Greenstar—The World's Best Selling Condensing Gas Boiler

Introducing the Greenstar 151P Combi Condensing Boiler.
Value priced model with essential features and the same great quality, reliablity and comfort for the home owner.

BOSCH
Invented for life

Greenstar 151P Features and Benefits

▶ Provides heat and up to 4gpm domestic hot water in one compact, lightweight wall-mounted unit.

▶ Attached power cord eliminates the need to coordinate an electrician

▶ Standard HT3 control included, additional control options are available as an accessory

▶ 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

▶ Peace of mind quality and innovation - over 4 million Greenstar boilers sold worldwide

Most Efficient 2016 ENERGY STAR www.energystar.gov | LIFETIME HEAT EXCHANGER LIMITED WARRANTY | LOWNOx EMISSIONS

Superior Design and Standard Components

Al-Si Heat Exchanger
Features an ASME approved Al-Si heat exchanger constructed of advanced magnesium-aluminum-silicon alloy offering increased flexibility versus traditional stainless steel. The heat exchanger has a coating that prevents scale build-up, reduces service, maintains high efficiency and extends the life of the boiler

Plated Stainless Steel Heat Exchanger
The high-strength stainless steel flat plate heat exchanger with double passage ensures consistent DHW temperature output based on demand. Its large surface area and advanced technology allows the boiler to condense even while producing DHW and helps reduce the build-up of scale within the heat exchanger.

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.
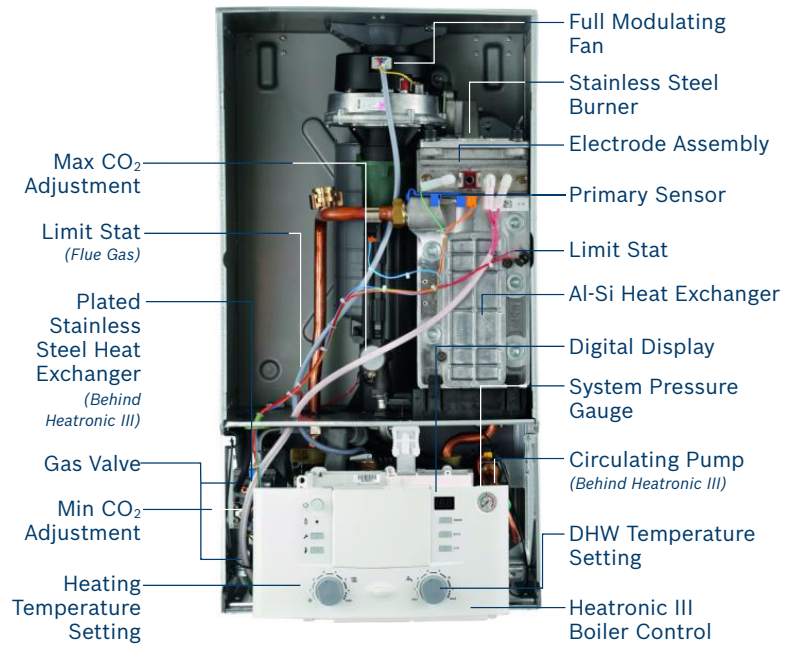

Heatronic III Boiler Control (HT3)
Bosch Heatronic III, a device integrated into the boiler, provides instant access to the hot water and heating control buttons. Furthermore, it enables the easy setting and testing of many customized appliance functions and applications. The exclusive keypad safety lock feature prevents unwanted tampering with the control.

Quick Reference Specifications

Specifications	Greenstar Combi 151P ZWB42-3
Fuel	NG or LP with optional gas conversion kit
Input Maximum (MBH)	151.6
Input Minimum (MBH)	36.0
AFUE	95%
DHW Flow Max (ΔT at 72°F)	4.0 GPM
Dimensions (W xHxD)	17 ½ x 33 ½ x 13 ½
Boiler Weight w/o packaging	110.2 lbs
Supply / Return Tappings	1"
Gas Connection Size	¾"
Vent Size	2" -3"
Vent Material	PVC / CPVC / PP
Domestic Water Supply	¾"
Warranty	**Limited Life Heat Exchanger 5-Year Parts 1-Year labor**

Diagram callouts:
- Max CO_2 Adjustment
- Limit Stat *(Flue Gas)*
- Plated Stainless Steel Heat Exchanger *(Behind Heatronic III)*
- Gas Valve
- Min CO_2 Adjustment
- Heating Temperature Setting
- Full Modulating Fan
- Stainless Steel Burner
- Electrode Assembly
- Primary Sensor
- Limit Stat
- Al-Si Heat Exchanger
- Digital Display
- System Pressure Gauge
- Circulating Pump *(Behind Heatronic III)*
- DHW Temperature Setting
- Heatronic III Boiler Control

Optional Controls and Accessories

Floor Base	FW200 Weather Compensation Boiler Control	NSC Controls	CT100 Control	Venting & Gas Conversion Kit	Maintenance Accessories

Floor Base

Shown with and without cover

The Greenstar installation stand is a convenient option to use the Greenstar wall-boilers on the floor when wall mounting is not convenient.

Part #77738111216

FW200 Weather Compensation Boiler Control

The FW200 digital thermostat and outdoor reset boiler control is programmable with up to six switching times throughout the day. The interface can be installed within the appliance or be wall mounted in any location in home. It provides feedback to the end-user and has built-in diagnostic to effortlessly pinpoint operational issues.
Part # 87182262150

NSC Controls

CZM100   CRC200   CRC100

Bosch offers comfort room controllers that can be used in single or multi-zone applications, similar to conventional on/off thermostats in style and use but provide additional energy savings and comfort.

▶ **CZM100:** Three zone control module, for circulator pumps or zone valve activation.
  Part # 7738110112
▶ **CRC200:** Programmable controller with an integrated temperature sensor.
  Part # 7738111034
▶ **CRC100:** Integrated temperature sensor with basic thermostat functions.
  Part # 7738110090

CT100 Control

Internet-connected control with advanced features such as: weather compensation, home presence detection for customized comfort levels; Innovative programming for intelligent conversation with boiler and early warning via error messages to your smart device
Part # 7736700988

Venting & Gas Conversion Kit

**Concentric up and out vent kit
Part # 7738003218**

**Twin Pipe Adapter
Part # 87182262890**

Gas Conversion Kit
ZWB41-31 from NG to LPG
Part # 87377017460

Maintenance Accessories

Cleaning Brushes
(Set of 5)
Part #7719002502

**Cleaning Tool
Part #7719002503**

**Condensate Neutralizer & Media
JM-6C Part #7738003181
Media Part # 7738003184**

Bosch Thermotechnology Corp.
Londonderry, NH • Ft. Lauderdale, FL
General Inquiries: 1-866-642-3198
Contractor Technical Support: 1-800-283-3787

www.boschheatingandcooling.com