

# Gas-fired boiler range

## Product Guide 2021



**NEW**

Cylinder range  
and 2000 LPG

 **WORCESTER**



**BOSCH**

Which? awarded to Greenstar 8000 Style combi



## Greenstar Heating System Care Packs

Offer a cost-effective system solution, while complying with both Boiler Plus and BS7593.

- ▶ Wireless Bosch EasyControl (white) RF Care Pack
- ▶ Wireless Bosch EasyControl (black) RF Care Pack
- ▶ Greenstar Comfort+ II RF Care Pack
- ▶ Greenstar Comfort II RF Care Pack

Each care pack contains a Greenstar Mini System Filter, which unlocks up to a 12 year guarantee\* on our gas boilers.

For more information, including part numbers, go to pages 62 and 63.

\*12 year guarantee on our Greenstar 8000 Lifestyle. Available to Excelerate members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £150. See page 79 for more information. Terms and conditions apply.

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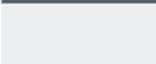
100MM DIAMETER		
	7 716 191 082	Standard telescopic flue & terminal (350 - 570mm)
	7 738 112 869	Silver standard telescopic flue & terminal (350 - 570mm)
	7 716 191 171	Long telescopic flue kit (570 - 790mm)
	7 719 002 430	Vertical 1,090mm BF kit (inc. adaptor)
	7 716 191 083	Extension flue kit (960mm)
	7 738 112 871	Silver extension flue kit (960mm)
	7 716 191 172	2m flue extension
	7 716 191 133	Short flue extension (220mm)
	7 738 112 873	Silver short flue extension (220mm)
	7 716 191 084	90° flue bend
	7 738 112 874	Silver 90° flue bend
	7 716 191 085	45° flue bend x 2
	7 738 112 875	Silver 45° flue bend
	7 719 002 432	High level horizontal flue adaptor
	7 733 600 048*	High level horizontal telescopic flue kit
	7 716 191 177	Support bracket kit
	7 738 112 876	Silver support bracket kit
	7 716 191 178	Support bracket kit (6 pack)
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof
	7 716 191 086	Plume management kit (60mm dia.)
	7 733 601 221	Horizontal high rise fixed flue kit
	7 733 600 298	Horizontal fixed flue kit (1050mm)

\*For use with high level horizontal flue adaptor.

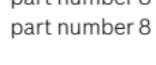
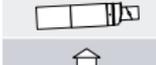
125MM DIAMETER		
	7 719 003 702	Standard telescopic flue & terminal (405 - 600mm)
	7 719 002 431	Vertical 1,365mm BF kit (inc. adaptor)
	7 719 003 666	Extension flue kit (960mm)
	7 719 003 664	90° flue bend
	7 719 003 665	45° flue bend
	7 719 002 433	High level horizontal flue adaptor
	7 716 191 179	Support bracket kit
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof

# Floor-standing boilers – flues

## 80MM DIAMETER

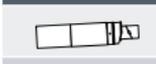
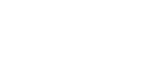
	7 733 601 207	12m flexible flue system (for use with Greenstar FS CDi)
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## 100MM DIAMETER

	7 716 191 155	Standard telescopic flue kit (310 - 530mm)
	7 716 191 156	Vertical 1,140mm BF kit (inc. adaptor)
	7 716 191 083	Extension flue kit (960mm)
	7 716 191 172	2m flue extension
	7 716 191 133	Short flue extension (220mm)
	7 716 191 084	90° flue bend
	7 716 191 085	45° flue bend
	7 716 191 164	Vertical flue adaptor
	7 733 600 048*	High level horizontal telescopic flue kit
	7 716 191 177	Support bracket kit
	7 716 191 178	Support bracket kit (6 pack)
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof
	7 716 191 086	Plume management kit (60mm dia.)

\*For use with high level horizontal flue adaptor and flue adaptor part number 8 718 682 324 0. Also requires a flue clamp fitting part number 8 716 116 815.

## 125MM DIAMETER

	7 716 191 157	Standard horizontal flue kit (965mm)
	7 716 191 158	Vertical 1,365mm BF kit (inc. adaptor)
	7 719 003 666	Extension flue kit (960mm)
	7 719 003 664	90° flue bend
	7 719 003 665	45° flue bend
	7 716 191 165	Vertical flue adaptor
	7 716 191 179	Support bracket kit
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof



# Flue terminal positioning

1. The terminal must not cause an obstruction nor the discharge a nuisance. Particular care should be exercised with regards to the plumbing of the flue gases and any increase in noise levels.
2. If a terminal is fitted less than 2 metres above a surface to which people have access, then a guard must be fitted. The terminal guard must be securely fixed to the wall using suitable plugs and corrosion resistant screws. The guard must be symmetrically positioned about the terminal assembly and spaced such that there is a gap of 50mm between the end of the terminal and the guard. This applies to the air intake and exhaust terminal when a plume management kit is used.
3. In certain weather conditions, a white plume of condensation will be emitted from the flue terminal and siting where this could be a nuisance should be avoided e.g. near security lighting.

The flue system must be installed and terminated in accordance with the manufacturer's instructions and recommendations of BS 5440:Part 1.

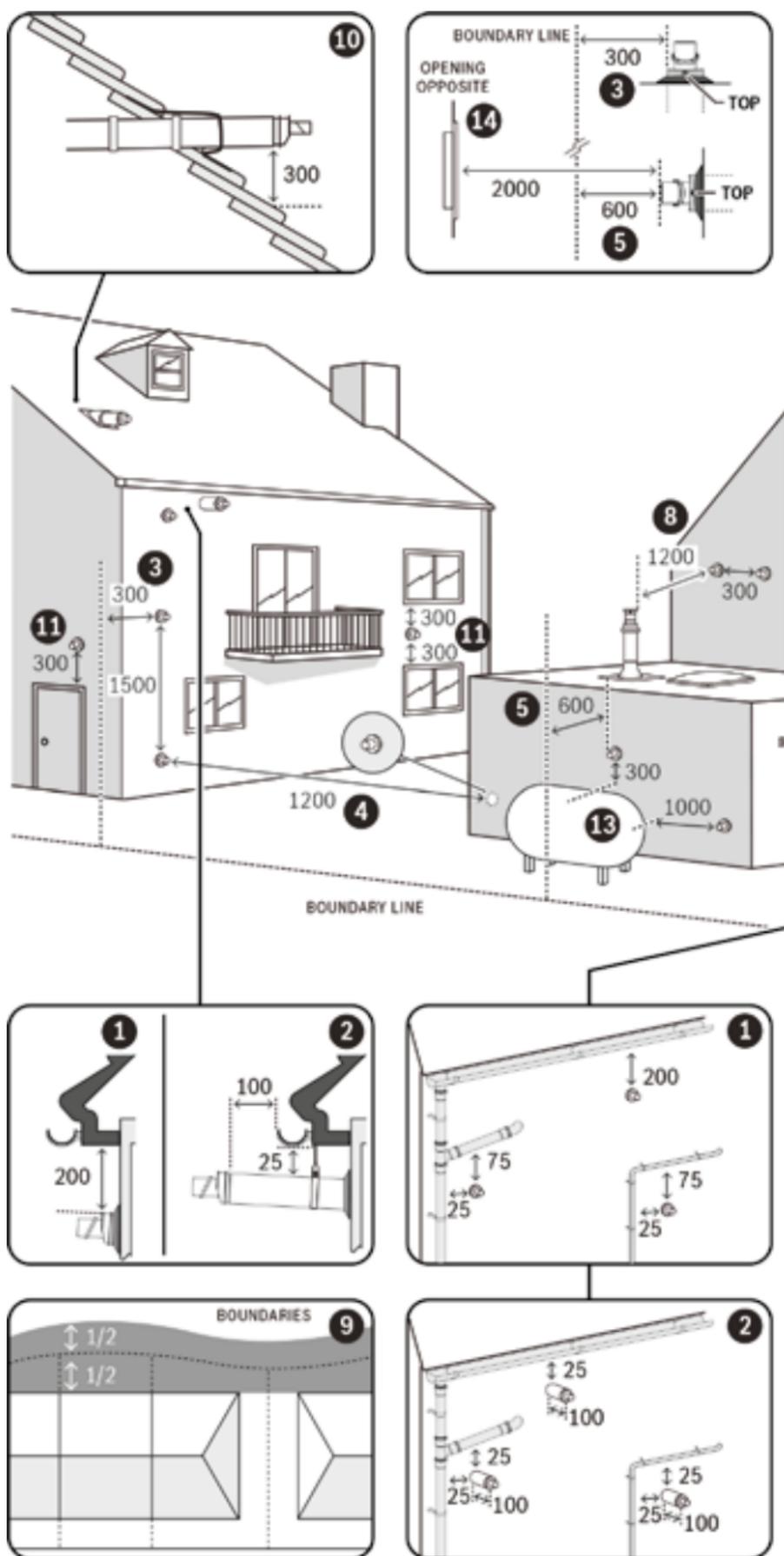
## Note

- ▶ **Please refer back to the installation manuals for product specific clearances**
- ▶ **All measurements are the minimum clearances required**
- ▶ **Terminals must be positioned so as to avoid combustion products entering the building**
- ▶ **Support the flue at approximately one metre intervals and at a change of direction, use suitable brackets and fittings. Flue support bracket kit part numbers:  
7 716 191 177 (100mm dia.)  
7 716 191 178 (100mm dia. x 6)  
7 716 191 179 (125mm dia.)**
- ▶ **Installations in car ports are not recommended.**
- ▶ **The flue cannot be lower than 1,000mm from the top of a light well due to the build up of combustion products.**
- ▶ **Dimensions from a flue terminal to a fanned air inlet to be determined by the ventilation equipment manufacturer.**
- ▶ **A flue terminal guard shall be fitted whenever a terminal or air inlet is fitted less than 2,000mm above ground, above a balcony or above a flat roof to which people have access.**

## Key to illustration – horizontal flue terminal positions (see page 8)

1. 200mm below eaves and 75mm below gutters, pipe and drains.
2. The dimension below eaves, gutters, pipes and drains can be reduced to 25mm, as long as the flue terminal is extended by 100mm past any overhang. The telescopic flue joint must be sealed with suitable silicone sealant if it is external to the building.
3. 300mm adjacent to a boundary line, unless it will cause a nuisance. BS 5440: Part 1 recommends that care is taken when siting terminal in relation to surfaces or boundary lines.
4. 1,200mm separation measured between terminals facing each other.
5. 600mm distance to a surface or boundary line facing a terminal, unless it will cause a nuisance. BS 5440: Part 1 recommends that care is taken when siting terminal in relation to surfaces or boundary lines.
6. The terminal must be at least 1,500mm from the opening or vent when sited below the window or 600mm when sited to either side or above.
7. 600mm diagonally to an opening door, air vent or opening window.
8. 1,200mm separation measured between a vertical flue and a horizontal flue terminal.
9. For the purpose of determining suitable flue terminal positions for gas appliances, the boundary can be considered to extend to the centre line of any adjacent routes or waterways e.g. paths, streets, rights of way, canals, rivers or railways.
10. 300mm to an internal or external corner. 300mm above a surface, such as the ground/ floor level or roof surface.  
\*If the terminal section is less than 150mm and has two screws securing it to the elbow, the terminal section will not require a supporting bracket. However, the flue terminal can only be cut down to a minimum of 130mm.
11. 300mm above, below and either side of an opening door, air vent or opening window.
12. Below ground level in an open lightwell. The flue must be at least 600mm from the opposing surface and have at least 300mm clearance either side and below. The flue terminal must be no more than 1,000mm from the top of the lightwell.
13. Flues should clear any LPG storage by 1,000mm horizontally and 300mm above.
14. Proximity of flue duct outlet to boundaries, 2,000mm distance to an opening in adjacent building facing a terminal. BS 5440: Part 1 recommends that care is taken when siting terminal in relation to boundary lines.
15. 300mm from an opening or vented window, 150mm to a fixed unvented window.
16. The dimension below eaves, balconies and car ports can be reduced to 25mm, as long as the flue terminal is extended to clear any overhang. The telescopic flue joint of the terminal must be sealed with suitable silicon sealant if it is external to the building.

