

Minimum Water Quality Guidelines for LEGALETT Hot Water Systems:

(Note that these guidelines can be applicable to any water based heating system)

There are two basic types of hot water systems, each with differing recommendations.

1. CLOSED SYSTEMS

A closed system is a water system that circulates the same (non-potable) water through a loop from the water heating source to the LEGALETT heating insert. This requires a dedicated heat source, OR a heat source with a heat exchanger to transfer energy between potable water and the non-potable water used with the LEGALETT heaters. The heat source may be a hot water tank with an internal or external add-on heat exchanger, or a boiler.

2. OPEN SYSTEMS

An open system is a water system that circulates potable (domestic) water through the loop from the water heating source to the LEGALETT heating insert. The same hot water tank as that which is used for domestic (potable) use is also used for the LEGALETT system.

Parametre / Use	SYSTEM TYPE	
	CLOSED	OPEN
Application	Any number of heaters	- Acceptable for single heater use for adding to any existing equipment. - For multiple heaters or for new installation, a Closed System is recommended.
Control Valve Cleaning	5 years	2 years
Maximum Temperature	160° F / 70° C	140° F / 60° C
Hardness	Some hardness is acceptable for initial fill, though soft is preferred	Soft water only
pH	6 - 8 (Initial fill) (Will stabilize over time)	7 - 7.5
High TDS, Dissolved CO ₂ , (> 10 ppm), or any Dissolved Oxygen	Avoid	Avoid
Turbidity	<5 NTU	<5 NTU

Failure to follow these guidelines may result in reduced system effectiveness due to mineral deposits, or component failure, and may void the product warranty.