The Bosch Greenstar is the World's Best Selling Residential Condensing Boiler System. Greenstar is ideal for providing comfortable heating and domestic hot water with a 151,000 maximum BTU rating and 95% AFUE. Greenstar’s ultra quiet operation is perfect for radiant heating with panel radiators, in floor radiant, or baseboards.

www.BoschHeatingAndCooling.com
Perfect for Radiators, In Floor Radiant, or Baseboards.

Meet the Bosch Greenstar Pro

The Greenstar Combi Pro boilers have the same superior features found in our standard Greenstar Combi boilers, with the auxiliary accessories removed. These combi boilers provide both space heating and domestic hot water, while maintaining AFUE efficiencies of 95.0%. With domestic hot water flow rates up to 4.0 GPM (72° ΔT) and a variety of different venting options, these combi boilers are the preferred choice for apartment and home-owners alike.

Features

- **Heat & Hot Water:** Provides heat to your home and up to 4GPM domestic hot water in one compact, lightweight wall-mounted unit
- **Simplified Installation:** Integral pump is standard on all models
- **Coated Heat Exchanger:** Reduces scale build-up, reduces service, maintains high efficiency and extends the life of the boiler
- **Combi Models High DHW Output:** Up to 4 GPM DHW output on Combi models – based on ΔT at 72°F / 40°C. Large plate heat exchanger allows for lower operating temperatures and larger ΔT in DHW mode for higher efficiency and condensing operation
- **Proven Reliability:** Over 4 million Greenstar boilers sold worldwide
- **Venting Material:** Options include polypropylene (PP), flexible PP chimney liner, concentric PP kit, PVC or CPVC

(1) Please go to boschheatingandcooling.com for full limited warranty details
Bosch Greenstar Pro Applications

The Greenstar is ideal for a townhouse, condo, apartments or single family homes. Available as a heat only boiler for use with a hot water tank, or as a combi model for heating integrated with tankless domestic hot water (DHW).

Features

- Same superior performance found in our standard Greenstar Combi boilers, with auxiliary accessories removed
- Provides heat and up to 4GPM domestic hot water in one compact, lightweight wall-mounted unit
- Single zone utilizes boiler pump, multi-zone requires a primary/secondary piping or low loss header
- Can be installed using a variety of venting materials and terminations
- Includes 110-volt power-plug. No waiting for an electrician to complete the installation

Giving you the Ultimate Comfort you Deserve

Greenstar is ideal for providing comfortable heating and domestic hot water within the 151,000 maximum BTU rating. Greenstar’s ultra quiet operation is perfect for radiant heating with panel radiators, in floor radiant, or baseboards. Radiant heat, like the sun, warms objects rather than just the air, creating a greater sense of warmth and at lower room temperatures.

Bosch, the Quality Name you Know and Trust

Bosch has been producing products since 1886. We first produced water heaters and boilers in 1895. Since 2001 more than 20 million units have been installed worldwide. The Bosch Greenstar condensing boiler line is engineered to offer the ideal solution for residential heating and hot water needs at an affordable price, without compromising quality or fuel economy.

Peace-Of-Mind Warranties That are Best in Industry

Bosch products are built using top-grade materials and are tested to meet the highest standards for performance and sustainability, which is why Bosch can back each product with the most generous warranties in the industry. Our 5-year parts and labor limited warranty and lifetime heat exchanger limited warranty§ ensure longevity of your investment.

§ Copies of original warranties in their entirety are available at www.boschheatingandcooling.com
Gas Conversion Kit

The Greenstar PRO boilers include an innovative liquid propane conversion kit which does not require the use of a flue gas analyzer*. In order to switch to LPG the installer simply installs a new code plug, a fixed gas throttle orifice and an LPG label. Setting of the gas-air ratio is no longer necessary.

Al-Si Heat Exchanger

Each unit features an ASME approved Al-Si heat exchanger constructed of advanced magnesium-aluminum-silicon alloy offering increased flexibility versus traditional stainless steel. This highly durable heating block is corrosion resistant and designed to optimize clean burning combustion over an extra large surface area. The heat exchanger has a coating that prevents scale build-up, reduces service, maintains high efficiency and extends the life of the boiler.

Full Modulating Fan Assembly

A full modulating fan automatically increases or decreases its speed depending on the heat demand controlling the amount of gas coming into the boiler. This process, called modulation, prevents the boiler from either having too little or too much air in the unit for optimal combustion ensuring high efficiency.

Stainless Steel Plate Heat Exchanger

All Greenstar Combi boilers are equipped with a high-strength stainless steel flat plate heat exchanger with double passage ensuring consistent DHW temperature output based on demand. This heat exchanger, with its large surface area and advanced technology, allows the boiler to use a lower water temperature and to condense even while producing DHW for greater efficiency and helps reduce the build-up of scale within the heat exchanger.

*Bosch Greenstar Pro
Superior Design & Components

The new Bosch Greenstar series features industry-leading design and technology components built for years of reliable operation and optimal energy efficiency.

