



THE
INNOVATION
LEADER
IN HOT
WATER
RECIRCULATION



US DESIGN ≈ US BUILT ≈ PATENTED



Hot Water Recirculation Systems For Retrofit & New Construction



*How long do you wait
for hot water?*

The Problem

How long do you wait for hot water when you turn on the faucet? 30 seconds, 1 minute, 2 or 3 minutes, longer? While you wait, a home with 5 taps can waste up to 15,000 gallons of tempered water down the drain. You pay for this potable water, wasted energy and sewage fees.

The Solution

Install a proven, awarded AquaMotion recirculation system. One system is available for every type of installation.

The Benefits

- Hot Water Comfort at Every Faucet
- Save Time, No More Waiting For Hot Water
- Save Hot Water, 12,000 – 15,000 Gallons a Year
- Save Energy with Timer, Save on Utility and Sewer Bills
- Save More with ON DEMAND Systems
- Go Green, Help Conserve this Precious Water Resource
- Meet local Plumbing Codes

The Cost

To run the circulator with timer at \$0.12 per kw is approx. \$3.00, \$8.00 for the large pump annually. Our hot water recirculation kits have an approx. one to three year payback depending on the size of the installation.

What our customers are saying...

Robert *Easy install. Works very well, and totally quiet....*

Gilde *Works great. Delivered on time. Easy to install. Hot water at my fingertips instantly!*

Dan C *Easy install. Kitchen sink was two minutes to feel any temp change, now in 6 seconds I get hot water. Great product, have made co-worker recommendations already.*

Jim G *I've had the recirculation system installed for a while and I have to tell you I am impressed with the performance. Ten second and I get hot water vs. 1.45 minutes prior. Quality is excellent, parts and pieces were high quality and instructions thorough.*

*US Patents 9,863,647 B1, US D834, 145 S, 8,083,500, 18,303,184 B1, 9,328,736.
Canadian Patents 2,883,495 & 2,935,949*



HOT WATER TANK SYSTEMS

*Standard plumbing, single pipe system
Up to 250 ft. total pipe length*

AMH3K-7

Complete kit installs under sink. No cutting of pipe.

- No cutting of pipe
- Requires electrical outlet at sink.
- Kit includes: stainless union pump with legs, 10 ft. line cord, built-in timer with 15 min. tabs, Aquastat/switch, fittings, check valves, hoses, tees
- Meets Title 24 California



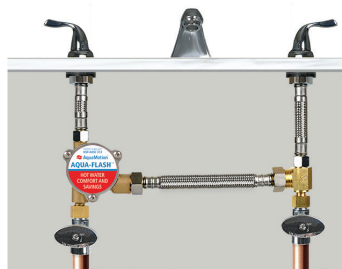
AMH1K-3UV

Select this if No electrical outlet under sink.

- Patented
- By-pass valve kit installs under sink in 10 minutes
- Does NOT require electrical outlet at sink
- Pump with built-in timer installs on top of water heater
- Kit includes: stainless union pump, built-in timer, 10 ft. line cord, fittings, brass/stainless Aqua-Flash Valve, hose, tee

AMK-FK - Under sink bypass valve kits for additional locations, up to 5 per pump.
No Power required under Sink, Valve installs **on hot angle stop**.

AMK-UK - Replaces Grundfos plastic Comfort Valve 59526, Watts 367010, Taco Hotlink HLV-1 plastic valve and others on Hot water tank installations only. Valve installs **on the cold angle stop**. Patented and Pending.



Flash Valve Installed



FOR HOMES WITH DEDICATED RETURN LINE

AMH2K-7

For systems with standard hot water heater.

- Installs into Return line at the hot water heater.
- Fully automatic stainless union pump with Aquastat/switch and built-in timer, long tail pieces for mounting
- Meets Title 24 California





TANKLESS WATER HEATER SYSTEMS

Standard plumbing single pipe system up to 250 ft. total pipe length

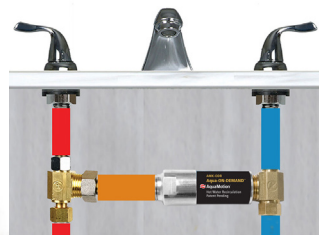
AMH1K-6ODRZT1

Pump with bypass flow control keeps heater ready to fire when temperature setting is reached. Patent pending.

- Stainless union circulator with built-in timer, check, flow control, bypass, line cord, union fittings, Tee.
- Bypass Valve Kit: ODR stainless valve, hose, tee installs under sink in 10 minutes
- Does NOT require electrical outlet at sink.

