Warmth, efficiency, and total peace of mind.

Heating Boilers
High Efficiency, Wall Mounted, Modulating Condensing Light Commercial Boilers

Baxi has always set the standard for high efficiency boilers with unsurpassed quality.
Why Choose Baxi?

The Baxi series of light commercial condensing boilers feature stainless steel heat exchangers that achieve efficiencies of 95%. The core of the control system is a microprocessor, the Comfort Master©, which manages and protects the boiler. With this type of burner control you will get the exact output the system requires. Baxi’s light commercial series of boilers can be installed in a cascade configuration to match the heating needs of larger buildings. Redundancy and increased building load matching are added benefits when installing multiple boilers. In addition, these boilers produce low emissions with NOx levels below 20 ppm.

Baxi Quality

All Baxi boilers utilize corrosion resistant stainless steel components, such as the heat exchanger and the premix fuel gas burner. Our boilers are designed to provide optimum performance and fuel efficiency. Each boiler is factory test fired with preset burner and controls for quick startup.
1866
Founder Richard Baxendale opened the doors to his new company.

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

1966

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

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

1984

2000

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

2010

2006

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

2018

BDR Thermea Group opens Baxi operations in North America.
A high efficiency, modulating condensing central heating wall-mounted boiler for large residential and light commercial applications.

**Features:**
- 240 MBH Input
- 95% AFUE
- 6.7:1 Turndown modulation ratio in central heating mode
- 3 speed, electronically controlled pump
- Stainless steel ANSI 316L pre-mixed burner and heat exchanger
- Anti-wind function - control automatically adjusts the fan speed to prevent loss of flame and lockouts
- Flame stabilization - control allows the flame to stabilize before modulating, preventing flame drop out and recycling
- Electronic Ignition
- Frost Protection Mode
- Vent Materials: coaxial or two-pipe polypropylene
- Gas Types: Natural Gas / Propane
- Dimensions: 17.75”(w) x 23”(d) x 30.06”(h)
- Weight: 120.15 lbs

**Standard Equipment:**
- High limit sensors
- Low water cut-off
- Shut off valves
- 50 psi ASME Pressure relief valve
- System pressure gauge

**Optional Equipment:**
- Outdoor Sensor

**LIMITED Warranty:**
- 2-Year parts warranty
- 10-Year Limited Heat Exchanger

[Refer to back page for specifications]
A CLOSER LOOK 1.70MP

Luna Duo-tec 1.70MP

1. Condensate trap
2. Gas valve
3. Fan
4. Air/gas collector
5. Primary exchanger
6. Burner sight glass
7. Manual air vent
8. Flue sensor
9. Coaxial flue connector
10. Flue gas test port
11. Combustion air test port
12. Exchanger flange high limit
13. Ignition/Flame detection electrode
14. Spark generator
15. Automatic air vent
16. Auxiliary control board box
17. Air/gas mixer
18. Pump
19. Boiler drain
20. Pressure gauge
21. Low water cutoff
22. Thermal fuse

Top of Boiler
- Combustion Air for Optional 2-Pipe Venting
- Coaxial Vent Connections

Bottom of Boiler
- 1" Heating System Return Connection
- 1" Heating System Supply Connection
- 3/4" Gas Inlet Connection and Shutoff Valve
- 3/4" Condensate Drain Connection and Trap Assembly
Luna Duo-tec

A high efficiency modulating condensing central heating wall-mounted boiler perfect for commercial applications. Compatible with any type of hydronic air handler, wall or baseboard radiator, or in-floor radiant heating system.

Features:
- 380 MBH Input
- 95% Thermal Efficiency
- 10.5:1 Turndown modulation ratio in central heating mode
- Fixed speed pump built in
- Automatic air vent on heat exchanger
- Stainless steel ANSI 316L pre-mixed burner and heat exchanger
- Anti-wind function - control automatically adjusts the fan speed to prevent loss of flame and lockouts
- Flame stabilization - control allows the flame to stabilize before modulating, preventing flame drop out and recycling
- Electronic Ignition
- Frost Protection Mode
- Vent Materials: Coaxial or Two-pipe Polypropylene
- Gas Types: Natural Gas / Propane
- Dimensions: 23.63”(w) x 25.38”(d) x 37.44”(h)
- Weight: 215.6 lbs

Standard Equipment:
- High limit sensors
- Low water cut-off
- Shut off valves
- 50 psi ASME Pressure relief valve
- System pressure gauge

Optional Equipment:
- Outdoor Sensor

LIMITED Warranty:
- 2-Year parts warranty
- 10-Year Limited Heat Exchanger

[Refer to back page for specifications]
<table>
<thead>
<tr>
<th>Luna Duo-tec 1.110MP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Condensate trap</td>
</tr>
<tr>
<td>2 Gas valve</td>
</tr>
<tr>
<td>3 Fan</td>
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<tr>
<td>4 Air/gas collector</td>
</tr>
<tr>
<td>5 Primary exchanger</td>
</tr>
<tr>
<td>6 Burner sight glass</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>8 Flue sensor</td>
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<td>10 Flue gas test port</td>
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<td>18 Pump</td>
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<tr>
<td>19 Boiler drain</td>
</tr>
<tr>
<td>20 Pressure gauge</td>
</tr>
<tr>
<td>21 Low water cutoff</td>
</tr>
<tr>
<td>22 Thermal fuse</td>
</tr>
</tbody>
</table>

**Top of Boiler**
- Combustion Air for Optional 2-Pipe Venting
- Coaxial Vent Connections

**Bottom of Boiler**
- 1 1/2” Heating System Return Connection
- 1 1/2” Heating System Supply Connection
- 1” Gas Inlet Connection and Shutoff Valve
- 3/4” Condensate Drain Connection and Trap Assembly
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)

SPACE HEATING MODE

<table>
<thead>
<tr>
<th>MODEL</th>
<th>INPUT MPH</th>
<th>HEATING CAPACITY MBH</th>
<th>EFFICIENCY AFUE %</th>
<th>NET WATER MBH</th>
<th>MIN</th>
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<tbody>
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<td>HEAT ONLY</td>
<td>1.70 MP</td>
<td>240</td>
<td>216</td>
<td>95% AFUE</td>
<td>188</td>
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<tr>
<td></td>
<td>1.110 MP</td>
<td>380</td>
<td>348</td>
<td>95% Thermal</td>
<td>303</td>
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</table>

(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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>COAXIAL(2)</th>
<th>2-PIPE POLYPROPYLENE(2)</th>
<th>2-PIPE CPVC(2)</th>
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</thead>
<tbody>
<tr>
<td>HEAT ONLY</td>
<td>1.70 MP</td>
<td>3” x 5” (80mm x 125mm)</td>
<td>3” (80mm)</td>
</tr>
<tr>
<td></td>
<td>1.110 MP</td>
<td>4” x 6” (100mm x 160mm)</td>
<td>4” (100mm)</td>
</tr>
</tbody>
</table>

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