

BAXI

Warmth, efficiency,
and total peace of mind.



Combi & Heating Boilers



think
intelligence within

Self-Monitoring
Self-Adjusting
Self-Commissioning

High Efficiency, Wall Mounted, Modulating
Condensing Boilers with "THINK Intelligence Within."





Why Choose Baxi?

In North America, Baxi's combination heating and domestic hot water boilers were first-to-market, reliably heating homes for almost 2 decades.

98% of customers recommend Baxi

Over 8 million boilers produced

Best in class **ENERGY STAR®** ratings at **95% AFUE** provide lower utility bills and reduced carbon emissions.

Why Choose a Combi Boiler?

Combi boilers provide central heating and give you an endless supply of hot water. This means they're **economical to run**, as hot water is only produced when you need it. What's more, there's no need for a separate water heater. **Combi boilers are compact and wall-mounted, saving you valuable space.**

150 Plus Years of **BAXI**

1866

Founder Richard Baxendale opened the doors to his new company.



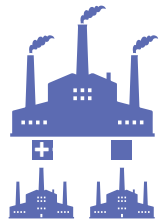
1966

The Bermuda, Baxi's most famous gas-fired boiler was launched. Celebrated 100th anniversary.



1984

A series of acquisitions took place leading to the ownership of the Bassano del Grappa plant in Italy.



2000

Baxi introduced the first high efficiency combi boiler to North America.



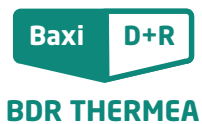
2006

The award-winning Baxi Duo-tec Combi high efficiency boiler was launched.



2010

Baxi merged with De Dietrich and Remeha to form BDR Thermea Group.



2018

BDR Thermea Group opens Baxi operations in North America.



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Innovative Technology

Baxi's pioneering THINK combustion management system provides the installer with the easiest boiler to commission and operate.

The THINK combustion management system continuously monitors the gas and air mix and adapts its output to suit your heat and hot water requirements most efficiently. The result is lower gas consumption, reduced wear and tear on components and ultimately increased reliability of the boiler.

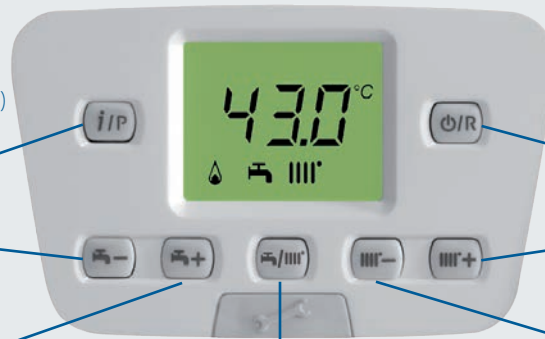
USER FRIENDLY CONTROLS WITH CLEAR, EASY TO READ DISPLAY

View Boiler Operating Information:

Heating System Water Pressure
Heating Flow / Return Temperature
Outdoor Temperature (With External Probe Installed)
Domestic Hot Water Temperature

Domestic Hot Water Temperature Adjustment
[Decrease]

Domestic Hot Water Temperature Adjustment
[Increase]



Switch Off, Reset, Exit Menus / Functions

Heating Water Temperature Adjustment
[Increase]

Heating Water Temperature Adjustment
[Decrease]

Operation Mode. DHW, DHW & Heating, Heating Only

Gas Adaptive (GA) Models

Duo-tec Compact 30 GA

Luna Duo-tec 40 GA

Luna Duo-tec 60 GA

Luna Duo-tec 1.33 GA

Luna Duo-tec 1.48 GA

Gas Adaptive Technology

Our THINK control with gas adaptive technology self-regulates constantly to maintain maximum efficiency values, reducing gas consumption and generating less pollution thanks to the continuous control of emissions.

Benefits of Gas Adaptive:

- Automatically adjusts – combustion analyzers are not necessary but recommended, no gas valve adjustments are required.
- Boiler adapts itself to the quality of the gas and the length of the flue gas exhaust pipes, keeping efficiency constant.
- Boiler automatically recognizes the fuel being supplied and the THINK control takes care of the rest. No LP conversion kits/orifice changes are needed.



