



BOSCH

Invented for life

Greenstar

The world's best selling condensing gas boiler

Pro Combi Models

Greenstar Pro Gas Condensing Combi

All the essential features with the quality, and reliability you expect from Bosch.



Greenstar PRO Features and Benefits



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



Superior Design and Standard Components



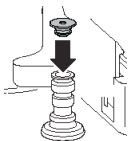
Al-Si Heat Exchanger

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.



NEW: 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.



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.

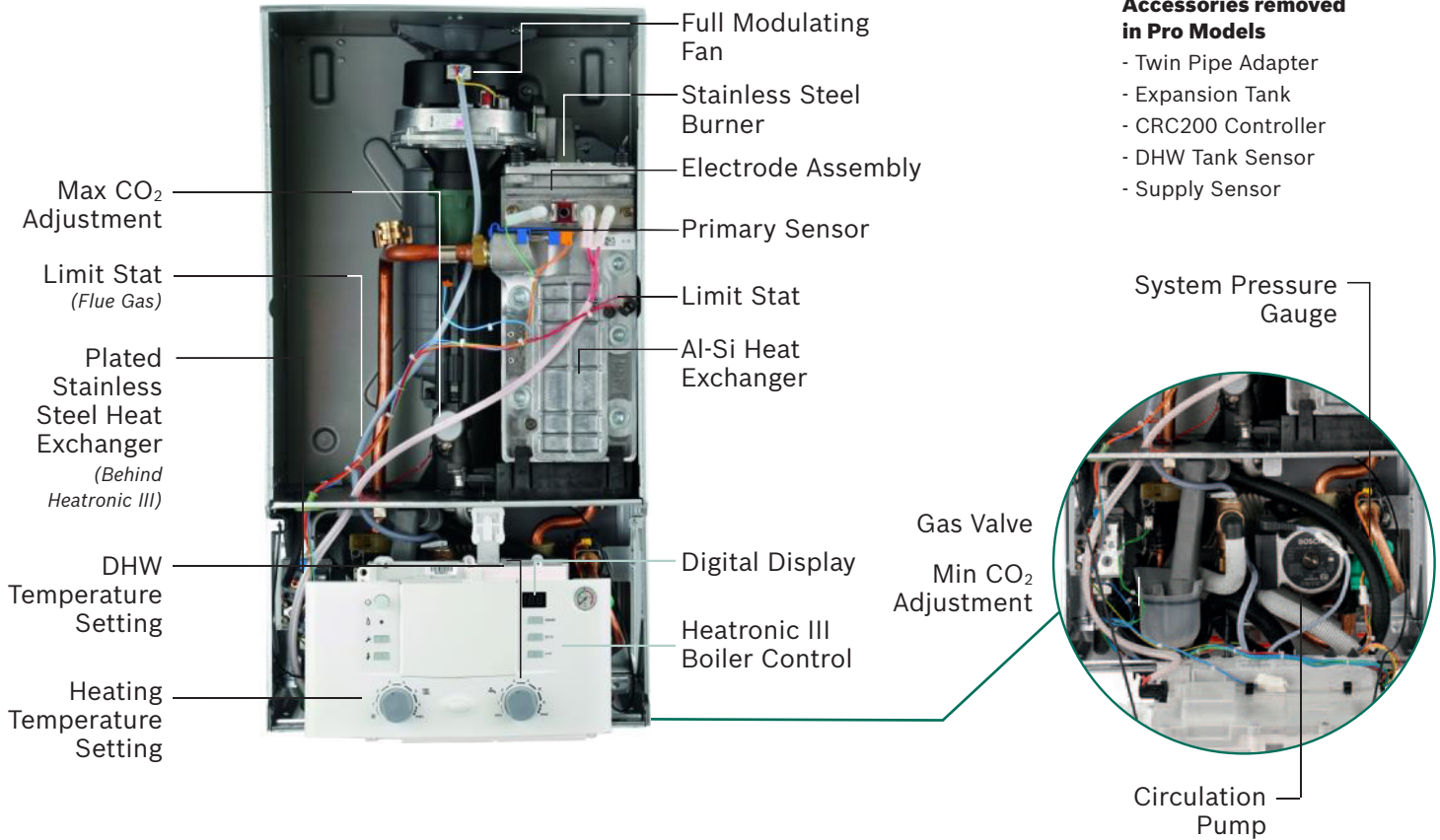


Included Power-Plug

Includes a 110-volt power-plug, which means no waiting for an electrician to complete the installation.

*A flue gas analyzer is always recommended for proper installation.

Greenstar PRO A look Inside



Optional Controls and Accessories

Floor Base	FW200 Weather Compensation Boiler Control	NSC Controls	CT100 Control	Venting & Gas Conversion Kit	Maintenance Accessories
<p>Shown with and without cover</p>  <p>The Greenstar installation stand is a convenient option to use the Greenstar wall-boilers on the floor when wall mounting is not convenient.</p> <p>Part #7773811216</p>	 <p>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.</p> <p>Part # 87182262150</p>	 <p>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.</p> <ul style="list-style-type: none"> ▶ 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 	 <p>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</p> <p>Part # 7736700988</p>	 <p>Concentric up and out vent kit Part # 7738003218</p>  <p>Twin Pipe Adapter Part # 87182262890 (not included in Pro Models)</p> <p>Gas Conversion Kit ZWB41-31 from NG to LPG Part # 87377017460 (included)</p>	<p>Cleaning Brushes (Set of 5) Part #7719002502</p>  <p>Cleaning Tool Part #7719002503</p>  <p>Condensate Neutralizer & Media JM-6C Part #7738003181 Media Part # 7738003184</p>

Greenstar PRO Quick Reference Specifications

		GREENSTAR COMBI 100P**	GREENSTAR COMBI 151P**
PART NUMBER		7738100825	7738100611
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 -1 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)	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			
Voltage	VAC	120	
Frequency	Hz	60	
Sound pressure level	dB(A)	39	45
Max. supply temperature	°F (°C)	187 (86)	
Max. permissible operating pressure (PMS) heating	psi (bar)	30 (2.07)	
Nominal water capacity (heating)	gal (l)	0.925 (3.5)	
Weight (without packaging)	lbs. (kg)	110.2 (50)	
Dimensions: W x H x D	inch (mm)	17¾ x 33½ x 13¼ (440 x 850 x 353)	

* Copies of original warranties in their entirety are available at www.boschheatingandcooling.com



Heating



Cooling



Hot Water



Controls

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