AMK-ODR bypass valve kit for additional locations

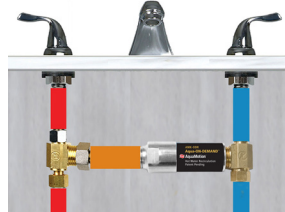
- Under sink bypass valve kit, up to 5 per pump.
- No Power Required Under Sink
- Kit includes Stainless Bypass Valve with Tee, Cold angle Tee, Stainless Hose



AMH1K-RODRN

Aqua-ON DEMAND™ up to 600 ft. of total pipe length. Includes AMK-WB ON-DEMAND™ Kit

- Stainless Three Speed Circulator flanged with check, 10 ft. line cord, and 3/4" Stainless FNPT Flanges
- Stainless Bypass AMK-ODR Valve Kit with hose and Tee installs under sink in 10 minutes on cold angle stop.
- Does Not require electrical outlet at sink.
- ON DEMAND AMK-WB Push Button*with Receiver included
- Meets Title 24 California



AMH3K-R

Under sink for Tankless and large tank systems up to 600 ft. of total pipe length

- Requires electrical outlet at sink.
- Stainless three speed circulator, built-in timer, line cord, check valves, Aquastat/switch, MNPT Companion flanges, 2 hoses, 2 Tees
- Fully automatic controlled by Aquastat and Timer, stainless pump.
- Meets Title 24 California



FOR HOMES WITH DEDICATED RETURN LINE

AMH2K-R

Pump installs into return line at heater

- For Systems with Tankless Heater or large tanks.
- Stainless 3 Speed Circulator, Aquastat, Timer, 3/4 FNPT Flanges, 10 Ft. line cord.
- Installs into return line near heater.
- Meets Title 24 California



*Other ON DEMAND controls page 6

AQUA-SHIELD™

The Only Outdoor Recirculation Circulator

For Outdoor Tankless Installation with **Dedicated Return Line**

UL & NSF/ ANSI 372 Listed and Approved, Patented & Patent pending

Aqua-Shield™ was designed for the Southern Tier of the US market where Tankless heaters are installed outside to save on expensive air intake and exhaust systems. Use with Tankless Heaters without built-in pump.

Features

- Outdoor enclosure with clear cover for timer visibility
- Anti-tampering locking device
- Rain, sprinkler and insect resistant
- On/Off operating range 115-125°F, 46.1-51.7°C
- Timer has 3 positions; On, Off, On Timer; with 48 tabs.
- UL Approved for outdoor installation
- Freeze protected
- Saves 12,000 – 15,000 Gallons of potable water annually

AMH2K-RX

Stainless Outdoor 4 bolt flanged circulator.

- Performance 21 ft. head x 16 GPM.
- Check, Aquastat/switch, built-in timer, 10 ft. line cord.
- For up to 600 ft. of total pipe length.
- FK75S stainless ¾" flange set included.



AMH2K-RX, AMH1K-RODRXT1

AMH2K-7K

Stainless Outdoor union circulator.

- Performance 11 ft. head x 14 GPM.
- Check, Aquastat/switch, built-in timer, 10 ft. line cord.
- For up to 250 ft. of total pipe length
- Includes Union Kit UK75T ¾" threaded male brass fittings



AMH2K-7K, AMH1K-7ODRXT1, AMH1K-7ODRXZT1

3 Kits for use with Outdoor Installed Tankless Heaters in **Single Pipe Homes**

AMHK-RODRXT1 ON DEMAND

Stainless flanged circulator for SINGLE PIPE, Meets CA Title 24

- For up to 600 ft. of total pipe length.
- Includes AMK-ODR under-sink valve kit
- Includes AMK-WB ON DEMAND wireless push button and receiver.
- Includes FK75S Stainless ¾" Flanges.

AMH1K-7ODRXT1 ON DEMAND,

Stainless union circulator for SINGLE PIPE, Tankless requires .5 GPM or less flow. Meets CA Title 24

- For up to 100 ft. of total pipe length.
- Includes AMK-ODR under-sink valve kit
- Includes AMK-WB ON Demand wireless push button and receiver.
- Includes Union Kit UK75T ¾" threaded male bronze fittings.

AMH1K-7ODRXZT1, Stainless union

circulator for SINGLE PIPE, Tankless requires .5 GPM or less flow.

- For up to 100 ft. of total pipe length
- Built-in timer and bypass at the pump,
- ¾" Cold line Tee & check
- Includes AMK-ODR under-sink valve kit
- Includes Union Kit UK75T ¾" threaded male bronze fittings.

AQUA ON-DEMAND

AquaMotion recirculation systems are fully automatic with sensors, switches and timers with programmed ON times. ON Demand systems don't have timers. ON Demand gives the homeowner the ability to control system activation through a wireless receiver. When activated, the circulator runs 5 minutes or when the water temperature reaches 105°F (40.55°C). All systems except AMH1K-3UV and AMH1K-6ODRZT1 are available with ON Demand version by adding "N" to the suffix of all part numbers and selecting the desired activation type. (example: AMH3K-7 becomes AMH3K-7N).

The following pump kits can be made ON-DEMAND with options below.

AMH3K-7 Under-sink

AMH3K-7N Under-sink

AMH3K-R Under-sink

AMH3K-RN Under-sink

AMH2K-7

AMH2K-7N

AMH2K-R

AMH2K-RN



AMK-WB
Wireless Button and Receiver



AMK-MS
Motion Sensor and Receiver



AMK-WS
Wall Switch and Receiver



AMK-CB
Counter Button and Relay



AMK-SM Smart Plug
WIFI Plug and App



Additional Switches and Plugs
Add Up to 5 buttons, motion sensors, wall switches per receiver. Unlimited Smart Plugs can be added to your home.

Receiver range 100 Ft. Range 500 Ft. unobstructed.