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30_{GA} Duo-tec Compact

A compact, high efficiency gas-fired solution for central heating and domestic hot water needs. The 30 GA features THINK combustion management system with gas adaptive control technology.

Features:

- 93 MBH Input in CH Mode / 115.5 MBH in DHW Mode
- Domestic hot water flow rates 2.5 GPM @ 70° temperature rise
- 95% AFUE
- THINK combustion management system
- GAC (gas adaptive control)
- 7:1 Turndown modulation ratio in DHW mode
- 5.5:1 Turndown modulation ratio in central heating mode
- Enhanced stainless steel secondary heat exchanger delivers domestic hot water with 3-way diverter valve priority
- Load matching pump
- Stainless steel ANSI 316L pre-mixed burner and heat exchanger
- Approved for closet installation, saving valuable living space
- Equipped with the pre-heating function of the exchanger which guarantees the immediate production of domestic hot water at the set comfort temperature
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Product Dimensions: 15.75"(w) x 11.75"(d) x 27.5"(h)
- Weight: 79 lbs

Standard Equipment:

- High limit sensors
- Low water cut-off
- Shut off valves
- Pressure relief valve
- System pressure gauge
- Expansion tank and Auto bypass
- Electronic Ignition
- Freeze Protection Safety Device

Optional Equipment:

- Outdoor Sensor

LIMITED Warranty:

- 5-Year parts warranty for added peace of mind
- 15-Year Limited Heat Exchanger

[Refer to back page for specifications]

COMBI Boiler



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Standard Equipment:

- High limit sensors
- Low water cut-off
- Shut off valves
- Pressure relief valve
- System pressure gauge
- Expansion tank and Auto bypass
- Electronic Ignition
- Freeze Protection Safety Device

Optional Equipment:

- Outdoor Sensor

LIMITED Warranty:

- 5-Year parts warranty for added peace of mind
- 15-Year Limited Heat Exchanger

40GA Luna Duo-tec

Our most popular high efficiency modulating condensing combi wall-mounted boiler with multiple built-in safety and performance enhancing components. The 40 GA features THINK combustion management system with gas adaptive control technology.

Features:

- 125 MBH Input in CH Mode / 152.8 MBH in DHW Mode
- Domestic hot water flow rates 3.9 GPM @ 70°F temperature rise
- 95% AFUE
- THINK combustion management system
- GAC (gas adaptive control)
- 7:1 Turndown modulation ratio in DHW mode
- 5.5:1 Turndown modulation ratio in central heating mode
- Enhanced stainless steel secondary heat exchanger delivers domestic hot water with 3-way diverter valve priority
- Load matching pump
- Iron-Chromium Stainless Steel burner and heat exchanger
- Approved for closet installation, saving valuable living space
- Equipped with the pre-heating function of the exchanger which guarantees the immediate production of domestic hot water at the set comfort temperature
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Dimensions: 17.72"(w) x 13.59"(d) x 30"(h)
- Weight: 102 lbs

[Refer to back page for specifications]

Luna Duo-tec 60GA

Our newest high efficiency modulating condensing combi wall-mounted boiler with multiple built-in safety and performance enhancing components. The 60 GA features THINK combustion management system with gas adaptive control technology.

Features:

- 164 MBH Input in CH Mode / 205 MBH in DHW Mode
- Domestic hot water flow rates 5 GPM @ 70°F temperature rise
- 95% AFUE
- THINK combustion management system
- GAC (gas adaptive control)
- 7:1 Turndown modulation ratio in DHW mode
- 5.5:1 Turndown modulation ratio in central heating mode
- Load matching pump
- Iron-Chromium Stainless Steel Burner and Brazed Plate Heat Exchanger
- Equipped with the pre-heating function of the exchanger which guarantees the immediate production of domestic hot water at the set comfort temperature
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Dimensions: 17.75"(w) x 21.5"(d) x 30"(h)
- Weight: 125 lbs



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Standard Equipment:

- High limit sensors
- Low water cut-off
- Shut off valves
- Pressure relief valve
- System pressure gauge
- Expansion tank and Auto bypass
- Electronic Ignition
- Freeze Protection Safety Device

