



Uponor

PLUMBING SYSTEMS

**D'MAND® HOT WATER
DELIVERY SYSTEM**

Perfect Comfort On Demand

D'MAND®

Fast and Efficient Hot Water Delivery

The End of Waiting

The D'MAND® Hot Water Delivery System

Sophisticated buyers expect perfection. You can now offer them the ultimate in convenience with the D'MAND® Hot Water Delivery System. The system provides hot water quickly while saving energy, water and money. The D'MAND pump delivers hot water in seconds. No more waiting minutes for the shower to warm up, wasting water down the drain the whole time.

Hot Water on Demand

Homeowners activate the D'MAND system with a push button or motion sensor located by each fixture. Within seconds, D'MAND delivers hot water and turns off its pump when it has finished its job. User-activated D'MAND is more suitable than timer systems for today's unpredictable schedules, and it saves more energy than systems that are always on.

Saves Energy, Money and the Environment

D'MAND can save as much as 40 gallons of water a day in a typical home. That's more than 14,000 gallons a year that are not wasted, saving homeowners hundreds of dollars in annual energy and sewage costs. With growing concerns about adequate water supplies, D'MAND is good for the environment, while also providing comfort and convenience. In fact, using D'MAND in conjunction with Uponor's PEX tubing, engineered plastic (EP) offering and out-of-the-wall products offers the industry's first lead-free* plumbing system from inlet to faucet.



*Motion Sensor and
Activation Button*

D'MAND®

*Per NSF Annex G, lead-free products contain not more than 0.25% weighted average lead content on wetted surfaces.

The Upgrade That Saves Water and Money

Gallons Saved Per Day	Annual Water & Sewer Savings (\$0.005 Per Gallon)	Energy Savings: Electric Water Heater		Estimated Total Annual Savings: Electric Water Heater	Energy Savings: Gas Water Heater		Estimated Total Annual Savings: Gas Water Heater
		KWH Per Day	\$ Savings/Year (\$0.10 Per KWH)		Therms Per Day	\$ Savings/Year (\$1.00 Per Therm)	
10	\$18	3.02	\$110	\$128	0.14	\$51	\$69
20	\$36	5.16	\$188	\$224	0.24	\$86	\$122
40	\$73	9.44	\$344	\$417	0.42	\$154	\$227

Note: Total Savings are calculated by adding the Annual Water and Sewer Savings to either the Electric or Gas Water Heater Energy Savings. Actual savings will depend on the local costs of gas, electricity, water and sewage. Calculations are based on a scoping study prepared for the California Energy Commission and the Tennessee Valley Authority.

Perfect for Every Sized House

The D'MAND Model 100 is appropriate for most homes with hot-water runs of up to 100 feet. For larger installations, the D'MAND Model 200 will supply even the most remote parts of the system.



Lead-free D'MAND Model 100



Lead-free D'MAND Model 200

Install D'MAND in Your New Homes

Quickly and easily installed during new-home construction, D'MAND systems minimize hot water delivery time and maximize water and energy savings. D'MAND is the perfect complement to Uponor Logic for Plumbing featuring Uponor AquaPEX® tubing and EP multi-port tees.

Make sure the systems you install meet your customers' demands. Rely on Uponor to deliver for you. For information on Uponor products and systems, visit www.uponor-usa.com.

The Perfect Complement for Uponor Logic

Sample Installation



Hot Water in Three Simple Steps

Step 1

Pump activates with push button or motion sensor.

Step 2

Pump removes cold water from circulation loop. Once the system is primed with hot water, the pump stops automatically.

Step 3

Hot water arrives at the point of use within seconds.

D'MAND®

Simple and Fast Installation

The D'MAND system consists of a pump, an activation switch with low-voltage wiring and a return line. When used with an Uponor Logic design, D'MAND is the most efficient way to deliver hot water to where it's needed quickly.

An Uponor Logic layout uses a loop of $\frac{3}{4}$ " or 1" tubing that begins and ends at the water heater. This trunk line must run as closely as possible to every hot-water fixture in the structure. Half-inch branch lines extend 10 feet or less from the trunk to minimize water waste and waiting time, while saving energy. Insulating the tubing or using Pre-insulated AquaPEX will further enhance system performance.

Uponor AquaPEX® is a registered trademark of Uponor, Inc. D'MAND® is a registered trademark of Advanced Conservation Technology, Inc.

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