## Horizontal flue terminal positions





## Key to illustration – vertical flue terminal positions (see page 12)

1. 1,500mm measured between a vertical flue terminal and an opening or vented window. 500mm measured horizontally between a vertical flue terminal and an opening or vented window providing the flue terminal is at least 300mm above the opening.
2. Minimum clearance to an additional flue, 600mm to a room sealed flue or 1,500mm to an open flue.
3. 300mm clearance from a vertical flue terminal adjacent to a boundary line, unless it will cause a nuisance. BS 5440: Part 1 recommends that care is taken when siting a terminal in relation to boundary lines.
4. 600mm minimum clearance measured from an opening or vented skylight to a vertical flue terminal. If the terminal is within 1,500mm of the opening or vented skylight then it must be at least 300mm above the opening.
5. 500mm clearance measured horizontally from a vertical flue to a vertical structure. Not required if the terminal is 300mm above the structure.
6. The flue must not penetrate the roof in the shaded area. The terminal must be at least 1,500mm from the opening or vent when sited below the window or 600mm when sited to either side or above.
7. 400mm measured diagonally from a pitched roof or 500mm in regions with heavy snow fall. 300mm measured vertically from the air intake to the closest intersection with the roof.
8. 1,200mm separation measured between a vertical flue and a horizontal flue terminal.
9. For the purpose of determining suitable flue terminal positions for gas appliances, the boundary can be considered to extend to the centre line of any adjacent routes or waterways e.g. paths, streets, rights of way, canals, rivers or railways.
10. 1,500mm measured between a vertical flue terminal and an opening or vented window. 500mm measured horizontally between a vertical flue terminal and an opening or vented window providing the flue terminal is at least 300mm above the opening.

### Note

- **Where a vertical flue terminates in an area that is enclosed on 3 sides, the flue must be no more than 1,000mm below the lowest roof line. You must ensure that all clearances are maintained and that products of combustion disperse safely from the area.**

Plume management

# Condensfit II™ plume management system

## Part numbers

### 60mm dia. plume management kit

Comprises:

1 x terminal bend

1 x extension 500mm

1 x outlet assembly

1 x clamp pack

**7 716 191 086**



## Accessories

COMPONENTS	PART NO.	DESCRIPTION
60MM DIAMETER		
	7 716 191 086	Plume management kit (60mm dia.)
	7 716 191 087	Extension (1,000mm) kit
	7 716 191 088	90° Bend
	7 716 191 089	45° Bend (pair)
	7 716 191 176	Plume management terminal guard round
	8 716 111 2750	Plume management clamp

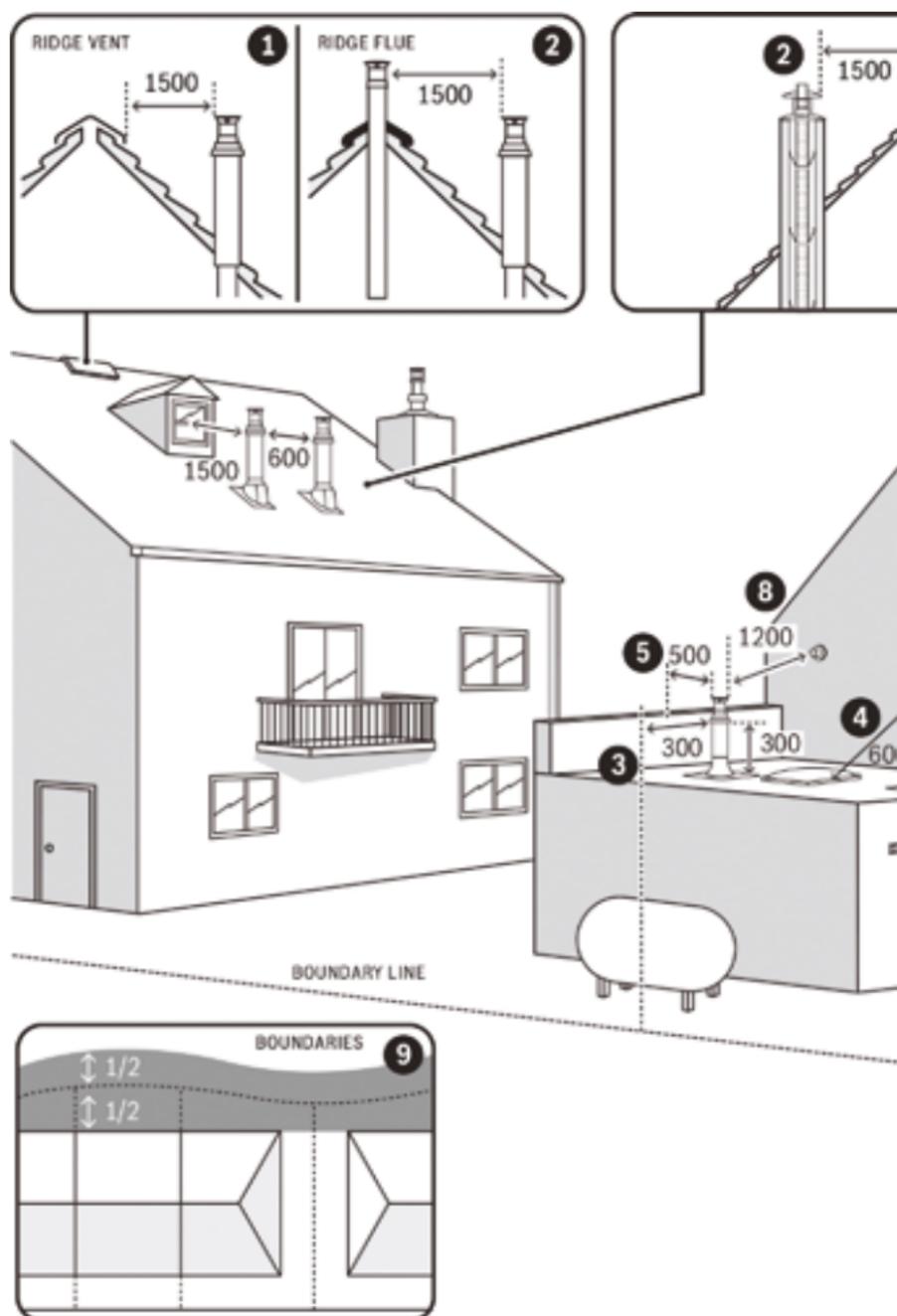
For every 90° plume management kit bend deduct 1,500mm and 750mm for every 45° plume management kit bend.

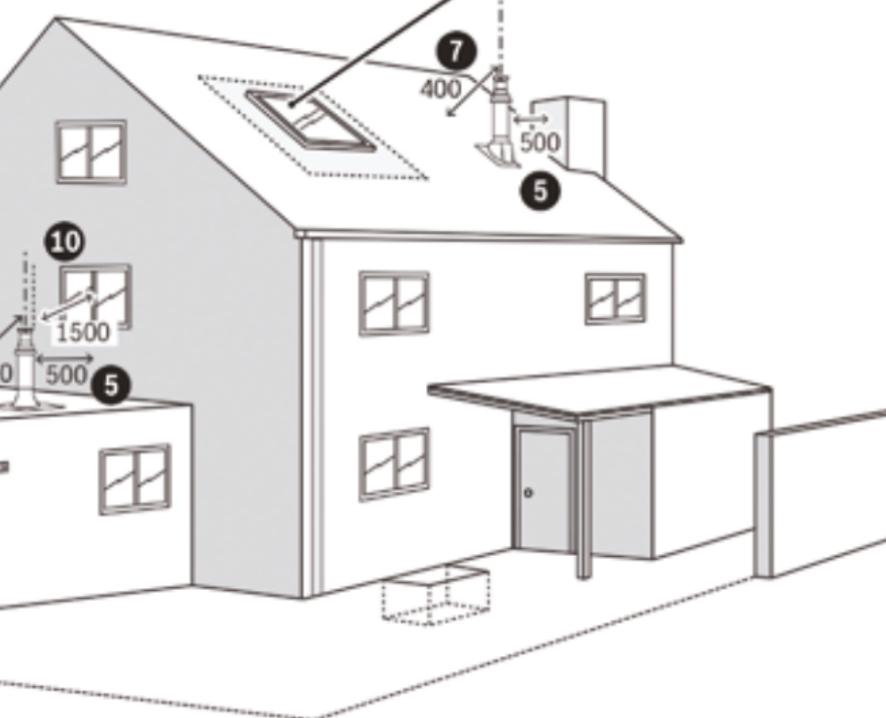
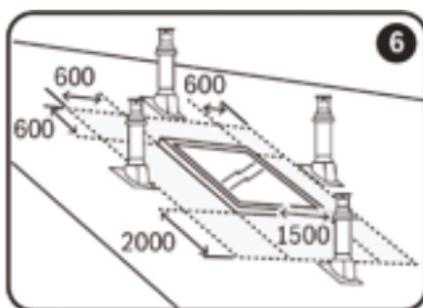
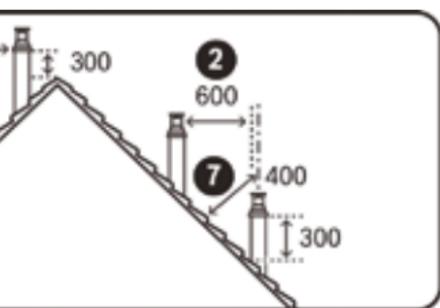
## Plume management kits

Plume management kits are available for 100mm horizontally terminated flues. Please refer to the installation instructions supplied with the plume management kits.

***For more information on plume lengths and reduced flue terminal clearances, please read the relevant boiler installation manual.***

## Vertical flue terminal positions





0010021441-002

## Wall mounted condensing combi boilers

# Greenstar 8000 Style Combi series



A+++ → G



A+ → G



### DIMENSIONS

Width	440mm
Height	780mm
Depth	365mm

### CLEARANCES

Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

\*20mm from a removable cupboard door, 450mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments.

## Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.	
	ΔT 40°C <sup>^</sup>	ΔT 35°C <sup>#</sup>			
<b>GREENSTAR 8000 STYLE 30kW COMBI</b>				<b>BLACK</b>	<b>WHITE</b>
30.2	10.7	12.3	3.1 to 31	NG 7 738 100 832	7 738 100 795
				LPG 7 738 100 844	7 738 100 839
<b>GREENSTAR 8000 STYLE 35kW COMBI</b>				<b>BLACK</b>	<b>WHITE</b>
34.4	13.0	14.3	5.1 to 35	NG 7 738 100 833	7 738 100 796
				LPG 7 738 100 845	7 738 100 840
<b>GREENSTAR 8000 STYLE 40kW COMBI</b>				<b>BLACK</b>	<b>WHITE</b>
40.8	14.3	16.4	5.1 to 35	NG 7 738 100 834	7 738 100 797
				LPG 7 738 100 846	7 738 100 841
<b>GREENSTAR 8000 STYLE 45kW COMBI</b>				<b>BLACK</b>	<b>WHITE</b>
43.5	15.3	18.3	5.1 to 35	NG 7 738 100 835	7 738 100 798
				LPG 7 738 100 847	7 738 100 842
<b>GREENSTAR 8000 STYLE 50kW COMBI</b>				<b>BLACK</b>	<b>WHITE</b>
48.9	17.9	20.3	5.1 to 35	NG 7 738 100 836	7 738 100 799
				LPG 7 738 100 848	7 738 100 843

<sup>^</sup>40°C – Designed operational flow rate. <sup>#</sup>35°C – Values for industry comparisons.



Collect loyalty points  
per installation

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)						
DIAMETER	DIRECTION	30kW	35kW	40kW	45kW	50kW
100mm	Horizontal	17,000	10,000	11,000	8,000	9,000
	Vertical	21,000	14,000	15,000	12,000	12,000
125mm	Horizontal	25,000	29,000	35,000	35,000	40,000
	Vertical	25,000	29,000	35,000	35,000	40,000

**Note: 60/100mm and 80/125mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT - LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS†	SAP EFFICIENCY - NG	SAP COMPARATIVE HOT WATER EFFICIENCY
<b>GREENSTAR 8000 STYLE 30kW COMBI</b>				
41kg*	A / 94%	A	89.4%	73.4%
<b>GREENSTAR 8000 STYLE 35kW COMBI</b>				
41kg*	A / 94%	A	89.5%	75.1%
<b>GREENSTAR 8000 STYLE 40kW COMBI</b>				
41kg*	A / 94%	A	89.5%	73.4%
<b>GREENSTAR 8000 STYLE 45kW COMBI</b>				
43kg*	A / 94%	A	89.5%	74.1%
<b>GREENSTAR 8000 STYLE 50kW COMBI</b>				
43kg*	A / 94%	A	89.5%	74.2%

†Declared load profile XL. \*Without front and side panels.



*For details of compatible controls see pages 52-51. See page 64 for relevant accessories.*



**You can offer up to a 12 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

## Wall mounted condensing combi boilers

# Greenstar 8000 Life Combi series



A+++ → G



A+ → G

### DIMENSIONS

Width	440mm
Height	780mm
Depth	365mm

### CLEARANCES

Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

\*20mm from a removable cupboard door, 450mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments.

## Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.
	ΔT 40°C <sup>^</sup>	ΔT 35°C <sup>#</sup>		
<b>GREENSTAR 8000 LIFE 30kW COMBI</b>				
30.2	10.7	12.3	3.1 to 31	NG 7 738 100 800
				LPG 7 738 100 849
<b>GREENSTAR 8000 LIFE 35kW COMBI</b>				
34.4	13	14.3	5.1 to 35	NG 7 738 100 801
				LPG 7 738 100 850
<b>GREENSTAR 8000 LIFE 40kW COMBI</b>				
40.8	14.3	16.4	5.1 to 35	NG 7 738 100 802
				LPG 7 738 100 851
<b>GREENSTAR 8000 LIFE 45kW COMBI</b>				
43.5	15.3	18.3	5.1 to 35	NG 7 738 100 803
				LPG 7 738 100 852
<b>GREENSTAR 8000 LIFE 50kW COMBI</b>				
48.9	17.9	20.3	5.1 to 35	NG 7 738 100 804
				LPG 7 738 100 853

<sup>^</sup>40°C – Designed operational flow rate. <sup>#</sup>35°C – Values for industry comparisons.



**Collect loyalty points  
per installation**

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)						
DIAMETER	DIRECTION	30kW	35kW	40kW	45kW	50kW
100mm	Horizontal	17,000	10,000	11,000	8,000	9,000
	Vertical	21,000	14,000	15,000	12,000	12,000
125mm	Horizontal	25,000	29,000	35,000	35,000	40,000
	Vertical	25,000	29,000	35,000	35,000	40,000

**Note: 60/100mm and 80/125mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS*	SAP EFFICIENCY – NG	SAP COMPARATIVE HOT WATER EFFICIENCY
<b>GREENSTAR 8000 LIFE 30kW COMBI</b>				
41kg*	A / 94%	A	89.4%	73.4%
<b>GREENSTAR 8000 LIFE 35kW COMBI</b>				
41kg*	A / 94%	A	89.5%	75.1%
<b>GREENSTAR 8000 LIFE 40kW COMBI</b>				
41kg*	A / 94%	A	89.5%	73.4%
<b>GREENSTAR 8000 LIFE 45kW COMBI</b>				
43kg*	A / 94%	A	89.5%	74.1%
<b>GREENSTAR 8000 LIFE 50kW COMBI</b>				
43kg*	A / 94%	A	89.5%	74.2%

\*Declared load profile XL. \*Without front and side panels.



*For details of compatible controls see pages 52-51. See page 64 for relevant accessories.*



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## Wall mounted condensing combi boilers

# Greenstar CDi Compact series



A+++ → G



A+ → G

### DIMENSIONS

Width	390mm
Height	690mm
Depth	280mm

### CLEARANCES

Above flue	30mm <sup>†</sup>
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

<sup>†</sup>Or measured 170mm from the top of the boiler cabinet. \*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments. 450mm front clearance to a fixed surface is permitted if a) 300mm clearance on one side is guaranteed b) the bottom of the boiler is between 1000mm and 1500mm from the ground and c) 450mm front clearance is maintained from ground level to boiler.

## Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.
	ΔT 40°C <sup>^</sup>	ΔT 35°C <sup>#</sup>		
<b>GREENSTAR 28CDi COMPACT</b>				
28	10	11.4	7.03 to 24	NG 7 733 600 054
				LPG 7 733 600 057
<b>GREENSTAR 32CDi COMPACT</b>				
32	11	13.1	7.03 to 24	NG 7 733 600 055
				LPG 7 733 600 058
<b>GREENSTAR 36CDi COMPACT</b>				
36	13	15	7.03 to 24	NG 7 733 600 056
				LPG 7 733 600 059

<sup>^</sup>40°C – Designed operational flow rate. <sup>#</sup>35°C – Values for industry comparisons.



Collect loyalty points  
per installation

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	CDi COMPACT SERIES
100mm	Horizontal	6,000
	Vertical	6,000
125mm	Horizontal	15,000
	Vertical	15,000

**Note: For every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT - LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS†	SAP EFFICIENCY - NG	SAP COMPARATIVE HOT WATER EFFICIENCY
<b>GREENSTAR 28CDi COMPACT</b>				
32.9kg	A / 94%	A	89.8%	74.9%
<b>GREENSTAR 32CDi COMPACT</b>				
32.9kg	A / 94%	A	89.8%	75.0%
<b>GREENSTAR 36CDi COMPACT</b>				
32.9kg	A / 94%	A	89.8%	74.7%

†Declared load profile XL



*For details of compatible controls see pages 54-55. See page 64 for relevant accessories.*



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## Wall mounted condensing combi boilers

# Greenstar Si Compact series



A+++ → G



A+ → G

### DIMENSIONS

Width	390mm
Height	690mm
Depth	280mm

### CLEARANCES

Above flue	30mm <sup>†</sup>
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

<sup>†</sup>Or measured 170mm from the top of the boiler cabinet. \*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments. 450mm front clearance to a fixed surface is permitted if a) 300mm clearance on one side is guaranteed b) the bottom of the boiler is between 1000mm and 1500mm from the ground and c) 450mm front clearance is maintained from ground level to boiler.

## Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.
	ΔT 40°C <sup>^</sup>	ΔT 35°C <sup>#</sup>		
<b>GREENSTAR 25Si COMPACT</b>				
25	9	10.2	7.03 to 24	NG 7 733 600 050
				LPG 7 733 600 051
<b>GREENSTAR 30Si COMPACT</b>				
30	11	12.3	7.03 to 24	NG 7 733 600 052
				LPG 7 733 600 053

<sup>^</sup>40°C – Designed operational flow rate. <sup>#</sup>35°C – Values for industry comparisons.



Collect loyalty points  
per installation

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	Si COMPACT SERIES
100mm	Horizontal	6,000
	Vertical	6,000
125mm	Horizontal	15,000
	Vertical	15,000

**Note: For every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT - LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS*	SAP EFFICIENCY - NG	SAP COMPARATIVE HOT WATER EFFICIENCY
<b>GREENSTAR 25Si COMPACT</b>				
32.9kg	A / 94%	A	89.8%	74.7%
<b>GREENSTAR 30Si COMPACT</b>				
32.9kg	A / 94%	A	89.8%	74.2%

\*Declared load profile XL



*For details of compatible controls see pages 54-55. See page 64 for relevant accessories.*



**You can offer up to a 10 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

## Wall mounted condensing combi boilers

### Greenstar i series



A+++ → G



A+ → G

#### DIMENSIONS

Width	400mm
Height	710mm
Depth	330mm max

#### CLEARANCES

Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

\*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments. 450mm front clearance to a fixed surface is permitted if a) 300mm clearance on one side is guaranteed b) the bottom of the boiler is between 1000mm and 1500mm from the ground and c) 450mm front clearance is maintained from ground level to boiler.

\*\* Distance above cabinet for cleaning when vertical flues are used.

### Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.
	ΔT 40°C <sup>^</sup>	ΔT 35°C <sup>#</sup>		
<b>GREENSTAR 25i</b>				
25	9	10.2	7.2 to 24 <sup>†</sup>	NG 7 733 600 012
				LPG 7 733 600 031
<b>GREENSTAR 30i</b>				
30	10.8	12.3	7.2 to 24 <sup>†</sup>	NG 7 733 600 005
				LPG 7 733 600 032

<sup>^</sup>40°C – Designed operational flow rate. <sup>#</sup>35°C – Values for industry comparisons.

<sup>†</sup>13kW with low NOx code plug fitted.



Collect loyalty points  
per installation

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	GREENSTAR i SERIES
100mm	Horizontal	4,600
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

**Note: For every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT - LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS*	SAP EFFICIENCY - NG	SAP COMPARATIVE HOT WATER EFFICIENCY
<b>GREENSTAR 25i</b>				
31.7kg	A / 94%	A	89.6%	73.2%
<b>GREENSTAR 30i</b>				
31.7kg	A / 94%	A	89.6%	72.1%

\*Declared load profile XL



*For details of compatible controls see pages 54-55. See page 64 for relevant accessories.*



**You can offer up to a 10 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

## Wall mounted condensing combi boilers

### Greenstar 2000 series



A+++ → G



A+ → G

#### DIMENSIONS

Width	400mm
Height	724mm*
Depth	300mm

#### CLEARANCES

Above flue	30mm***
Left	5mm
Right	5mm
Below	200mm
Front	20mm**

\*side panel height = 710mm.