Optional Equipment:

- Outdoor Sensor

LIMITED Warranty:

- 5-Year parts warranty for added peace of mind
- 15-Year Limited Heat Exchanger

[Refer to back page for specifications]

HEATING Boiler



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Standard Equipment:

- High limit sensors
- Low water cut-off
- Shut off valves
- Pressure relief valve
- System pressure gauge
- Expansion tank and Auto bypass
- Electronic Ignition
- Freeze Protection Safety Device

Optional Equipment:

- Outdoor Sensor

LIMITED Warranty:

- 5-Year parts warranty for added peace of mind
- 15-Year Limited Heat Exchanger

1.33 GA Luna Duo-tec

The 1.33 GA is a high efficiency modulating condensing central heating wall-mounted boiler featuring THINK combustion management system with gas adaptive control technology.

Features:

- 125 MBH Input
- 95% AFUE
- THINK combustion management system
- GAC (gas adaptive control)
- 5.5:1 Turndown modulation ratio in central heating mode
- Load matching pump
- Iron-Chromium Stainless Steel burner and heat exchanger
- Approved for closet installation, saving valuable living space
- Equipped with the pre-heating function of the exchanger which guarantees the immediate production of domestic hot water at the set comfort temperature
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Dimensions: 17.72"(w) x 13.59"(d) x 30"(h)
- Weight: 102 lbs

[Refer to back page for specifications]

Luna Duo-tec 1.48GA

The 1.48 GA features THINK combustion management system with gas adaptive control technology. This high efficiency modulating condensing central heating boiler is a great solution to your heating needs.

Features:

- 164 MBH Input
- 95% AFUE
- THINK combustion management system
- GAC (gas adaptive control)
- 5.5:1 Turndown modulation ratio in central heating mode
- Iron-Chromium Stainless Steel Burner and Brazed Plate Heat Exchanger
- Equipped with the pre-heating function of the exchanger which guarantees the immediate production of domestic hot water at the set comfort temperature
- Load matching pump
- Vent Material: coaxial or two-pipe polypropylene
- Gas Type: Natural Gas / Propane
- Dimensions: 17.75"(w) x 21.5"(d) x 30"(h)
- Weight: 125 lbs



Standard Equipment:

- High limit sensors
- Low water cut-off
- Shut off valves
- Pressure relief valve
- System pressure gauge
- Expansion tank and Auto bypass
- Electronic Ignition
- Freeze Protection Safety Device

Optional Equipment:

- Outdoor Sensor

LIMITED Warranty:

- 5-Year parts warranty for added peace of mind
- 15-Year Limited Heat Exchanger

[Refer to back page for specifications]



Baxi GL

Features:

- Easy to Install
- Low Pressure Drop
- Magnesium Anode Rod
Corrosion Protection
- Enameled Coated Steel Tank and Coil
- Minimal Standby Losses
- Flexible Scratch Resistant Jacket
- Aquastat Sensor Well
- Temperature Pressure Relief Valve
- 1 " Tappings to Accommodate Higher
Flow Rates
- Residential Limited Warranty:
Tank, 8-Years; Parts, 5-Years

GL (Glass Lined) Indirect Hot Water Heater

| Model | Sku # | Storage Volume (Gallons) | Coil Heating Surface (Square Feet) | Dimensions (Inches) | | Piping Connections N.P.T. | | Approx. Weight. (lbs.) |
|-----------|-----------|--------------------------|------------------------------------|---------------------|----------|---------------------------|---------------------|------------------------|
| | | | | Height | Diameter | Domestic Water In/Out | Boiler Water In/Out | |
| H2O 40 GL | H20IG40BX | 42 | 14 | 45 | 24 | 1 | 1 | 180 |
| H2O 50 GL | H20IG50BX | 53 | 14 | 51 | 24 | 1 | 1 | 200 |
| H2O 80 GL | H20IG80BX | 79 | 20.7 | 48 | 30 | 1 | 1 | 243 |

