



## MGB Series II / MGC Series

**There Are Some Things You Can Always Depend On...**



### MGB II / MGC

Up to 83.9% AFUE Gas Fired Hot Water Boiler

- Available in 9 sizes from 50 MBH to 299 MBH.
- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples. The Sections and Push Nipples expand at the same rate when heated. By using similar materials instead of less expensive gaskets the boiler maintains a water tight seal over time.
- Honeywell High Limit/Electronic Ignition Control.
  - With durable protective cover and viewing window.
  - Digital temperature display and diagnostics.
  - Plug in connection for the vent damper.
  - Plug in connection for the system pump.

Control monitors water temperature and delays the burner starting until and residual heat has been transferred. This maximizes efficiency by turning on the burner only when needed.

- Atmospheric Chimney Vent Boiler with Integral Draft Hood and Automatic Vent Damper. The Integral Draft Hood reduces the overall height and footprint of the boiler making it ideal for low clearance/space limited installations.
- Textured paint Jacket.
- Limited Lifetime Warranty (Residential Applications)
- Made in the USA



MGB Model Shown

# Utica MGB Series II & MGC Series Gas Fired Hot Water Boiler

| Dimensional Diagram   | Model  | Input Rate (MBH) <sup>(1)</sup>                               | Heating Capacity (MBH) <sup>(1)</sup> | Net AHRI Rating, Water (MBH) <sup>(2)</sup> | Air Cushion Tank <sup>(3)</sup> | No. of Burners | AFUE %   |          |               |
|---|--|---|---------------------------------------|---|---------------------------------|----------------|----------|----------|---------------|
| <p><b>MGB Front</b></p>   | MGB-50J  | 50  | 42                                    | 37  | 15                              | 1              | 83.5%    |          |               |
|   | MGB-75J  | 75  | 63                                    | 55  | 15                              | 2              | 83.1%    |          |               |
|   | MGB-100J   | 100   | 83                                    | 72  | 30                              | 2              | 83.0%    |          |               |
|   | MGB-125J   | 125   | 104                                   | 90  | 30                              | 3              | 82.0%    |          |               |
|   | MGB-150J   | 150   | 124                                   | 108   | 30                              | 3              | 83.0%    |          |               |
|   | MGB-170J   | 170   | 139                                   | 121   | 30                              | 4              | 82.0%    |          |               |
|   | MGB-200J   | 200   | 165                                   | 143   | 30                              | 4              | 82.0%    |          |               |
|   | MGC-8D/DP*   | 262/245   | 220/206                               | 191/179                                     | 60                              | 7              | 83.9%    |          |               |
|   | MGC-9D/DP*   | 299/280   | 251/235                               | 218/204                                     | 60                              | 8              | 83.7%    |          |               |
|   | <p>*D=Natural Gas, DP=LP Gas<br/>                     The MGC has distinct input rates for Natural and LP gas versions. 8D/9D rates shown are for Natural gas. 8DP/9DP rates are for LP gas.<br/>                     (1) Input rating for sea level to 2,000 ft. (610m) above sea level. United States, over 2000 ft (610m) above sea level. Reduce input rate 4% for every 1000 ft (304m) above sea level.<br/>                     (2) Net AHRI Water Ratings shown based on piping and pickup allowance of 1.15. Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.<br/>                     For forced hot water systems where boiler and all piping within area to be heated, boiler may be selected on basis of its heating capacity.<br/>                     (3) Recommended tank sizes for non-ferrous baseboard or radiant panel systems. Increase size for cast iron baseboard and radiation.</p> |   |                                       |   |                                 |                |          |          |               |
| <p><b>General Information</b> (See Installation, Operation and Maintenance Manual for complete instructions)</p>  |  |   |                                       |   |                                 |                |          |          |               |
| <p><b>MGB Side</b></p>  | <p><b>Clearances</b><br/>                     (4) Required distances measured from boiler.<br/>                     *Definition of Alcove is three sided space with no wall in front of boiler. ANSI standard for alcove is 18 inches from appliance to leading edge of side walls as shown in IOM.</p>  | <p><b>Combustible Materials (Required) <sup>(4)</sup></b></p> |                                       | <p>MGB</p>                                  |                                 | <p>MGC</p>     |          |          |               |
|   |  | Top   | 18" (457 mm)                          |   | 6" (152 mm)                     |                |          |          |               |
|   |  | Left Side   | 3" (76mm)                             |   | 6" (152 mm)                     |                |          |          |               |