\*\*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments. 450mm front clearance to a fixed surface is permitted if a) 300mm clearance on one side is guaranteed b) the bottom of the boiler is between 1000mm and 1500mm from the ground and c) 450mm front clearance is maintained from ground level to boiler.

\*\*\* Distance above cabinet for cleaning when vertical flues are used.

### Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.
	ΔT 40°C#	ΔT 35°C^		
<b>GREENSTAR 2000 25kW</b>				
25	9	10	4.8 to 20	NG 7 736 902 099
				LPG 7 736 902 101
<b>GREENSTAR 2000 30kW</b>				
30	10.8	12	4.8 to 20	NG 7 736 902 100
				LPG 7 736 902 102

^35°C – Designed operational flow rate.

#40°C – Values for Worcester Bosch comparisons.



Collect loyalty points per installation

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	GREENSTAR 2000 SERIES
100mm	Horizontal	9,000
	Vertical	12,000
125mm	Horizontal	12,000
	Vertical	15,000

**Note: For every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT - LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS†	SAP EFFICIENCY - NG	SAP COMPARATIVE HOT WATER EFFICIENCY - NG
<b>GREENSTAR 2000 25kW</b>				
36kg	A / 93%	A	89.0%	75.5%
<b>GREENSTAR 2000 30kW</b>				
36kg	A / 93%	A	89.0%	76.3%

†Declared load profile XL



*For details of compatible controls see pages 54-55. See page 64 for relevant accessories.*



**When installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Terms and conditions apply.

## Floor standing condensing combi boilers

# Greenstar Highflow CDi series



A+++ → G



A+ → G

### DIMENSIONS

Width	600mm
Height	850mm
Depth	600mm*

### CLEARANCES

Above	15mm**
Left	5mm
Right	5mm
Front	25mm***

\*Excluding front fascia

\*\*600mm required for installation.

\*\*\*600mm required for servicing. Refer to the installation and servicing instructions for unventilated clearances.

## Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (ΔT 35°C FOR A 90 LITRE DRAW OFF)	CH OUTPUT (kW)	PART NO.
<b>GREENSTAR HIGHFLOW 440CDi</b>			
29.5	20#	7.4 to 29.2	NG 7 731 600 098
			LPG 7 731 600 099
<b>GREENSTAR HIGHFLOW 550CDi</b>			
41.1	25#	9.7 to 30.6	NG 7 731 600 100
			LPG 7 731 600 101

#Flow rate shown is only until the heat store is depleted. Once the heat store is depleted, it is advisable to reduce the flow rate to maintain the DHW temperature at the outlet.



Collect loyalty points  
per installation

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	HIGHFLOW CDi SERIES
100mm	Horizontal	4,000
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

**Note: 60/100mm – for every 90° flue bend deduct 1,500mm and 750mm for every 45° flue bend. 80/125mm – for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.**



*For details of flue components see page 5.*

## Model weights and efficiencies

WEIGHT - LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS†	SAP EFFICIENCY - NG	SAP COMPARATIVE HOT WATER EFFICIENCY
<b>GREENSTAR HIGHFLOW 440CDi</b>				
112kg	A / 92%	B	89.2%	61.7%
<b>GREENSTAR HIGHFLOW 550CDi</b>				
112kg	A / 92%	B	89.2%	61.7%

†Declared load profile XL



*For details of compatible controls see pages 54-55. See page 64 for relevant accessories.*



**You can offer up to a 10 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Wall mounted condensing system boiler

## Greenstar 8000 Style System series



DIMENSIONS	
Width	440mm
Height	780mm
Depth	365mm
CLEARANCES	
Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

\*20mm from a removable cupboard door, 450mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments.

### Models and outputs

CH OUTPUT (kW)	PART NO.	
<b>GREENSTAR 8000 STYLE 30kW SYSTEM</b>	<b>BLACK</b>	<b>WHITE</b>
3.1 to 31	NG 7 738 100 837	7 738 100 805
	LPG 7 738 100 856	7 738 100 854
<b>GREENSTAR 8000 STYLE 35kW SYSTEM</b>	<b>BLACK</b>	<b>WHITE</b>
5.1 to 35	NG 7 738 100 838	7 738 100 806
	LPG 7 738 100 857	7 738 100 855

**System boilers using Worcester control options without the Greenstar Wiring Centre are incompatible with Y or S Plan systems and must have the optional Diverter Valve Kit fitted.**



**Collect loyalty points per installation**

## Optional diverter valve kits

DESCRIPTION	PART NO.
Optional Diverter Valve Kit – 30kW & 35kW	7 738 112 913

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)			
DIAMETER	DIRECTION	30kW	35kW
100mm	Horizontal	17,000	10,000
	Vertical	21,000	14,000
125mm	Horizontal	25,000	29,000
	Vertical	25,000	29,000

**Note: 60/100mm and 80/125mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
<b>GREENSTAR 8000 STYLE 30kW SYSTEM</b>		
40kg*	A / 94%	89.6%
<b>GREENSTAR 8000 STYLE 35kW SYSTEM</b>		
40kg*	A / 94%	89.6%

\*Without front and side panels.



*For details of compatible controls see pages 52-51. See page 64 for relevant accessories.*



**You can offer up to a 12 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Wall mounted condensing system boiler

## Greenstar 8000 Life System series



A+++ → G

### DIMENSIONS

Width	440mm
Height	780mm
Depth	365mm

### CLEARANCES

Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

\*20mm from a removable cupboard door, 450mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments.

## Models and outputs

CH OUTPUT (kW)	PART NO.
<b>GREENSTAR 8000 LIFE 30kW SYSTEM</b>	
3.0 to 31	NG 7 738 100 807
	LPG 7 738 100 858
<b>GREENSTAR 8000 LIFE 35kW SYSTEM</b>	
5.1 to 35	NG 7 738 100 808
	LPG 7 738 100 859

**System boilers using Worcester control options without the Greenstar Wiring Centre are incompatible with Y or S Plan systems and must have the optional Diverter Valve Kit fitted.**



**Collect loyalty points  
per installation**

## Optional diverter valve kits

DESCRIPTION	PART NO.
Optional Diverter Valve Kit – 30kW & 35kW	7 738 112 913

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)			
DIAMETER	DIRECTION	30kW	35kW
100mm	Horizontal	17,000	10,000
	Vertical	21,000	14,000
125mm	Horizontal	25,000	29,000
	Vertical	25,000	29,000

**Note: 60/100mm and 80/125mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
<b>GREENSTAR 8000 LIFE 30kW SYSTEM</b>		
40kg*	A / 94%	89.6%
<b>GREENSTAR 8000 LIFE 35kW SYSTEM</b>		
40kg*	A / 94%	89.6%

\*Without front and side panels.



*For details of compatible controls see pages 52-51. See page 64 for relevant accessories.*



**You can offer up to a 12 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Wall mounted condensing system boilers

Greenstar

9i System - 24i System series



A+++ → G

DIMENSIONS	
Width	400mm
Height	710mm
Depth	330mm
CLEARANCES	
Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

\*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments.

\*\* Distance above cabinet for cleaning when vertical flues are used.

## Models and outputs

CH OUTPUT (kW)	PART NO.	
<b>GREENSTAR 9i SYSTEM</b>		
3.1 to 9.2	NG	7 733 600 011
	LPG	7 733 600 033
<b>GREENSTAR 12i SYSTEM</b>		
3.1 to 12.2	NG	7 733 600 010
	LPG	7 733 600 034
<b>GREENSTAR 15i SYSTEM</b>		
4.6 to 15.3	NG	7 733 600 009
	LPG	7 733 600 035
<b>GREENSTAR 18i SYSTEM</b>		
4.6 to 18.4	NG	7 733 600 008
	LPG	7 733 600 036
<b>GREENSTAR 21i SYSTEM</b>		
7.2 to 21.6	NG	7 733 600 007
	LPG	7 733 600 037
<b>GREENSTAR 24i SYSTEM</b>		
7.2 to 24.6	NG	7 733 600 006
	LPG	7 733 600 038

**System boilers using Worcester control options are incompatible with Y or S Plan systems and must have the optional Diverter Valve Kit fitted.**

## Optional diverter valve kit

DESCRIPTION	PART NO.
Optional Diverter Valve Kit – 9 to 24kW	7 733 600 089

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	9i SYSTEM – 24i SYSTEM SERIES
100mm	Horizontal	4,600
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

**Note: for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
<b>GREENSTAR 9i SYSTEM</b>		
30.9kg	A / 94%	89.8%
<b>GREENSTAR 12i SYSTEM</b>		
30.9kg	A / 94%	89.8%
<b>GREENSTAR 15i SYSTEM</b>		
30.9kg	A / 94%	89.7%
<b>GREENSTAR 18i SYSTEM</b>		
30.9kg	A / 94%	89.7%
<b>GREENSTAR 21i SYSTEM</b>		
30.9kg	A / 94%	89.7%
<b>GREENSTAR 24i SYSTEM</b>		
30.9kg	A / 94%	89.7%



**Collect loyalty points per installation**



**You can offer up to a 10 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Wall mounted condensing system boilers

## Greenstar 27i System – 30i System series



A+++ → G

### DIMENSIONS

Width	390mm
Height	690mm
Depth	280mm

### CLEARANCES

Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

\*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments. 450mm front clearance to a fixed surface is permitted if a) 300mm clearance on one side is guaranteed b) the bottom of the boiler is between 1000mm and 1500mm from the ground and c) 450mm front clearance is maintained from ground level to boiler.

\*\* Distance above cabinet for cleaning when vertical flues are used.

## Models and outputs

CH OUTPUT (kW)	PART NO.
<b>GREENSTAR 27i SYSTEM</b>	
7.03 to 27	NG 7 733 600 060
	LPG 7 733 600 061
<b>GREENSTAR 30i SYSTEM</b>	
7.03 to 30	NG 7 733 600 062
	LPG 7 733 600 063

**System boilers using Worcester control options are incompatible with Y or S Plan systems and must have the optional Diverter Valve Kit fitted.**



Collect loyalty points  
per installation

## Optional diverter valve kits

DESCRIPTION	PART NO.
Optional Diverter Valve Kit – 27kW	7 733 600 220
Optional Diverter Valve Kit – 30kW	7 733 600 221

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	27i SYSTEM & 30i SYSTEM
100mm	Horizontal	6,000
	Vertical	6,000
125mm	Horizontal	15,000
	Vertical	15,000

**Note: for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
<b>GREENSTAR 27i SYSTEM</b>		
27.3kg	A / 92%	89.0%
<b>GREENSTAR 30i SYSTEM</b>		
27.3kg	A / 92%	89.0%



*For details of compatible controls see pages 54-55. See page 64 for relevant accessories.*



**You can offer up to a 10 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Wall mounted condensing regular boilers

## Greenstar 8000 Life Regular series



A+++ → G

### DIMENSIONS

Width	440mm
Height	780mm
Depth	365mm

### CLEARANCES

Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

\*20mm from a removable cupboard door, 450mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments.