Full Modulating Fan
Stainless Steel Burner
Electrode Assembly
Primary Sensor
Limit Stat
Al-Si Heat Exchanger
System Pressure Gauge
Circulation Pump
Heatronic III Boiler Control (Folded down)
Heating & DHW Temperature Setting

Max CO₂ Adjustment
Limit Stat (Flue Gas)
Plated Stainless Steel Heat Exchanger
Included 110-volt power-plug

*Please go to boschheatingandcooling.com for full limited warranty details.
Bosch Greenstar Accessories

Domestic Hot Water Tanks
Combine your Bosch boiler with one of our indirect hot water tanks. A Bosch tank is extremely well insulated for minimal stand-by heat loss. Available in 32 up to 119 gallons, these tanks have a higher recovery rate than direct fired or tankless coil versions.

Panel Radiators
Radiant heat, like the sun, warms objects rather than just the air, creating a greater sense of warmth and at lower room temperatures. Panel radiators provide the perfect combination of both radiant and convection heat. Depending on system and designed supply temperatures, panel radiators can offer additional energy savings.

Concentric Vent Kit
A concentric vent is designed to use only one pipe for both the intake for combustion air and the exhaust vent. This design is an alternative to the standard two pipe intake/vent. Unlike standard venting, which requires cutting two holes through the home, one for intake and one for exhaust, a concentric vent only requires one hole through the wall to the outside.

Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>GREENSTAR 100P</th>
<th>GREENSTAR 151P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
<td>7738100825</td>
<td>7738100611</td>
</tr>
</tbody>
</table>

**Performance Specifications**

| Maximum input rate 180/79 °F (82/26 °C) BTU/hr (kW) | 100,000 (29.3) | 151,600 (44.4) |
| Minimum input rate 180/79 °F (82/26 °C) BTU/hr (kW) | 24,600 (7.2) | 36,000 (10.5) |
| Output rate domestic hot water (DHW), 113 °F (45 °C) BTU/hr (kW) | 93,600 (27.4) | 137,500 (40.3) |
| Output rate domestic hot water (DHW), 140 °F (60 °C) BTU/hr (kW) | 91,400 (26.8) | 135,800 (39.8) |

**Connection sizes**

- Heating Supply: NPT 1"
- Heating Return: NPT 1"
- DHW: NPT ¾"
- Cold Water: NPT ¾"
- Gas: NPT ¾"

**Permissible Inlet gas pressure**

- NG: in. W.C. (mbar) 3.5 - 0.5" (8.7 - 26.1)
- LPG (propane): in. W.C. (mbar) 8 - 13" (19.9 - 32.3)

**Domestic Hot Water**

- Max. DHW flow rate: gpm (l/min) 2.64 (10) 3.963 (15)
- Nominal DHW flow rate (at 140 °F (60 °C) outlet temperature): gpm (l/min) 2.03 (7.7) 3.61 (11.4)
- Outlet temperature °F (°C) 104 - 140 (40 - 60)
- Max. cold water inlet temperature °F (°C) 140 (60)
- Max. approved DHW pressure psi (bar) 150 (10.3)
- Minimum water pressure psi (bar) 4.35 (0.3)

**General**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>Hz</td>
</tr>
<tr>
<td>120</td>
<td>60</td>
</tr>
<tr>
<td>Sound pressure level</td>
<td>dB(A)</td>
</tr>
<tr>
<td>39</td>
<td>45</td>
</tr>
<tr>
<td>Max. supply temperature °F (°C)</td>
<td>187 (86)</td>
</tr>
<tr>
<td>Max. permissible operating pressure (PMS) heating psi (bar)</td>
<td>30 (2.07)</td>
</tr>
<tr>
<td>Nominal water capacity (heating) gal (l)</td>
<td>0.925 (3.5)</td>
</tr>
<tr>
<td>Weight (without packaging) lbs. (kg)</td>
<td>110.2 (50)</td>
</tr>
<tr>
<td>Dimensions: W x H x D inch (mm)</td>
<td>17¼ × 33½ × 13¾ (440 × 850 × 353)</td>
</tr>
</tbody>
</table>
About Bosch

Bosch Group
The Bosch Group is a leading global supplier of technology and services in the areas of Automotive, Industrial Technology, Consumer Goods and Building Technology. The company was founded in Stuttgart, Germany, in 1886 and presently has more than 440 subsidiaries and is represented in over 150 countries.

In the U.S., Canada and Mexico, the Bosch Group manufactures and markets automotive original equipment and aftermarket solutions, industrial drives and control technology, power tools, security and communication systems, packaging technology, thermotechnology, household appliances and software solutions. The Bosch Group’s products and services are designed to improving quality of life by providing innovative and beneficial solutions. In this way, the company offers technology worldwide that is “Invented for life.” Additional information is available online at boschheatingandcooling.com and bosch.ca.

Bosch Thermotechnology in North America
Bosch Thermotechnology is a leading source of high quality water heating and comfort systems. The company offers gas tankless, electric whole house and point-of-use water heaters, Bosch and Buderus floor-standing and wall mounted boilers, Bosch and FHP geothermal, water-source and air-source systems as well as controls and accessories for all product lines. Bosch Thermotechnology is committed to being Simply Smart by offering products that work together as integrated systems that enhance quality of life in an ultra-efficient and environmentally friendly manner. For more information, visit boschheatingandcooling.com.

Bosch Water-Source Heat Pumps: Made in the U.S.A.
Bosch and FHP water-source and geothermal heat pumps are made by highly trained and skilled workers in our factory based in Fort Lauderdale, Florida. They are manufactured with rigorous standards and factory testing ensuring high efficient operation over the life of the unit. Bosch’s ISO 9001 and ISO 14001 certified facilities provide consistent quality in every unit built.