

## Convenience and Comfort

Home owners today are constantly seeking improvements to their lifestyle. Dishwashers, garbage disposals, microwave ovens, electric garage door openers – all once considered optional home features are now standard. No wait hot water is destined to become another one of these standard features. Home builders and plumbing contractors are making HWR a feature that not only adds value to the home, but delivers the comfort and convenience of instant hot water that should be expected. Imagine turning on a shower and getting hot water immediately. Why wait while cold water is going down the drain?

## Savings and Payback

How many stop to think what happens to the 2-3 gallons that run down the drain during the wait? Those gallons of water are wasted, and in an average household that takes four showers per day, that can add up to thousands of gallons per year. Multiplied by a subdivision of 300 homes, a community can have millions of gallons of water go down the drain into the sewer system every, single year. Hot water recirculation means hot water in an instant without unnecessary waste. Payback will result from the reduction of water usage, and water waste.

## Helping the Community and Environment

Fresh water is a precious natural resource that is slowly being depleted. In many parts of the world, stringent water conservation is already a part of everyday life. Even in the U.S., rising population and arid climates in some Western states have resulted in higher costs and stronger focus on water conservation. Hot water recirculation is a cost-effective method of controlling any additional waste of water.



be think innovate

### Information for your contractor

	Model	Material Number
Retrofit	Comfort System UP 15-10 SU7P TLC	595916
	UP10-16B5 LC	97525905
New Construction with Return Line	UP10-16B5 TLC	97525907
	UP10-16B5ATLC	97525908
	UP10-16BN5 LC	97525909
	UP10-16BN5 TLC	97525910
	UP10-16BN5 ATLC	97525921
	UP10-16BU ATLC	97525922
	UP15-29SF	59896771
	UP15-29SU	59896775
	UP15-29SU/LC	59896776
	ALPHA 15-55SF	59896879
	ALPHA 15-55SF/LC	59896834

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**MODERN  
COMFORT  
BY GRUNDFOS**

*How long  
do you wait  
for hot water?*

**Ask about Grundfos  
Hot Water Recirculation**

**GRUNDFOS** 



Many home owners wait up to 60-seconds or more for hot water to their faucet or shower...

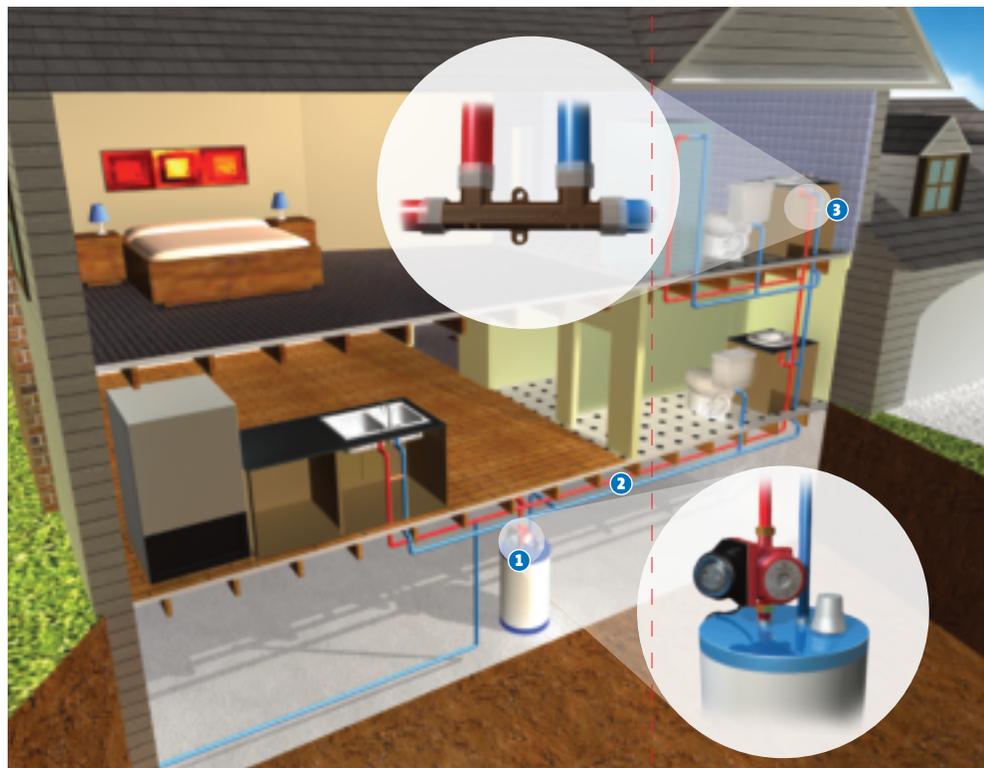
**With Grundfos you get hot water without the wait!**

### What is Hot Water Recirculation?

Hot water recirculation means a continuous flow of hot water in the hot water supply line of your home. Without a “recirc” system, unused hot water in the line cools and must be evacuated before hot water from your hot water heater can reach the desired faucet. As a result, gallons of water are wasted – and so is your time.

### What are you waiting for?

Convenience and conservation are here now. You know what it’s like to run the tap and wait for the shower to heat up before stepping in. Waiting for hot water is inconvenient and it wastes time and money. With a hot water recirculation system, the comfort of hot water in an instant and the elimination of water waste are a turn of the knob away.



### How Hot Water Recirculation Works

#### Retrofit – Comfort System®

This system uses the cold water supply line as the “return-line” to the water heater. A circulator pump is used to create a pressure differential that allows the cold and cool water in the hot water supply line to by-pass (at low volume) into the cold supply line through a patented thermostatically controlled valve that is mounted under the sink furthest from the water heater.

#### New Construction – UP(S) with Return Line

During construction of a new home, a dedicated return line is installed between the end of the hot water supply line and the water heater. A circulator pump is installed at the point where the return line connects to the hot water tank. The circulator pushes heated water from the tank through the supply line and back through the return line.

### THE GRUNDFOS COMFORT SYSTEM Retrofit Installation

- 1 pump:** The Comfort System is installed on your hot water heater to help pull “recycled” water back to the hot water heater to be reheated and recirculated.
- 2 pipes:** Hot water is always at hand because it continuously circulates from the hot water line to the cold water line and back to the hot water heater.
- 3 valve:** Placed under the sink furthest from the hot water heater, the valve helps regulate the flow from the hot water line to the cold water line.

Don't let **11,461** gallons go down the drain in vain.

Save water, money and time with Grundfos Hot Water Recirculation.

The average home wastes over 31 gallons a day and over 11,000 gallons a year waiting for hot water. That's not just wasted water, that's wasted money and wasted time. But you don't have to take it anymore.

For more information about Grundfos Hot Water Recirculation solutions go to:  
**[moderncomfort.grundfos.us](http://moderncomfort.grundfos.us)**