## Models and outputs

CH OUTPUT (kW)	PART NO.
<b>GREENSTAR 8000 LIFE 30kW REGULAR</b>	
3.0 to 31	NG 7 738 100 809
	LPG 7 738 100 860
<b>GREENSTAR 8000 LIFE 35kW REGULAR</b>	
5.1 to 35	NG 7 738 100 810
	LPG 7 738 100 861
<b>GREENSTAR 8000 LIFE 40kW REGULAR</b>	
5.1 to 40	NG 7 738 100 811
	LPG 7 738 100 862
<b>GREENSTAR 8000 LIFE 45kW REGULAR</b>	
6.3 to 45	NG 7 738 100 812
	LPG 7 738 100 863
<b>GREENSTAR 8000 LIFE 50kW REGULAR</b>	
6.3 to 50	NG 7 738 100 813
	LPG 7 738 100 864

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)						
DIAMETER	DIRECTION	30kW	35kW	40kW	45kW	50kW
100mm	Horizontal	17,000	10,000	11,000	8,000	9,000
	Vertical	21,000	14,000	15,000	12,000	12,000
125mm	Horizontal	25,000	29,000	35,000	35,000	40,000
	Vertical	25,000	29,000	35,000	35,000	40,000

**Note: 60/100mm and 80/125mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
<b>GREENSTAR 8000 LIFE 30kW REGULAR</b>		
40kg*	A / 94%	89.6%
<b>GREENSTAR 8000 LIFE 35kW REGULAR</b>		
40kg*	A / 94%	89.6%
<b>GREENSTAR 8000 LIFE 40kW REGULAR</b>		
40kg*	A / 94%	89.6%
<b>GREENSTAR 8000 LIFE 45kW REGULAR</b>		
42kg*	A / 94%	89.8%
<b>GREENSTAR 8000 LIFE 50kW REGULAR</b>		
42kg*	A / 94%	89.8%

\*Without front and side panels.



**Collect loyalty points per installation**



**You can offer up to a 12 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

## Wall mounted condensing regular boilers

# Greenstar 9Ri - 24Ri series



A+++ → G

### DIMENSIONS

Width	390mm
Height	600mm
Depth	270mm

### CLEARANCES

Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

\*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Refer to the installation and servicing instructions for unventilated clearances.

\*\* Distance above cabinet for cleaning when vertical flues are used.

## Models and outputs

CH OUTPUT (kW)	PART NO.
<b>GREENSTAR 9Ri</b>	
3.45 to 9	NG 7 733 600 306
	LPG 7 733 600 300
<b>GREENSTAR 12Ri</b>	
3.45 to 12	NG 7 733 600 307
	LPG 7 733 600 301
<b>GREENSTAR 15Ri</b>	
4.62 to 15	NG 7 733 600 308
	LPG 7 733 600 302
<b>GREENSTAR 18Ri</b>	
5.54 to 18	NG 7 733 600 309
	LPG 7 733 600 303
<b>GREENSTAR 21Ri</b>	
7.38 to 21	NG 7 733 600 310
	LPG 7 733 600 304
<b>GREENSTAR 24Ri</b>	
7.38 to 24	NG 7 733 600 311
	LPG 7 733 600 305

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	9Ri – 24Ri SERIES
100mm	Horizontal	4,600
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

**Note: for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
<b>GREENSTAR 9Ri</b>		
22.6kg	A / 92%	89.1%
<b>GREENSTAR 12Ri</b>		
22.6kg	A / 92%	89.1%
<b>GREENSTAR 15Ri</b>		
22.6kg	A / 92%	88.9%
<b>GREENSTAR 18Ri</b>		
22.6kg	A / 92%	88.9%
<b>GREENSTAR 21Ri</b>		
22.6kg	A / 92%	88.7%
<b>GREENSTAR 24Ri</b>		
22.6kg	A / 92%	88.7%



**Collect loyalty points per installation**



**You can offer up to a 10 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

## Wall mounted condensing regular boilers

# Greenstar 27Ri - 30Ri series



A+++ → G

### DIMENSIONS

Width	390mm
Height	600mm
Depth	270mm

### CLEARANCES

Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

\*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments. 450mm front clearance to a fixed surface is permitted if a) 300mm clearance on one side is guaranteed b) the bottom of the boiler is between 1000mm and 1500mm from the ground and c) 450mm front clearance is maintained from ground level to boiler.

\*\* Distance above cabinet for cleaning when vertical flues are used.

## Models and outputs

CH OUTPUT (kW)	PART NO.
<b>GREENSTAR 27Ri</b>	
7.03 to 27	NG 7 733 600 064
	LPG 7 733 600 065
<b>GREENSTAR 30Ri</b>	
7.03 to 30	NG 7 733 600 066
	LPG 7 733 600 067



Collect loyalty points  
per installation

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	27Ri & 30Ri
100mm	Horizontal	6,000
	Vertical	6,000
125mm	Horizontal	15,000
	Vertical	15,000

**Note: for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.**



*For details of flue components, including new silver flues see page 4.*

## Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
<b>GREENSTAR 27Ri</b>		
22.7kg	A / 92%	89.0%
<b>GREENSTAR 30Ri</b>		
22.7kg	A / 93%	89.0%



*For details of compatible controls see pages 54-55. See page 64 for relevant accessories.*



**You can offer up to a 10 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Floor standing condensing regular boilers

## Greenstar FS CDi Regular series



A+++ → G

### DIMENSIONS

Width	400mm
Height	850mm
Depth	600mm*

### CLEARANCES

Above	15mm
Left	5mm
Right	5mm
Front	25mm**

\*Excluding front fascia.

\*\*600mm to a removable door for servicing. Refer to Tech & Spec for unventilated clearances.

### Models and outputs

CH OUTPUT (kW)	PART NO.
<b>GREENSTAR FS 30CDi REGULAR</b>	
7.7 to 30	NG 7 731 600 102
	LPG 7 731 600 103
<b>GREENSTAR FS 42CDi REGULAR</b>	
9.6 to 40.8	NG 7 731 600 104
	LPG 7 731 600 105



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per installation

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	FS 30CDi REGULAR & FS 42CDi REGULAR
80mm Flexi Flue	Vertical	12,000
100mm	Horizontal	4,000
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

**Note: 60/100mm – for every 90° flue bend deduct 1,500mm and 750mm for every 45° flue bend. 80/125mm – for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.**



*For details of flue components see page 5.*

## Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
GREENSTAR FS 30CDi REGULAR		
55.1kg	A / 92%	88.9%
GREENSTAR FS 42CDi REGULAR		
55.1kg	A / 92%	88.8%



*See page 64 for relevant accessories.*



**You can offer up to a 10 year guarantee, when installed with any Greenstar System Filter\*. See page 79 for more information.**

\*Available to Excelerate members only. Non-WALs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

## Boiler Plus legislation made easy with Worcester

Are you replacing a gas-fired combi boiler with a 2000 or 8000 Lifestyle?



Are you replacing a gas-fired combi boiler?

Yes

Do you want to fit a mechanical timer?

Yes

No

Select one of the below to comply

MT20 & Greenstar Sense I

MT20RF & Weather Sensor

MT20RF & Greenstar Xtra Flue Gas Heat Recovery\* (2000 range only)

Simply fit one of the below instead

Greenstar Comfort+ & Sense I (8000 Style only)

Greenstar Comfort+ Stat RF\*

Greenstar Comfort+ I RF (8000 Style only)

Greenstar Comfort+ II RF

Bosch EasyControl & RF Key

Greenstar Sense II

# Are you replacing a gas-fired combi boiler with a Greenstar Compact or i?



Are you replacing a gas-fired combi boiler?

Yes

Do you want to fit a mechanical timer?

Yes

No

Select one of the below to comply

- MT10 & Greenstar Sense I
- MT10RF & Weather Sensor
- MT10RF & Greenstar Xtra Flue Gas Heat Recovery

Simply fit one of the below instead

- Greenstar Comfort & Sense I
- Greenstar Comfort I
- Greenstar Comfort II
- Bosch EasyControl
- Greenstar Sense II

# Controls

To find out which Greenstar boilers are compatible with our range of optional plug-in controls, see page 56-57.

## **Bosch EasyControl** **Smart internet-connected controller**

### **Bosch EasyControl controller**

Part no. 7 736 701 341 (white)

Part no. 7 736 701 392 (black)



- ▶ Decide times and temperatures for heating and hot water, all from your smart device.
- ▶ Home presence detection.
- ▶ Easy to use and set up with simple displays and intuitive app.
- ▶ Visual graphs to monitor heating and hot water use.
- ▶ Requires just a 2-core wire connection between the control and the boiler.

### **Bosch EasyControl Adapter**

Part no. 7 736 701 560

- ▶ The adapter allows the EasyControl to be compatible with other manufacturer's boilers through OpenTherm protocols or boilers with a 230V room thermostat connection. When connected via a 230V connection, only central heating can be controlled.



**Collect loyalty points  
per installation**

## Individual Smart TRV

Part no. 8 750 000 270



- ▶ Decide heating times and temperatures for individual rooms with the Bosch EasyControl.
- ▶ When installing Smart TRVs, along with our EasyControl Adaptor, a smart TRV must be installed in the same zone as the EasyControl wall unit.
- ▶ For optimum performance we recommend Smart TRVs are installed on all radiators.
- ▶ Child-lock setting through EasyControl App.

## Bosch EasyControl TRV set

Part no. 7 736 701 555

(1 white EasyControl, 3 Smart TRVs)

Part no. 7 736 701 556

(1 black EasyControl, 3 Smart TRVs)



Up to a 12 year guarantee. The guarantee of our EasyControl, Comfort and Sense range will match the Worcester Bosch boiler that it is installed with\*.

\*Terms and conditions apply.

## Greenstar Comfort controls

### Greenstar Comfort plug-in twin channel programmer

Part no. 7 733 600 003



- ▶ Simple menu navigation.
- ▶ Heating programme visualisation bar.
- ▶ 7-day time control for heating and hot water.

### Greenstar Comfort I RF wireless room thermostat and plug-in twin channel programmer

Part no. 7 733 600 001



+3%



All the features of **Comfort in addition to...**

- ▶ Enhanced load compensation for increased efficiency.
- ▶ Quick installation – no wiring required.
- ▶ Extremely reliable RF signal.

### Greenstar Comfort II RF wireless programmable room thermostat and plug-in RF receiver

Part no. 7 733 600 002



+3%



All the features of **Comfort & Comfort I in addition to...**

- ▶ 6 adjustable heating temperatures per day.
- ▶ Set programme at the room thermostat.
- ▶ Remote access to boiler diagnostic codes.
- ▶ Optional wall plate available – 7 733 600 039. The wall plate can be used with all the comfort range of controls.

## Comfort Wall Plate Kit

Part no. 7 733 600 039



- ▶ Allows remote mounting of a Comfort plug-in unit which is then wired to the boiler. Ideal for use with external boilers.

## Greenstar Sense controls

### Greenstar Sense I intelligent room thermostat

Part no. 7 738 110 054



- ▶ Load compensation feature for increased efficiency.
- ▶ Boiler output automatically adjusted to precisely meet the heat demand of the property at maximum efficiency.
- ▶ Maximises the condensing boiler's operation.
- ▶ Ideal when replacing an existing, less efficient wired room thermostat.



**Up to a 12 year guarantee. The guarantee of our EasyControl, Comfort and Sense range will match the Worcester Bosch boiler that it is installed with\*.**

\*Terms and conditions apply.

