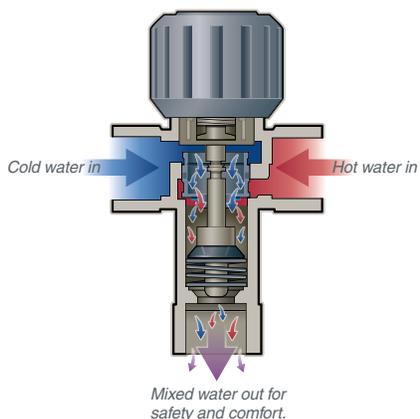




## How Mixing Valves Work

Cold Water Is Mixed With Hot Water To Provide Safety And Comfort At The Faucet.

A Honeywell mixing valve allows you to set your water heater to a higher temperature to reduce the threat of bacteria growth, yet the mixing action helps prevent scalding. Plus, you'll increase your available hot water supply by mixing hot water with cold.



## Honeywell Mixing Valves

One little addition that helps improve your family's safety, health and comfort. Ask your contractor which mixing valve is right for you.



### Sources

<sup>1</sup> *Legionella*. *Legionella* 2003. An updated and statement by the Association of Water Technologies. June 2003.

<sup>2</sup> Information gathered from:  
Hot water burn and scalding graph. (2004)  
Retrieved June 20, 2005, from Hot Water Burn Prevention and Consumer Safety.

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## Thermostatic Mixing Valves



**Get The Peace Of Mind That Comes From Improved Safety, Health And Comfort.**

**Honeywell**

# Honeywell Thermostatic Mixing Valves

Provide Increased Protection And Comfort For Your Family



more hot water

peace  
of mind



## Health

### Mixing Valves Help To Prevent Bacteria Growth

When a water heater's temperature is set too low, deadly *Legionella* bacteria can grow. The growth of *Legionella* is reduced when the water is heated to 140° F<sup>1</sup>. A Honeywell mixing valve allows you to set your water heater at a higher temperature to kill bacteria while eliminating concerns about water being too hot at the tap.



95° F to 110° F  
**Legionella Growth**



140° F to 180° F  
**Legionella Growth Controlled**

*Honeywell mixing valves are designed to prevent the growth of bacteria by allowing you to set your water heater at 140° F.*

## Safety

### Mixing Valves Help To Prevent Scalding\*

Mixing valves also help prevent burns and injuries due to scalding. As the chart below shows, burns from hot water can occur in just seconds — even less for small children. A mixing valve reduces the temperature at either the water heater or the faucet, so your family can use the sink, shower or tub without fear of scalding.

TEMPERATURE	ADULTS Skin thickness of 2.5 mm	CHILDREN 0-5 YEARS <sup>2</sup> Skin thickness of 0.56 mm
160° F	1 second	.05 seconds
155° F	1.5 seconds	1 second
150° F	2 seconds	1.5 seconds
145° F	3 seconds	2 seconds
140° F	5 seconds	3 seconds
135° F	15 seconds	4 seconds
130° F	35 seconds	10 seconds
125° F	3 minutes	2 minutes
120° F	10 minutes	5 minutes
100° F	Safest Water Temperature for Bathing	

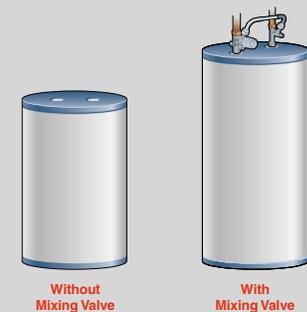
*Burns can occur quickly, but Honeywell mixing valves help prevent scalding. In fact, Honeywell mixing valves meet the most stringent safety standards in the industry.*

\*when used as directed

## Comfort

### Enjoy More Available Hot Water

The demands of today's busy families can often be a strain on the hot water supply. But not with a Honeywell mixing valve. By raising the stored water temperature to 140° F or higher, less hot water is required to mix with the cold water to reach a comfortable temperature. The mixing action gives you up to 60-gallon performance from a 40-gallon tank. So the last person in the shower is less likely to come out shivering.



*The mixing action of a Honeywell mixing valve can give you up to 60-gallon performance from a 40-gallon tank — it's like adding a larger water heater without taking up the space.*