

# Hot Water Tank Capacity Extender



The Series LFLM496-HTK mixing valve kit installs on a hot water tank to increase hot water capacity by providing greater control over water temperature and flow. The valve:

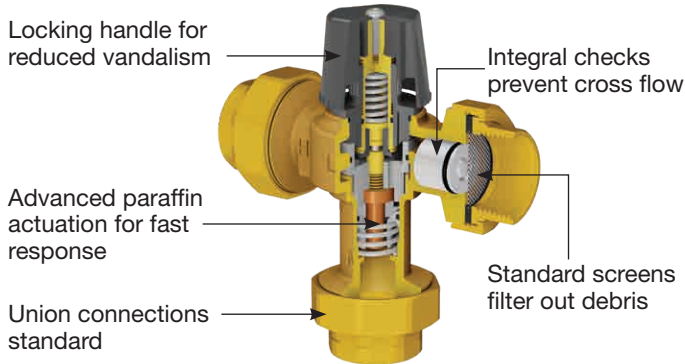
- Allows water to be stored at higher temperatures
- Regulates the amount of hot water supplied to the valve to precisely maintain outlet set-point temperature
- Avoids the need to replace a hot water tank with a larger-capacity unit
- Extends water heater capacity by as much as 133% depending on storage and incoming cold water temperature
- Limits and maintains mixed outlet temperature via lockable function
- Helps reduce water-temperature-related risks, such as Legionella and scalding

# National Appliance Energy Conservation Act (NAECA)

NAECA 3 calls for higher energy factor (EF) ratings on virtually all residential water heaters, as well as some light-duty commercial products. This act impacts the size of water heaters and space restrictions. Installed on a hot water tank, the Powers Hot Water Tank Capacity Extender offers:

- A cost-effective solution
- Greater control over temperature set point
- Increased hot water yield

The LFLM496-HTK mixing valve can increase a tank's hot water capacity by precisely controlling the valve's inlet flow of hot water to maintain mixed outlet temperature. In this way, a smaller-capacity hot water tank can cost-effectively provide greater amounts of hot water where space and size constraints are present.



## Extending Hot Water Tank Capacity with the LFLM496-HTK Mixing Valve (Based on 40-gallon Water Heater)

INCOMING WATER TEMP. (°F)	STORAGE TEMP (°F)			
	120	140	160	180
		INCREASES CAPACITY BY:		
45	BASELINE	27%	53%	80%
55		31%	62%	92%
65		36%	73%	109%
75		44%	89%	133%

Why Choose the Hot Water Tank Capacity Extender?	Features	Benefits
<b>Control</b>	Provides greater control over water temperature by precisely controlling the flow of inlet hot water to maintain mixed outlet temperature at a desired, selectable temperature	<p>Allows the hot water tank to be set to a higher temperature, to help minimize the occurrence of Legionella and other water-borne bacteria</p> <p>Allows for precise control of water temperature, thus minimizing the risk associated with scalding</p> <p>Integral checks and screens prevent cross-flow and contamination</p>
<b>Capacity</b>	Increases a water tank's hot water capacity by as much as 133% depending on storage and incoming cold water temperature	Greater hot water yield without installing a larger capacity tank
<b>Cost Savings</b>	Eliminates the need to replace an existing hot water tank with a higher capacity or insulated unit that could be as much as two inches wider or taller	<p>Eliminates need to purchase and install a larger capacity tank</p> <p>Valve and key components conveniently packaged in one box, easing installation</p>

Valve listed to ASSE 1017, ASSE 1070, & IAPMO cUPC  
Lead Free\* valve construction

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

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