|   |  | Right Side (Control Side)                                     | 9" (229 mm)                           |   | 7" (178 mm)                     |                |          |          |               |
|   |  | Front   | Alcove*                               |   | 18" (457 mm)                    |                |          |          |               |
|   |  | Back  | 4" (102 mm)                           |   | 6" (152 mm)                     |                |          |          |               |
|   |  | Flue Connector  | 6" (152 mm)                           |   | 6" (152 mm)                     |                |          |          |               |
| <p><b>Connections (All Models)</b> Return/Supply Water 1-1/4", Gas In 1/2" NPT</p>  |  |   |                                       |   |                                 |                |          |          |               |
| <p><b>Electrical</b> 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)</p>  |  |   |                                       |   |                                 |                |          |          |               |
| <p><b>Water Content</b> 50 - 2.4 Gallons, 75/100 - 4.0 Gallons, 125/150 - 5.6 Gallons, 170/200 - 7.2 Gallons, 262.5 - 12.7 Gallons, 299 - 14.4 Gallons</p>  |  |   |                                       |   |                                 |                |          |          |               |
| <p><b>MGC Front</b></p>   | <p><b>Dimensions/Weights</b></p>   | <p><b>Model</b></p>   | <b>A</b>                              | <b>B</b>                                    | <b>C</b>                        | <b>D</b>       | <b>E</b> | <b>F</b> | <b>Weight</b> |
|   |  | MGB-50J   | 11-1/8"                               | 5-1/2"                                      | 4"                              | 30-3/4"        | 36-1/4"  | 5-3/4"   | 205 lbs.      |
|   |  | MGB-75J   | 15"                                   | 7-1/2"                                      | 5"                              | 30-3/4"        | 37-3/4"  | 5-3/4"   | 253 lbs.      |
|   |  | MGB-100J  | 15"                                   | 7-1/2"                                      | 6"                              | 30-3/4"        | 37-1/4"  | 6"       | 253 lbs.      |
|   |  | MGB-125J  | 18-7/8"                               | 9-1/2"                                      | 6"                              | 30-3/4"        | 37-1/4"  | 6"       | 315 lbs.      |
|   |  | MGB-150J  | 18-7/8"                               | 9-1/2"                                      | 7"                              | 30-3/4"        | 37-3/4"  | 6-3/4"   | 315 lbs.      |
|   |  | MGB-170J  | 22-3/4"                               | 11-1/2"                                     | 7"                              | 30-3/4"        | 38-3/4"  | 6-3/4"   | 377 lbs.      |
|   |  | MGB-200J  | 22-3/4"                               | 11-1/2"                                     | 8"                              | 30-3/4"        | 38-3/4"  | 7-3/4"   | 377 lbs.      |
|   |  | MGC-8D/DP   | 27-1/2"                               | 13-3/4"                                     | 7"                              | 36-3/8"        | 43-1/8"  | 6-3/4"   | 552 lbs.      |
|   |  | MGC-9D/DP   | 30-3/4"                               | 15-3/8"                                     | 7"                              | 36-3/8"        | 43-1/8"  | 6-3/4"   | 616 lbs.      |
| <p><b>Standard Equipment</b> Boiler Control Module: Honeywell Control (High Limit/Electronic Ignition Control) with plastic cover and display window.<br/>                     User Display Interface: Digital Temperature Display<br/>                     Heat Exchanger: Cast Iron Sections with Cast Iron Push Nipples.<br/>                     Combustion: Stainless Steel Main Gas Burners (MGB)/Titanium Composite Burners (MGC), Combination 24 Volt Gas Control (Includes: Automatic Gas Valve, Gas Pressure Regulator, Automatic Pilot, Safety Shutoff, Pilot Flow Adjustment, Pilot Filter), Intermittent Pilot Control, Continuous Retry, Combination Pilot Burner/Electrode/Flame Sensor.<br/>                     Safety: Spill Switch and Roll-Out Switch for safety (MGB)/Flame Roll-Out Safety Shut-Off (Fuse Link) (MGC), Automatic Vent Damper.<br/>                     Other: Insulated Boiler Jacket, Integral Draft Diverter, Combination Temperature/Pressure Gauge, Circulator Pump, 3/4" Drain Valve, 30lb. ASME Relief Valve.</p> |  |   |                                       |   |                                 |                |          |          |               |
| <p><b>Options</b> Available in both natural gas or propane models. Central Heating Pump (Taco, Grundfos, B&amp;G or Less Pump), LP Conversion Kit, Combustible Floor Plate, Fill-Trol.</p>  |  |   |                                       |   |                                 |                |          |          |               |
| <p><b>Certifications</b></p>  |  |   |                                       |   |                                 |                |          |          |               |
| <p> </p> <p>C.S.A. Certified For Natural Gas Or Propane      Tested for 100 psi (MGB) / 50 psi (MGC) ASME Working Pressure</p>  |  |   |                                       |   |                                 |                |          |          |               |

All ratings and specifications subject to change.

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