Stainless circulators with patented serviceable Green Eco Replacement Cartridge™

APPLICATION:
AquaMotionHot systems deliver instant hot water while saving time, money, energy and water. AquaMotionHot One is an under sink system. AquaMotionHot Two is a dedicated return line system. Both provide instant hot water with low energy consumption. AquaMotionHot On-Call systems are user activated for additional energy savings and to meet certain code requirements.

FEATURES:
The revolutionary “Green Eco Cartridge™ Design” is the heart of the circulator and contains all moving parts. It has the only field replaceable and field serviceable cartridge on the market. When competitors’ circulators fail, the entire cartridge, motor assembly or pump must be replaced, increasing the footprint on the environment and doubling the cost to the consumer. With our pump simply remove the rotor assembly, flush the cartridge with water and reinstall it. Simple, cost effective, patented. Patent No. 8,083,500 and No. US 8,303,184 B1.

SPECIFICATIONS
- Maximum water temperature
  AquaMotionHot One 176°F (80°C)
  AquaMotionHot Two and On-Call 230°F (110°C)
- Maximum working pressure 125 psi
- Maximum ambient temperature 104°F
- Minimum inlet pressure 20 psi
- Electrical Ratings 120V, 60Hz
- Equipped with 10 ft. Grounded Line Cord
- AMH2K-7 includes aquastat with an 8Ft cord, temperature range of 85°F-105°F
- AMH2K-R has a built-in aquastat, temperature range of 85°F-105°F

MATERIALS OF CONSTRUCTION

Components
STAINLESS STEEL: Pump Housing, wear ring, bearing support, cartridge sleeve, rotor sleeve, rotor cover
CARBON STEEL: Motor housing
ALUMINUM OXIDE CERAMIC: Shaft
CARBON IMPREGNATED: Radial bearings
EP (Ethylene Propylene Rubber): O-ring and gaskets
COMPOSITE: Impeller

AquaMotion Hot Circulator Technical Data

### AquaMotionHot One Under Sink System

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>Ampere</th>
<th>Connection</th>
<th>Housing Material</th>
<th>Accepts Check Valve</th>
<th>Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM7-SU1LAM</td>
<td>0.60</td>
<td>Union</td>
<td>Stainless</td>
<td>20mm</td>
<td>1</td>
</tr>
<tr>
<td>AMR-S3FVAL</td>
<td>Hi: 0.79 Med: 0.62 Low: 0.46</td>
<td>Flange, 4 Bolt</td>
<td>Stainless</td>
<td>25mm</td>
<td>3</td>
</tr>
</tbody>
</table>

### AquaMotionHot Two Dedicated Return Line System

| AM7-SUV1L    | 0.60   | Union      | Stainless        | 20mm                | 1     |
| AMR-S3FVAL   | Hi: 0.79 Med: 0.62 Low: 0.46 | Flange, 4 Bolt | Stainless | 25mm | 3 |
Recirculation Circulators Performance

AquaMotion Hot - Performance

AMR Curve

AquaMotion - Performance

AMR Curves

Mounting Positions

For Indoor Use Only

AquaMotionHot™ Part Number and Descriptions

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMR3K-7</td>
<td>AM7-SU1LAM Circulator with Union, Line Cord, Built-In Aquastat, BICV, &amp; with Fittings and Hoses For systems with hot water tanks. Automatic or On-Call. Medium Pipe length</td>
</tr>
<tr>
<td>AMR3K-R</td>
<td>AMR-S3FVAL Circulator with Union, Line Cord, Built-In Aquastat, BICV &amp; Fittings and Hoses For systems with hot water tanks or tankless water heaters. Automatic or On-Call. Long pipe length</td>
</tr>
</tbody>
</table>

AquaMotionHot Two - for DEDICATED RETURN LINE installation

| AMH2K-R    | AMR-S3FVAL Circulator, ¾" Male Threaded Flange, Built-in Aquastat for Systems with tankless water heaters. Automatic or On-Call. |

AquaMotionHot On-Call™ Kits- for user controlled hot water

AMK-CB    | On Call Air Actuated Chrome Counter Control Kit with Relay and Auto Shut Off, Counter Top Mount or Through Cabinet |
| AMK-WB    | On Call Remote RF Wireless Control with Adjustable Auto Shut Off and Plug-In Receptacle-No Wiring Required |
| AMK-MS    | On Call Wireless Control Kit with Motion Sensor, Wireless Motion Detector with adjustable wall mounting bracket, Adjustable Auto Shut Off and Plug in Receptacle - No Wiring Required (IbVolt battery required) |

Additional On-Call Components

AMK-T      | Digital Timer, Plug-in to standard wall outlet; for all systems |
AMK-CBW    | White Replacement Button for AMK-CB Kit |
AMK-WBR    | Additional Wireless Button with Wall Mounting Bracket for AMK-WB Kit |
AMK-MSR    | Additional Motion Wireless Motion Detector for AMK-MS Kit |

AMR -S3FVAL

AM7-SUV1L

AM7-SU1LAM