



Home Tips



• CHRISTIAN BUILDING INSPECTORS, INC., 3697 HABERSHAM LANE, DULUTH, GEORGIA 30096, 770-849-0920 • MARCH 2014 •

Q & A

Instant Hot Water Pump?

We are tired of wasting water waiting on the water to turn hot. Is there a simple way to circulate the hot water without spending a bunch of money?

An average home has 125 feet of 3/4 inch pipe which holds 3.14 gallons of water. If hot water is used 10 times per day, 31 gallons of water is wasted running the faucets/shower to get hot water. In a year, this equals to 11,461 gallons of water. 25.2 million homes waste approximately 300 billion gallons of water annually.

Previously I thought you had to install a loop in your water pipes in order to circulate the hot water. However, that is not the only way to accomplish the goal. Watts, one of the largest plumbing suppliers, has created a system with only two simple parts: an electric pump and a sensor valve.



Instant Hot Water Recirculating System

Watts Instant Hot Water Recirculating System brings convenience and savings to your home, giving you hot water instantly at every faucet or shower when you need it. This unique product connects easily to existing plumbing. It saves up to 15,000 gallons of water per year and up to 10% of your water bill.

Features

- Easy to install under one hour.
- 24 hour programmable timer activates the pump only when needed.

- Maintenance free.
- Pump mounts directly onto a water heater with 3/4" connections.
- Can be used with all types of pipe.
- 10 foot power cord.
- 1/2" thermal bypass valve.
- Extremely quiet - no vibrations.
- Cost \$0.05 a day to operate.
- This product is available through retail stores only.

How it Works

A pump with a built-in timer is installed on the hot water line from the water heater.



A patented sensor valve opens when the water on the hot water side cools and pushes the cool water back to the water




heater. As the temperature in the hot water line hits 98°, the valve closes.

Some homes are designed with multiple hot water loops, one per floor, etc. If one section of the house does not receive hot water, you will need to purchase a Watts Sensor Valve Kit for each loop. For best results, the valve should be located at the faucet furthest from the water heater in each loop.

Cons To The System

The sensor valve may not always work on single lever faucets that are commonly found in kitchens and the life of the valve is not very long meaning it may need to be replaced every year.

Product Brochure



Installation Instructions

View at: <http://media.wattswater.com/IS -IHWSR.pdf>

Purchasing

The pump can be purchased from a number of suppliers. Amazon had it available for \$189.00 with free shipping. If you have more than one level or zone, you may need to buy another sensor valve kit which sells for around \$58.00.

Specifications

Model Description: 500800 Recirculating Pump System

UPC: 098268253764

Sensor Valve Kit

Model Description: 596816 Sensor Valve Kit

UPC: 098268256987

Source: <http://www.watts.com/pages/whatsnew/IHWSR.asp>

Quote Of The Month

"Few Things Help An Individual More Than To Place Responsibility Upon Him And To Let Him Know That You Trust Him."

Booker T. Washington

A Tip Of The Hat To:

Barbara & Ausker Morris

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Thank You

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