.US**