## Greenstar Sense II weather compensation controller

Part no. 7 738 111 064



- ▶ Intelligently interacts with the boiler to provide weather compensation via a wired outdoor sensor.
- ▶ Solar thermal optimisation in conjunction with MS100 or MS200 solar module.
- ▶ Displays the amount of energy recovered from a solar system.
- ▶ Service reminder function.

## Mechanical timers

### MT10 mechanical timer\*

Part no. 7 716 192 036



- ▶ Analogue clock for setting on and off times for heating.

### MT10RF mechanical RF thermostat\*

Part no. 7 716 192 037



- ▶ Analogue display has comfort and economy time and temperature periods.
- ▶ No wiring.

## Weather sensor

### Outdoor weather sensor

Part no. 7 716 192 764



## Wiring modules

### MS100 and MS200 intelligent solar module

Part no. 7 738 110 144



- ▶ Specially designed interface that integrates a solar heating system with a gas-fired system boiler.
- ▶ Works in conjunction with a solar-compatible weather or load compensation unit such as the Sense II. MS200 unit allows integration of more complex solar heating systems, including east / west split or swimming pools.

## Greenstar Wiring Centre

Part no. 7 738 110 116

- ▶ Allows wireless room thermostats to be used with a regular boiler.
- ▶ Pump is wired direct and not to the boiler – saving as much as half a day's installation time.

\*4% saving is achieved when installed as a room thermostat;  
2% when installed in the boiler fascia.

\*These controls will not provide hot water pre-heat time control when installed with a combi boiler.

# 2000 and 8000 controls

Currently the following controls on page 52 and 53 are only compatible with our 2000 combi boilers, as well as 8000 combi boilers and, when used with an integral diverter valve, 8000 system boilers.

## Wireless Bosch EasyControl Smart internet-connected controller

### Bosch EasyControl RF Key

Part no. 7 738 112 351

- ▶ Enables wireless connection between the control and the boiler.

### Bosch EasyControl controller

Part no. 7 736 701 341 (white)

Part no. 7 736 701 392 (black)

Used in conjunction with Bosch EasyControl Stand.

Part no. 7 736 701 576



## MT20 Mechanical Timers

### MT20 Mechanical Timer

Part no. 7 733 600 332

### MT20RF Mechanical Thermostat

Part no. 7 733 600 333



Collect loyalty points  
per installation

## Greenstar Comfort+ controls



Pictured is our Comfort+ II RF and Comfort+ Stat RF

### **Greenstar Comfort+ (8000 Style only)**

Part no. 7 738 112 321

- ▶ Activates timer functionality via boiler display.
- ▶ 7-day time control for CH and DHW.
- ▶ 3 adjustable CH and DHW time periods.
- ▶ Use with Sense I for Boiler+ compliance.

### **Greenstar Comfort+ I RF (8000 Style only)**

Part no. 7 738 112 323

All the features of Comfort+ while also including:

- ▶ Pre-paired wireless room thermostat and RF key receiver.
- ▶ Load compensation for enhanced efficiency.

### **Greenstar Comfort+ II RF**

Part no. 7 738 112 324

All the features of Greenstar Comfort+ and Comfort+I RF combined in one unit, while also including:

- ▶ 6 adjustable CH temperatures for each set-point per day.
- ▶ Programme and control CH and DHW at the room thermostat - perfect for boilers that are not easily accessible.

### **Greenstar Comfort+ Stat RF**

Part no. 7 738 112 338

- ▶ Pre-paired wireless room thermostat and RF key receiver.
- ▶ Perfect replacing an existing, less efficient room thermostat.
- ▶ Compatible with existing, external 230V programmers or MT20.

# Greenstar controls matrix

CONTROL	PART NO.	ERP CLASS	% SYSTEM EFFICIENCY GAIN	
<b>MECHANICAL TIMERS</b>				
MT10 Mechanical Timer	7 716 192 036	-	-	
MT10RF Mechanical Thermostat	7 716 192 037	I	1	
MT20 Mechanical Timer	7 733 600 332	-	-	
MT20RF Mechanical Thermostat	7 733 600 333	I	1	
<b>DIGITAL AND WIRELESS PROGRAMMERS AND ROOM THERMOSTATS</b>				
Greenstar Comfort	7 733 600 003	-	-	
Greenstar Comfort I RF	7 733 600 001	V	3	
Greenstar Comfort II RF	7 733 600 002	V	3	
Greenstar Comfort+ Stat RF***	7 738 112 338	V	3	
Greenstar Comfort+ II RF	7 738 112 324	V	3	
Greenstar Comfort+	7 738 112 321	-	-	
Greenstar Comfort+ I RF	7 738 112 323	V	3	
<b>ADVANCED INTELLIGENT CONTROLS</b>				
Greenstar Sense I**	7 738 110 054	V	3	
Greenstar Sense II	7 738 111 064	VI	4 <sup>†</sup>	
Outdoor Weather Sensor	7 716 192 764	II	2	
<b>WIRING MODULES</b>				
MS100 Intelligent Solar Module	7 738 110 144	-	-	
Greenstar Wiring Centre	7 738 110 116	-	-	

<sup>†</sup>4% when installed via a BUS connection & weather compensation mode enabled;

\* With optional wiring centre (see page 51).

\*\*Must be used with external 230v timer (Greenstar Highflow) or MT10 or MT20.

\*\*\*Must be used with an external 230v timer or MT20.

<sup>^</sup> With optional integral diverter valve.

## GAS-FIRED BOILERS

GAS-FIRED BOILERS											
COMBI							SYSTEM <sup>^</sup>				REG <sup>*</sup>
8000 STYLE	8000 LIFE	CDI COMPACT	Si COMPACT	GREENSTAR i	GREENSTAR 2000	HIGHFLOW CDI	8000 STYLE	8000 LIFE	i SYSTEM	GB162	27Ri AND 30 Ri
		✓	✓	✓							
		✓	✓	✓							
✓	✓				✓			✓			
✓	✓				✓			✓			
		✓	✓	✓		✓			✓		
		✓	✓	✓		✓			✓		
		✓	✓	✓		✓			✓		✓
✓	✓				✓		✓	✓			
✓	✓				✓		✓	✓			
✓							✓				
✓							✓				
✓	✓	✓	✓	✓	✓	✓	✓		✓	✓ <sup>1</sup>	
✓	✓	✓	✓	✓	✓	✓	✓		✓	✓ <sup>1</sup>	
✓	✓	✓	✓	✓	✓	✓	✓		✓	✓ <sup>1</sup>	
							✓		✓	✓ <sup>1</sup>	
									✓		✓

<sup>1</sup> Only compatible when installed with a single boiler, not when installed as part of a cascade.

For further support on our range of controls, please call our controls technical support team on **0330 123 3641**.

# Bosch EasyControl matrix

CONTROL	PART NO.	ERP CLASS	% SYSTEM EFFICIENCY GAIN	
<b>SMART CONTROLS</b>				
EasyControl – White	7 736 701 341	VI	4 <sup>†</sup>	
EasyControl – Black	7 736 701 392	VI	4 <sup>†</sup>	
EasyControl RF Key	7 738 112 351			
EasyControl Table Stand	7 736 701 576			
EasyControl and 3x Smart TRV set – White	7 736 701 555	VIII	5 <sup>†</sup>	
EasyControl and 3x Smart TRV set – Black	7 736 701 556	VIII	5 <sup>†</sup>	
EasyControl Adapter	7 736 701 560			

<sup>†</sup>4% when installed via a BUS connection & weather compensation mode enabled; 5% when installed via a BUS connection and with 3 or more smart radiator thermostats installed in the system.

<sup>1</sup> When installed with an EasyControl Adapter to control a single heating channel.

<sup>2</sup> When installed with an integral diverter valve and connected to the EasyControl via emsBUS or, when installed using an EasyControl Adapter as part of an S or Y plan to control a single central heating channel.

GAS-FIRED BOILERS											
COMBI							SYSTEM			REGULAR	
8000 LIFE AND 8000 STYLE	CDI COMPACT	SI COMPACT	GREENSTAR i	GREENSTAR 2000	HIGHFLOW CDI	8000 LIFE AND 8000 STYLE	i SYSTEM	GB162	8000 LIFE	27Ri AND 30Ri	
✓	✓	✓	✓	✓	✓	✓ <sup>2</sup>	✓ <sup>2</sup>		✓ <sup>1</sup>	✓ <sup>1</sup>	
✓	✓	✓	✓	✓	✓	✓ <sup>2</sup>	✓ <sup>2</sup>		✓ <sup>1</sup>	✓ <sup>1</sup>	
✓				✓		✓ <sup>2</sup>			✓ <sup>1</sup>		
✓				✓		✓ <sup>2</sup>			✓ <sup>1</sup>		
✓	✓	✓	✓	✓	✓	✓ <sup>2</sup>	✓ <sup>2</sup>		✓ <sup>1</sup>	✓ <sup>1</sup>	
✓	✓	✓	✓	✓	✓	✓ <sup>2</sup>	✓ <sup>2</sup>		✓ <sup>1</sup>	✓ <sup>1</sup>	
						✓	✓		✓	✓	

For further support on our range of controls, please call our controls technical support team on **0330 123 3641**.

# Accessories



## Greenstar Intelligent Filling System\*

Part no. 7 738 112 911

- ▶ Only compatible with Greenstar 8000 Lifestyle combi.
- ▶ **Helps maintain optimum boiler pressure**  
This industry-first revolutionary software allows the internal filling valve to automatically fill the heating system.
- ▶ **Automatically opens and close filling valve**  
Once optimum pressure has been reached, the integrated filling valve will automatically stop and close.
- ▶ **Prevents over-filling**  
Will recognise if there is a leak in the system and will not automatically fill the system.
- ▶ **Reduces unnecessary call outs**  
It also alerts your customer if the heating system is losing too much pressure.

\*In order for the Intelligent Filling System to work successfully there must be an appropriate level of water pressure from the mains supply. The minimum required is 1.5bar standing pressure.



### Greenstar System Filter Range

- Part no. 7 733 600 266 (22mm mini)
- 7 733 600 236 (22mm)
- 7 733 600 237 (28mm)
- 7 733 600 476 (22mm brass)

#### ► Isolation valve indicators

Can be opened using a single 90° turn, with red and green indicators showing when the filter is in operation.

#### ► Mini System Filter

Designed for installs with space restrictions as it is 54mm smaller in height than the normal 22mm filter.

#### ► Brass System Filter

Precision engineered, robust filter, with a large capacity, that is both easy to install and clean. The brass filters have a bypass, making it easy to remove and clean while the boiler continues to operate.



Collect loyalty points  
per installation



### **Worcester Keyless Filling Link\***

Part no. 7 716 192 610

- ▶ WRAS approved.
- ▶ Simple lever operation, no key or hose required.
- ▶ No risk of the end user losing or misplacing the filling link.
- ▶ For safe use as a filling link with the domestic water supply.



### **Worcester CondenseSure**

Part no. 7 716 192 746

- ▶ No electrical supply needed.
- ▶ Compatible with all boilers.
- ▶ Uses 'free' energy.
- ▶ Installation flexibility.