| Model | Sku # | Max. First Hour Rating Gal./Hr. @ 115° F | Continuous Rating Gal./Hr. @ 115° F | Boiler Output Needed (MBH) | Boiler Water Flow Through the Coil (Gal./Min.) | Pressure Drop Through the Coil (Ft. Water) |
|-----------|-----------|--|-------------------------------------|----------------------------|--|--|
| H2O 40 GL | H20IG40BX | 198 | 162 | 105 | 14.0 | 10.7 |
| | | 256 | 220 | 120 | | |
| H2O 50 GL | H20IG50BX | 212 | 169 | 110 | 14.0 | 10.7 |
| | | 310 | 268 | 140 | | |
| H2O 80 GL | H20IG80BX | 228 | 164 | 110 | 14.0 | 15.9 |
| | | 346 | 281 | 180 | | |

Note: All ratings are based on 170° F boiler water supply temperature. Domestic hot water 70° F rise, 45° F water inlet temperature. Specifications subject to change without notice.



The glass lined indirect hot water heater offers an affordable solution in areas where high chloride levels in the domestic water supply can corrode a stainless steel tank. The internal coil delivers unmatched performance with a large surface area resulting in high domestic hot water ratings.

Tank is coated with high density polyurethane to provide minimum heatloss for maximum energy saving. This special formula has excellent thermal properties and is environmentally friendly (CFC free), Zero ODP (Ozone Depletion Potential).



Conforms to UL STD 174
Certified to CAN/CSA STD C22.2 No. 110-94

Product SPECIFICATIONS

DOMESTIC HOT WATER MODE

| MODEL | INPUT MPH | | FLOW RATE (Based on 70°F Temperature Rise) | |
|-------|-----------|-------|--|-----|
| | MAX | MIN | GPM | |
| COMBI | 30 GA | 115.5 | 16.6 | 2.5 |
| | 40 GA | 152.8 | 22 | 3.9 |
| | 60 GA | 205 | 29.5 | 5.0 |

SPACE HEATING MODE

| MODEL | INPUT MPH | | AHRI CERTIFIED RATINGS | | | |
|--------------|-----------|------|----------------------------|----------------------|------------------------------------|-----|
| | MAX | MIN | HEATING CAPACITY MBH | EFFICIENCY AFUE % | NET WATER MBH ⁽¹⁾ | |
| COMBI | 30 GA | 93.5 | 16.6 | 85.4 | 95 | 70 |
| | 40 GA | 125 | 22 | 113 | 95 | 98 |
| | 60 GA | 164 | 29.5 | 153 | 95 | 133 |
| HEAT ONLY | 1.33 GA | 125 | 22 | 113 | 95 | 98 |
| | 1.48 GA | 164 | 29.5 | 153 | 95 | 133 |

(1) Net Water Rating shown based on piping and pickup allowance of 1.15. Consult manufacturer before selecting boilers for installation having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

VENT MATERIAL / SIZE

| MODEL | INCHES (mm) | | | |
|--------------|---|--|-------------------------------|-----------|
| | COAXIAL ⁽²⁾ Inner Diameter x Outer Diameter | 2-PIPE POLYPROPYLENE ⁽²⁾ | 2-PIPE CPVC ⁽²⁾ | |
| COMBI | 30 GA | 2" x 4" (60mm x 100mm) | 3" (80mm) | 3" (80mm) |
| | 40 GA | 2" x 4" (60mm x 100mm) | 3" (80mm) | 3" (80mm) |
| | 60 GA | 3" x 5" (80mm x 125mm) | 3" (80mm) | 3" (80mm) |
| HEAT ONLY | 1.33 GA | 2" x 4" (60mm x 100mm) | 3" (80mm) | 3" (80mm) |
| | 1.48 GA | 3" x 5" (80mm x 125mm) | 3" (80mm) | 3" (80mm) |

(2) Refer to IOM and vent pipe manufacturer's instructions for equivalent lengths and approved venting materials.



CERTIFICATIONS



Baxi is the only company in the heating and sanitary business to have achieved all 3 certifications:
Quality (ISO 9001,) Environment (ISO 14001,) Safety (OHSAS 18001)

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www.baxiboilers.com



All specifications subject to change without notice.

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