



TANK BOOSTER™ PRO

Water Heater Mixing Valve

✓ **COMFORT**

Easy add on water heater accessory that increases usable hot water.

✓ **PROTECTION**

Controls hot water to prevent serious burns and injury from accidental scalding.

✓ **SAFETY**

Reduces the risk of Legionella bacteria growth by enabling the water heater temperature to be increased to 60°C.

**Are You Running
Out Of Hot Water?**

Increase hot water
system capacity with
Tank Booster Pro!



GETTING MORE HOT WATER

Installing a Tank Booster Pro increases the amount of usable hot water by as high as 234% on gas water heaters and 125% on electric water heaters. The amount of hot water available may change based on the size and manufacturer of the water heater, flow rate and the cold water inlet temperature.

GROUND WATER TEMPERATURES

Degrees in Celsius



PERCENTAGE INCREASE OF HOT WATER — ELECTRIC WATER HEATER					
Hot Water Tank Storage Temperature		Cold Water Inlet Temperature			
		3.9°C (39°F)	13°C (55°F)	18°C (65°F)	26.7°C (80°F)
49°C	120°F				
60°C	140°F	41%	42%	57%	60%
71°C	160°F	82%	92%	96%	125%

Percentage increase compared to tank with water heater stored at 49°C (120°F) and water drawn at a steady rate of 3 gallons per minute until the outlet temperature dropped by 12°C. (Based on results at an independent test laboratory—CSA International on a 40 gallon electric water heater.)

PERCENTAGE INCREASE OF HOT WATER — GAS WATER HEATER					
Hot Water Tank Storage Temperature		Cold Water Inlet Temperature			
		3.9°C (39°F)	13°C (55°F)	18°C (65°F)	26.7°C (80°F)
49°C	120°F				
60°C	140°F	42%	51%	68%	174%
71°C	160°F	72%	104%	117%	234%

Percentage increase compared to tank with water heater stored at 49°C (120°F) and water drawn at a steady rate of 3 gallons per minute until the outlet temperature dropped by 12°C. (Based on results at an independent test laboratory—CSA International on a 40 gallon gas water heater.)

PROTECTION AGAINST SCALDING AND LEGIONELLA

It only takes seconds for hot water to burn or scald, and it can happen even quicker with young children. You can ensure that water is delivered at a safe temperature to all outlet fixtures by adding a Tank Booster Pro mixing valves to new or existing water heaters.

The harmful Legionella bacteria thrives in warm water environments, and storing water at 49°C (120°F) or less creates the ideal conditions for this bacteria to grow. The growth of this bacteria can be minimized, or eliminated, by being able to safely increase your hot water heater's temperature to 60°C (140°F) or higher.

TIME/TEMPERATURE RELATIONSHIPS IN SCALDS		
Temperature	Time for a mild First Degree Burn	Time For Permanent Second Degree Burn
49°C (120°F)	3 minutes	9 minutes
50°C (122°F)	1 minute	5 minutes
52°C (125°F)	30 Seconds	90 seconds
55°C (131°F)	5 seconds	25 seconds
60°C (140°F)	2 seconds	5 seconds
65°C (149°F)	1 second	2 seconds
68°C (154°F)	Instantaneous	1 second



PRODUCT DESCRIPTION	PART #
TankBooster Pro w/ Corrugated Hose + Integral Checks	24639
TankBooster Pro w/ Braided Hose + Integral Checks	24832

Now available with stainless steel braided or corrugated hose.