### **Greenstar Xtra FGHR Unit**

Part no. 7 736 900 525

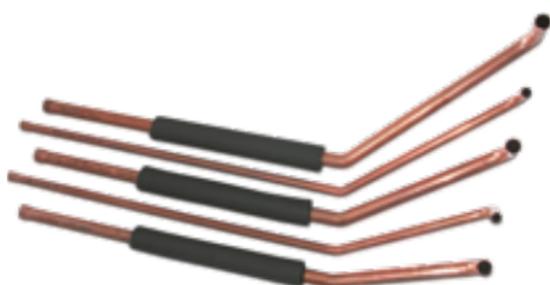
- ▶ Designed for use with Greenstar Si Compact, CDi Compact and Greenstar i combi natural gas-fired boilers.
- ▶ Recognised under SAP and Green Deal as an energy saving technology.



### Greenstar Low Loss Header

Part no. 7 716 192 614

Ready-made solution for the connection of two Greenstar system or regular boilers on a sealed heating system with a combined output of up to 70kW.



### Vertical Pre-piping Assembly Kits

Part no. 7 716 192 607 (8000 Lifestyle Combi and System)

Part no. 7 716 192 713\*\* (CDi Compact, Si Compact, Greenstar i and Greenstar i System).

Pre-bent and pipes have swaged-ends for easy soldering. This will save you approximately 30 minutes on installation time.

### Earth Bonding Strip

Part no. 7 716 192 686

Looks neater and saves up to 20 minutes on installation compared with fitting separate earth bonding tags to each pipe. Comes as standard with Greenstar 8000 Lifestyle and Greenstar Highflow CDi.

\*In order for the Intelligent Filling System to work successfully there must be an appropriate level of water pressure from the mains supply. The minimum required is 1.5bar standing pressure. \*\*27i System and 30i System includes two 15mm copper pipes for use with an optional diverter valve.

# Heating System Care Packs



## **Wireless Bosch EasyControl (white) RF Heating System Care Pack**

Part no. 7 733 600 433

- ▶ Bosch EasyControl (white) & Key
- ▶ EasyControl Table Stand
- ▶ Greenstar Mini System Filter (22mm)
- ▶ Worcester Bosch WB1 Inhibitor 500ml Bottle
- ▶ Worcester Bosch WB3 Cleaner 500ml Bottle

*Suitable for our Greenstar 2000 and 8000 Lifestyle boilers.*



## **Wireless Bosch EasyControl (black) RF Heating System Care Pack**

Part no. 7 733 600 443

- ▶ Bosch EasyControl (black) & Key
- ▶ EasyControl Table Stand
- ▶ Greenstar Mini System Filter (22mm)
- ▶ Worcester Bosch WB1 Inhibitor 500ml Bottle
- ▶ Worcester Bosch WB3 Cleaner 500ml Bottle

*Suitable for our Greenstar 2000 and 8000 Lifestyle boilers.*

See pages 54-57 for additional accessories needed with our controls when fitted with our regular and system boilers.



## Greenstar Comfort+ II RF Heating System Care Pack

Part no. 7 733 600 423

- ▶ Greenstar Comfort+ II RF Wireless Programmer & Key
- ▶ Greenstar Mini System Filter (22mm)
- ▶ Worcester Bosch WB1 Inhibitor 500ml Bottle
- ▶ Worcester Bosch WB3 Cleaner 500ml Bottle

*Suitable for our Greenstar 2000 and 8000 Lifestyle boilers.*



## Greenstar Comfort II RF Heating System Care Pack

Part no. 7 733 601 214

- ▶ Greenstar Comfort II RF Wireless Programmer & Receiver
- ▶ Greenstar Mini System Filter (22mm)
- ▶ Worcester Keyless Filling Link
- ▶ Worcester Bosch WB1 Inhibitor 500ml Bottle
- ▶ Worcester Bosch WB3 Cleaner 500ml Bottle

*Suitable for our Greenstar CDi and Si Compact, as well as Greenstar i.*



**Collect loyalty points  
per installation**

# Accessories' compatibility

ACCESSORY	PART NO.	
Worcester CondenseSure	7 716 192 746	
Greenstar System Filter (22mm mini)	7 733 600 266	
Greenstar System Filter (22mm)	7 733 600 236	
Greenstar System Filter (28mm)	7 733 600 237	
Greenstar System Filter (22mm brass)	7 733 600 476	
Worcester Keyless Filling Link <sup>#</sup>	7 716 192 610	
Greenstar Intelligent Filling System	7 738 112 911	
Greenstar Xtra FGHR Unit	7 736 900 525	
Greenstar Low Loss Header	7 716 192 614	
DHW Pre-heat Accessory (CDi Compact)	7 716 192 735	
DHW Pre-heat Accessory (8000 Lifestyle)	7 738 113 072	
<b>KITS AND EARTH BONDING STRIP</b>		
Vertical pre-piping assembly kit	7 716 192 607	
Vertical pre-piping assembly kit <sup>*</sup>	7 716 192 713	
Earth Bonding Strip <sup>**</sup>	7 716 192 686	
Remote PRV Kit	7 716 161 071	
Remote PRV Kit (8000 Lifestyle)	7 738 112 910	

\* When used with a Greenstar i System boiler, the two 15mm pipes are best used in conjunction with optional diverter valve kits.

\*\*Comes as standard with Greenstar 8000 Lifestyle and Greenstar Highflow CDi.

<sup>#</sup>Comes as standard with Greenstar 8000 Lifestyle combi.

<sup>1</sup> GB162 50kW and 65kW only.

## GAS-FIRED BOILERS

		COMBI						SYSTEM				REGULAR		
		8000 LIFE AND 8000 STYLE	CDi COMPACT	Si COMPACT	GREENSTAR i	GREENSTAR 2000	HIGHFLOW CDi	8000 LIFE AND 8000 STYLE	27i SYSTEM AND 30i SYSTEM	9i SYSTEM - 24i SYSTEM	GB162	8000 LIFE	RI	FS CDi REGULAR
			↙	↙		↙			↙				↙	
	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙		↙	↙	↙
	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙		↙	↙	↙
	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙ <sup>1</sup>	↙	↙	↙
	↙	↙	↙	↙	↙	↙	↙	↙	↙	↙		↙	↙	↙
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	↙ <sup>**</sup>	↙	↙	↙			↙ <sup>**</sup>	↙ <sup>**</sup>	↙	↙				
					↙				↙					
	↙							↙						

# Green Storage WB Range unvented cylinder series

NEW

Compliant with  
Building Regulation  
G3



25  
YEAR  
Guarantee\*

- ▶ G3 kit included.
- ▶ Larger capacity cylinders compared to the previous range, with 7 variants from 90 up to 300 litres - all offering high flow rates.
- ▶ Can be installed with our system diverter valve kit.
- ▶ Rapid re-heat times with excellent levels of heat retention.
- ▶ Factory installed G3 temperature and pressure relief valve.
- ▶ Quiet operating cylinder - only 15db(A).
- ▶ 5 year guarantee on components\*.
- ▶ 25 year guarantee on the stainless steel cylinder body\*.
- ▶ Benchmark, Hot Water Association and Kiwa approved.



Collect loyalty points  
per installation

\*Terms and conditions apply.

## Dimensions and dry weights

DIAMETER (MM)	HEIGHT (MM)	WEIGHT DRY (KG)	PART NO.
GREEN STORAGE WB UNVENTED 90			
550	745	30	7 733 601 298
GREEN STORAGE WB UNVENTED 120			
550	933	35	7 733 601 299
GREEN STORAGE WB UNVENTED 150			
550	1,120	35	7 733 601 300
GREEN STORAGE WB UNVENTED 180			
550	1,308	45	7 733 601 301
GREEN STORAGE WB UNVENTED 210			
550	1,496	50	7 733 601 302
GREEN STORAGE WB UNVENTED 250			
550	1,746	55	7 733 601 303
GREEN STORAGE WB UNVENTED 300			
550	2,055	60	7 733 601 304

## Volumes and efficiencies

VOLUME DOMESTIC HOT WATER (LITRES)	STANDING HEAT LOSS – 24HR (kWh/24HRS)	ERP ENERGY EFFICIENCY CLASS/ STANDING HEAT LOSS (W)
GREEN STORAGE WB UNVENTED 90		
87.9	1.18	C / 49
GREEN STORAGE WB UNVENTED 120		
120.1	1.29	C / 54
GREEN STORAGE WB UNVENTED 150		
150.4	1.41	C / 59
GREEN STORAGE WB UNVENTED 180		
180.6	1.61	C / 67
GREEN STORAGE WB UNVENTED 210		
210.6	1.79	C / 75
GREEN STORAGE WB UNVENTED 250		
250.9	2.02	C / 84
GREEN STORAGE WB UNVENTED 300		
300.3	2.24	C / 93

# Green Storage WB Range solar compatible unvented cylinder series

**NEW**

Compliant with  
Building Regulation  
**G3**



- ▶ G3 kit included.
- ▶ Larger capacity cylinders compared to the previous range, with 7 variants from 90 up to 300 litres - all offering high flow rates.
- ▶ Can be installed with our system diverter valve kit.
- ▶ Rapid re-heat times with excellent levels of heat retention.
- ▶ Factory installed G3 temperature and pressure relief valve.
- ▶ Quiet operating cylinder - only 15db(A)
- ▶ 5 year guarantee on components\*.
- ▶ 25 year guarantee on the stainless steel cylinder body\*.
- ▶ Benchmark, Hot Water Association and Kiwa approved.



**Collect loyalty points  
per installation**

\*Terms and conditions apply.

## Dimensions and dry weights

DIAMETER (MM)	HEIGHT (MM)	WEIGHT DRY (KG)	PART NO.
GREEN STORAGE WB RANGE UNVENTED SOLAR 180			
550	1,308	60	7 733 601 306
GREEN STORAGE WB RANGE UNVENTED SOLAR 210			
550	1,496	65	7 733 601 307
GREEN STORAGE WB RANGE UNVENTED SOLAR 250			
550	1,746	70	7 733 601 308
GREEN STORAGE WB RANGE UNVENTED SOLAR 300			
550	2,055	75	7 733 601 309

## Volumes and efficiencies

VOLUME DOMESTIC HOT WATER (LITRES)	DEDICATED SOLAR VOLUME (LITRES)	STANDING HEAT LOSS PERFORMANCE (kWh/24HRS)	ERP ENERGY EFFICIENCY CLASS/ STANDING HEAT LOSS (W)
GREEN STORAGE WB RANGE UNVENTED SOLAR 180			
178	53.6	1.61	C / 67
GREEN STORAGE WB RANGE UNVENTED SOLAR 210			
204.6	51.8	1.79	C / 75
GREEN STORAGE WB RANGE UNVENTED SOLAR 250			
247	92.2	2.02	C / 84
GREEN STORAGE WB RANGE UNVENTED SOLAR 300			
295.6	79.3	2.24	C / 93

# Wall mounted condensing heat only boilers

## GB162 Commercial boiler series



A++ → G

### DIMENSIONS

Width	520mm
Height	1,329mm <sup>†</sup>
Depth	465mm

### CLEARANCES

Above flue	40mm
Left	0mm
Right	0mm
Below	350mm
Front	50mm*

\*\*ErP only relevant to 50kW and 65kW models.

\*50mm from a removable cupboard door, 550mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments.

†Height with pump group.

\*\*Terms and conditions apply.

