High Efficiency Gas Fired, Stainless Steel, Condensing Water Boiler

VALUE-PRICED WITH PREMIUM FEATURES

• NEW! Up to 95% AFUE
• Reliable, proven stainless steel heat exchanger
• Factory pre-set Sage2.2™ Control System, providing out-of-the-box high performance control capabilities
• Touch screen diagnostic display with plain-language guidance
• Exclusive features for installer convenience and homeowner dependability
• High altitude – zero or minimal de-ratings, reduces the costs of oversizing, field adjustable
• FREE 5-year parts & limited labor warranty included

REGISTRATION REQUIRED WITHIN 90 DAYS OF INSTALLATION

EXTRA BUILT-IN FEATURES

• High capacity pre-installed boiler loop circulator
• Split-voltage junction box
• Universal exhaust termination for polypropylene and PVC
• Outdoor reset and sensor
Contractors told us exactly what they wanted. A value-priced, high efficiency condensing boiler that is simple enough to install quickly AND offers valuable extras not found on competitive models. U.S. Boiler Company has delivered. The K2 offers a comprehensive feature list, unequalled ease of setup, maintenance, and operation in a package that costs far less than you’d expect for the impressive value that’s built in. And best of all, it’s built and tested with pride in Lancaster, Pennsylvania by U.S. Boiler Company.

SAVES TIME!

• Intelligent Sage 2.2 Boiler Control System
  – Factory pre-sets offer “out-of-the-box” performance
  – High resolution touchscreen display with step-by-step setup guidance and diagnostics

• Designed for ease of installation & service
  – Hinged control door isolates electronics—Fast and easy access to combustion chamber
  – “Cold burner door” speeds service start
  – Integral, easy access junction box included with separate high voltage and fused, low voltage communication boards
  – Easy clean-out condensate trap
  – Side access panel

• Universal vent termination (polypropylene and PVC)

SAVES MONEY!

• Pre-installed premium boiler loop circulator eliminates pump selection and expense
HOMEOWNER VALUE!

• Stainless steel heat exchanger offers long-term reliability
  – Field-proven performance
  – No welds, reducing potential corrosion points

• High efficiency, high performance, high comfort
  – Up to 95% AFUE
  – 5:1 turndown lowers fuel use
  – Very quiet operation - negative pressure design
  – “Cold burner door” design recovers heat for added energy savings

• Attractive, reinforced 16 and 22-gauge steel construction

• Advanced system testing carefully verifies the performance every K2 boiler before it leaves our factory
  – Worry-free installation, verified operation

• FREE 5-year parts & labor extended warranty included. REGISTRATION REQUIRED WITHIN 90 DAYS OF INSTALLATION

Pre-installed high capacity pump optimizes water flow to ensure proper boiler operation. Side panel access.

High resolution touchscreen display offers step-by-step assistance in setup and troubleshooting using text and intuitive menus, not codes.

FastPipe™, optional ready-made primary/secondary piping solution saves installation time and cost.

K2 Instant Combi Kit, a fast and easy option, adds domestic hot water capability. Includes mixing valve and FastPipe.
K2: Technical Information

### Standard Equipment
- Direct vent, sealed combustion appliance
- Natural or LP gas
- Easy access control panel
- Separated high and low voltage junction box
- Sage2.2 Control System
  - LCD touch screen display
  - Self-guided control menus
  - 100+ help screens
  - Built-in self diagnostics
  - (2) additional circulator outputs available
  - Built-in sequencer, stages up to (8) boilers
  - Outdoor reset including outside sensor
  - DHW priority
  - Warm weather shutdown
- Variable speed combustion blower
- Pre-installed boiler loop circulator
- Gas valve
- Stainless steel heat exchanger
- Polypropylene condensate trap
- Flow switch
- Supply, return, and auto reset high limit water sensors
- Universal exhaust vent termination
- Flue gas temperature sensor and differential pressure switch
- Water and gas connections on bottom of boiler
- Pre-installed hanging bracket and wall mount kit
- Field adjustable for high altitude

### K2 Ratings & Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>AFUE%</th>
<th>Input (MBH)</th>
<th>DOE Heating Capacity (MBH)</th>
<th>Net AHRI (MBH)</th>
<th>DHW Rate* (GPM)</th>
<th>Vent Size (Inches)</th>
<th>Approx. Shipping Weight (lbs.)</th>
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<tbody>
<tr>
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<td>16-80</td>
<td>74</td>
<td>64</td>
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<td>20-100</td>
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<td>167</td>
<td>145</td>
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</tbody>
</table>

*For optional combi-equipped models only, GPM @70° TR

### Optional Equipment:

- LWCO kit (P/N: 105591-01)
- DHW combi module P/N: 150, 180 MBH – (106341-01)
- FastPipe primary/secondary adapter PN: 80-120 MBH – (106259-01)
- Sage Zone Control (P/N: 105490-01)
- Wireless outdoor reset adapter (PN: 105121-01)
- Service parts repair kit (P/N: 106260-01)

For more information on the K2 Boiler System please visit www.k2boiler.com

### Typical Venting Configurations

#### (Horizontal and Vertical)
- Horizontal 2-pipe
- Vertical 2-pipe
- Horizontal 2-pipe low profile
- Vertical 2-pipe concentric
- Hybrid
- Vertical exhaust/sealed 8-vent for combustion air

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### K2 Dimensions (Inches)

<table>
<thead>
<tr>
<th>Model</th>
<th>A*</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
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<td>2-31/32</td>
<td>7-13/32</td>
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<tr>
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<td>8-25/32</td>
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<tr>
<td>K2-180</td>
<td>20-3/16</td>
<td>4-7/16</td>
<td>8-25/32</td>
</tr>
</tbody>
</table>

*Open control door extends dimension additional 15"