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PLUMBING • HYDRONIC HEATING
FIRE SPRINKLERS

The Lunt Marymor Company's favorite tank-less hot water heater!

Product Benefits

Endless Hot Water
Takagi tank-less water heaters provide endless hot water plus a whole lot more. Properly sized for the job at hand, a Takagi will supply a steady flow of hot water at the designated temperature for as long as it's needed, wherever it's needed.

Up to 50% energy savings
Not only does Takagi provide you with continuous endless hot water…it does it in the most energy-efficient way possible. Traditional tank-type water heaters constantly burn gas in order to maintain the set water temperature in the tank, even when water is not being used. With a Takagi tank-less water heater, it only heats water when you need it. So when you're at work or on vacation and no one is at home, it's not wasting gas.

Takagi tank-less heaters can pay for themselves in energy savings alone. As of January 1st, 2006, homeowners are also eligible for a $300 federal income tax credit if they install one of Takagi's highly energy-efficient water-heating units.

Space savings
Get up to 90% Space Savings vs. traditional water heaters. With no tank to steal valuable floor space, Takagi's wall-mounting design frees up your basement, garage or utility room for additional storage and versatility.

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Compact Size: Only 13.8 inches wide, the T-K3 can be recessed between wall studs for even more space savings! A special recess box is available for outdoor installations.

Lower Activating Flow Rate: The T-K3 activates at only 0.5 GPM, which allows the use of smaller water flows in bathroom sinks and showers. This reduces water waste and allows for stable temperatures.

Parallel Installation: Using Takagi's Easy Link technology, the T-K3 can be installed in parallel with up to three other units without the use of an additional control box, generating more flow while saving money, space and installation time. Four T-K3 unites will deliver a total of 21.6 GPM at 60 degrees F delta T; or 26 GPM at a 50 degree F delta T.

Direct-Vent Conversion: The T-K3 can be easily converted into a direct vent model for inside installations that need to import combustion air from outside.

Eight Temperature Settings: Instead of the usual four settings, the T-K3 offers eight separate temperatures, set by dip-switch: 104 degree F, 113 degree F, 122 degree F, 131 degree F, 140 degree F, 158 degree F, 176 degree F, and 185 degree F. This versatility reduces the need for a separate remote control. However, setting temperatures other than the eight presets requires the TM-RE10 temperature controller.

Longer vent runs: The T-K3 can have a vent pipe run up to 50 feet with five elbows, instead of the normal 35 with three elbows.

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Sizing Considerations:

Light Residential Usage:

A typical scenario would involve two people living in a small home, condominium or apartment with one bathroom and possibly a dishwasher and a washing machine. The T-K Jr. will supply enough hot water to run both the shower and one of those appliances simultaneously – unless the incoming water is almost freezing. In that case, the homeowner may have to run only one fixture at a time.

Standard Residential Usage:

If five people are living in a mid-sized home (for example, two parents, working full-time, and three teenagers), two showers and a sink or a washer will likely be operating simultaneously each weekday; i.e. in the morning when everyone is getting ready for work or school. For this type of family, the T-K3 are recommended, but only if showers are low-flow (2.0 to 2.5 GPM) and incoming water temperatures are about 50°F or higher. For very cold water temperatures, such as 60°F or higher, two showers and one appliance can be used at the same time with no problems.

Heavy Residential or Commercial Usage:

This category describes larger homes with three or more showers used simultaneously. It would also include a single master bath, featuring a shower with multiple heads or body sprays. Here, you must determine the exact maximum flow rate, using the flow chart for the T-K3, T-M1, T-M199, or the T-H1. The chart will tell you which unit is best for the application and possibly how many of them you will need.
Generally, the T-M1 and the T-H1 will supply three to four showers at once, depending on the incoming water temperature. If a higher flow is required, multiple T-M1, T-M199 or T-K3 units will provide the solution. To determine the precise number.

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How a tank-less hot water heater works:

1. A hot water tap is opened.
2. The water enters the heater.
3. A water flow sensor detects the water flow.
4. The computer automatically ignites the burner.
5. The water circulates through the heat exchanger (coil).
6. The heat exchanger instantly heats the water at the designated temperature (this takes only 5 seconds).
7. The heater can provide you with endless hot water continuously so no more running out of hot water in the middle of a shower!
8. When the hot water tap is turned off, the unit shuts down automatically.