## Models and outputs

CH OUTPUT (kW)	NG PART NO.	LPG CONVERSION KITS
<b>GB162 50kW</b>		
14.3 to 49.9	7 736 701 038	7 736 701 533
<b>GB162 65kW</b>		
14.3 to 69.5	7 736 701 035	7 736 701 528
<b>GB162 85kW</b>		
20.8 to 84.5	7 736 701 036	7 736 701 539
<b>GB162 100kW</b>		
20.8 to 99.5	7 736 701 037	7 736 701 540

Cascade options are available up to 1.6MW.

For further information contact our sales team.

## Required accessories – single boiler installation

PART NO.	DESCRIPTION	BOILER			
		50kW	65kW	85kW	100kW
7 736 701 389	Modulating pump group – low energy	✓	✓	✓	✓
5 584 552	Connection set <sup>^</sup>	✓	✓	✓	✓
89 200 972	Low loss header c/w insulation	•	•	◆	◆
7 738 110 140	MM100 Low Loss Header Module	•	•	•	•

✓ Required • Optional ◆ Recommended

GB162 boilers may not be installed on open vented systems, however, a plate heat exchanger may be installed to hydraulically separate the primary and secondary sides of the system. <sup>^</sup>Required when boiler is wall hung.

## Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)					
DIAMETER	DIRECTION	50kW	65kW	85kW	100kW
80/125mm	Horizontal	7,700	7,700	N/A	N/A
	Vertical	7,700	7,700	N/A	N/A
100/150mm	Horizontal	20,000	20,000	18,000	18,000
	Vertical	20,000	20,000	18,000	18,000

**Note: 80/125mm: 50kW and 65kW – for every 90° flue bend deduct 1,900mm, for every 45° flue bend deduct 900mm.**

**Note: 100/150mm: 50, 65, 85 and 100kW – for every 90° flue bend deduct 2,100mm, for every 45° flue bend deduct 1,200mm.**

## Horizontal and vertical fluing options

COMPONENTS	PART NO.	DESCRIPTION
<b>80/125MM DIAMETER</b>		
	7 716 191 116	Horizontal flue kit
	7 716 191 115	Vertical flue kit
	7 716 191 118	1m flue extension (cutable)
	7 716 191 117	0.5m flue extension (cutable)
	7 716 191 119	90° bend
	7 716 191 120	45° bends (pair)
	T 000 082 131	Flue support bracket (3 pack)
	7 716 191 090	Flat roof flashing
	7 716 191 091	Pitched roof flashing

<b>100/150MM DIAMETER</b>		
	7 716 191 094	Horizontal flue kit
	7 716 191 093	Vertical flue kit
	7 716 191 096	1m flue extension (cutable)
	7 716 191 097	1m flue extension (non-cutable)
	7 716 191 095	0.5m flue extension (cutable)
	7 716 191 098	90° bend
	7 716 191 099	45° bends (pair)
	7 746 901 750	Adaptor ( <b>GB162 50kW &amp; 65kW only</b> )
	7 716 191 102	Flue support bracket (3 pack)
	7 716 191 103	Clamp with EPDM seal
	7 716 191 101	Flat roof flashing
	7 716 191 100	Pitched roof flashing

For more information on our GB162 plate heat exchangers and part numbers, visit [worcester-bosch.co.uk/GB162PHE](http://worcester-bosch.co.uk/GB162PHE)

# Bosch Climate Air to Air Heat Pumps



Pictured is our Bosch Climate Single Split Air to Air Heat Pump.

Heats and cools homes, small businesses and offices.

## Installer benefits

- ▶ Power output adjusts to match the demand to avoid frequent compressor start-up/shut down and to increase energy efficiency
- ▶ Operates with the highest SEER efficiency rating over the majority of the operating time
- ▶ The powerful DC inverter compressor and the exterior fan motor are used to adjust the air flow and volume
- ▶ There are no voltage peaks in the inverter compressor; the inverter start-up current is much lower than that of a unit without an Inverter
- ▶ Environmentally friendly refrigerant R32.

## Homeowner benefits

- ▶ Compact design, requiring only an outside wall
- ▶ Inbuilt air purification is perfect for allergy sufferers
- ▶ Straightforward to install and easy to maintain
- ▶ Turbo mode increases ventilation speed to reach the required temperature more quickly.
- ▶ Sleep function. Controls ambient temperature during the night.



**Collect loyalty points  
per installation**

\*Terms and conditions apply.

### Residential Air Conditioning (RAC)

2.6kW Wall-Mounted Indoor Unit	7 739 834 579
2.6kW Outdoor Unit	8 733 500 822
3.5kW Wall-Mounted Indoor Unit	7 739 834 581
3.5kW Outdoor Unit	8 733 500 823
5.3kW Wall-Mounted Indoor Unit	7 739 834 583
5.3kW Outdoor Unit	8 733 500 824
7kW Wall-Mounted Indoor Unit	7 739 834 584
7 kW Outdoor Unit	8 733 500 825

### Multi Split (MS)

2.6kW Wall-Mounted Indoor Unit	7 739 834 579
3.5kW Wall-Mounted Indoor Unit	7 739 834 581
5.3kW Wall-Mounted Indoor Unit	7 739 834 583
7kW Wall-Mounted Indoor Unit	7 739 834 584
MS 2kW Wall-Mounted Indoor Unit	8 733 501 984
MS 07 2kW Cassette Indoor Unit	8 733 500 815
MS 09 2.6kW Cassette Indoor Unit	7 739 833 689
MS 12 3.5kW Cassette Indoor Unit	7 739 833 690
MS 18-1 5.3kW Cassette Indoor Unit	7 733 700 010
MS 18 5.3kW Outdoor Unit	8 733 500 811
MS 27 7.9kW Outdoor Unit	8 733 500 812
MS 36 10.5kW Outdoor Unit	8 733 500 813
MS 42 12.3kW Outdoor Unit	8 733 500 814

### Single Commercial Air Conditioning (SCAC)

MS 18-1 5.3kW Cassette Indoor Unit	7 733 700 010
SCI 24 7kW Cassette Indoor Unit	7 739 833 673
SCI 36 10.5kW Cassette Indoor Unit	7 739 833 674
SCI 48 14kW Cassette Indoor Unit	7 739 833 675
MS 18-2 5.3kW Ducted Split Indoor Unit	7 733 700 012
SCI 24-2 7kW Ducted Split Indoor Unit	7 739 835 549
SCI 36-2 10.5kW Ducted Split Indoor Unit	7 739 835 550
SCI 48-2 14kW Ducted Split Indoor Unit	7 739 837 939
SCI 18 5.3kW Outdoor Unit	8 733 500 816
SCI 24 7kW Outdoor Unit	8 733 500 817
SCI 36 10.5kW Outdoor Unit (1 phase)	8 733 500 818
SCI 48 14kW Outdoor Unit (3 phase)	8 733 500 820

# Bosch Commercial and Industrial

Offering a broad portfolio that covers all heating and cooling requirements

## Expand your business with Bosch Commercial and Industrial

The products and support services you can access gives you the chance to expand your business offering and provide installations for:

- ▶ Large domestic properties.
- ▶ Hotels, guest houses and holiday parks.
- ▶ Sports and leisure centres.
- ▶ Education and healthcare facilities.
- ▶ Mini district heating schemes.
- ▶ And many more.

## Wall-hung commercial solutions



- ▶ Gas boilers with individual outputs from 50kW to 1.6MW.
- ▶ Compact condensing multi-boiler cascade systems of wall-mounted boilers (400kW in just 1m<sup>2</sup>).
- ▶ Range of digital and smart controls, including our industry first internet-connected commercial heating control.
- ▶ Heat Interface Units with hot water flow rates of 15 l/min and 21 l/min.



**BOSCH**

Invented for life



## Floor-Standing solutions



- ▶ Light-commercial, commercial and industrial boilers from 150kW to 38,000kW.
- ▶ Condens 7000 F floor-standing boiler, with outputs from 150kW to 600kW.

For more information please call **0330 123 3004**

or visit **[bosch-industrial.co.uk](http://bosch-industrial.co.uk)**

 Bosch Commercial and Industrial UK

 @BoschHeating\_UK

# Industry training courses

For more details on classroom, industry and online courses visit our website at [worcester-bosch.co.uk/training](http://worcester-bosch.co.uk/training) or call **0330 123 0166**.

## INDUSTRY FOCUSED COURSES

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Chemical Water Treatment

QCF Gas Safety Awareness

WRAS Water Regulations

Unvented Hot Water Systems and Safety Training and Assessment

Adey's Best Practice Water Treatment

## ACS QUALIFICATION COURSES

Commercial ACS Training and Assessment

Domestic ACS Reassessment

LPG Changeover Training and Assessment



# Product training courses

## GAS BOILER COURSES

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Installation and Commissioning

Service and Maintenance

Fault Finding and Repair Levels 1-3

Legacy Service and Repair

8000 Lifestyle

Greenstar 2000

## OIL BOILER COURSES

Advanced Oil Fault Finding Training Course

Greenstar Oil Training Course

OFTEC 10-101, 10-105E & 10-600A

OFTEC 101, 105E & 600A

OFTEC 50

## RENEWABLE COURSES

Greenskies Solar Hot Water System Training Course

Greensource Air to Air Heat Pump Training Course

Greenstore LECP Ground Source Heat Pump Training Course

## COMMERCIAL COURSES

GB162 Training Course

Heat Interface Unit (HIU) Training Course



Search and join our '**Worcester Bosch Training Academy**' Facebook group for online courses and helpful training videos.

Offer up to a  
**12 year guarantee**  
with Excelerate



[worcester-bosch.co.uk](http://worcester-bosch.co.uk)

We are backing you even further with our best ever guarantees.

Sign up to Excelerate and you can pay to extend your boiler guarantee up to 12 years!

	Worcester Installers (non-WAIs)		
	Standard Guarantee	With any Greenstar System Filter	With any Greenstar System Filter + £150*
8000 Lifestyle	<b>8 YEAR Guarantee</b>	<b>10 YEAR Guarantee</b>	<b>12 YEAR Guarantee</b>
CDi & Si Compact i Ri FS CDi	<b>7 YEAR Guarantee</b>	<b>8 YEAR Guarantee</b>	<b>10 YEAR Guarantee</b>
Greenstar 2000	<b>5 YEAR Guarantee</b>	<b>6 YEAR Guarantee</b>	N/A

Terms and conditions apply. \*Excelerate members, who are non-Worcester Accredited Installers, can achieve these guarantee lengths with an additional £150 payment to Bosch Thermotechnology Ltd. via their Excelerate account after the boiler has been registered.

# Useful contacts

## Service Enquiries

Tel: 0330 123 9559 Email: [service.mailbox@uk.bosch.com](mailto:service.mailbox@uk.bosch.com)

## Sales

Tel: 0330 123 9669

## Spare Parts

Tel: 0330 123 9779

## Technical Helpline (Pre & Post Sales)

Tel: 0330 123 3366 Email: [technical-advice@uk.bosch.com](mailto:technical-advice@uk.bosch.com)

## Controls Helpline

Tel: 0330 123 3641

## Training

Tel: 0330 123 0166

## Literature

Visit [worcester-bosch.co.uk/literature](http://worcester-bosch.co.uk/literature) to order or download instantly.

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Worcester Bosch Group

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**[worcester-bosch.co.uk](http://worcester-bosch.co.uk)**

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