Boilers made better

Gas and oil boiler product guide



Installer guide

Up to 12 Year Guarantee*

Trustpilot

Our customers rate us excellent

SEPTEMBER 2025 Which? Recommended Brand GAS BOILERS

WORCESTER BOSCH

We are backing you even further with our best ever guarantees.
Sign up to our VAULT Loyalty Programme and you can pay to extend your boiler guarantee up to 12 years!

	Worcester Bosch Installers (non-WAIs)			
	Standard Guarantee	With any Greenstar System Filter	With any Greenstar System Filter + £40*	With a System Filter Micro
8000+ 8000+ Style	8 Year Guarantee	10 Year Guarantee	12 Year Guarantee	8 Year Guarantee
8000 F 4000 CDi Compact Ri Ri Compact i System Compact	7 Year Guarantee	8 Year Guarantee	10 Year Guarantee	7 Year Guarantee
2000**	7 Year Guarantee	7 Year Guarantee	N/A	7 Year Guarantee
1000**	5 Year Guarantee	5 Year Guarantee	N/A	5 Year Guarantee
Heatslave II Danesmoor	2 Year Guarantee	5 Year Guarantee	7 Year Guarantee	2 Year Guarantee

Terms and conditions apply. *Extended guarantees on certain Worcester Bosch appliances are available to VAULT members who are Worcester Bosch Installers subject to an additional £40 payment to Bosch Thermotechnology Ltd via your VAULT account after the boiler has been installed and registered. The Worcester Bosch guarantee for the Bosch System Filter Micro is for the same duration as the standard guarantee of the boiler with which it is installed. Extended guarantees are not available when fitting the System Filter Micro on our appliances.
**Greenstar 1000 & 2000 extended guarantees are subject to the fitting of any system filter (Worcester Bosch or 3rd party). Full terms and conditions can be found online via your Loyalty Programme account.

Contents

Extended guarantees	2
Gas domestic boilers	
Combi	4 - 17
System	18 - 23
Regular	24 - 31
Gas controls	
Gas Boiler Plus legislation	32
1000, 2000, 4000 and 8000+ controls	34 - 38
CDi and i System Compact controls	39 - 41
Gas compatibility matrix	42 - 45
Gas accessories	
System Filters	46
Greenstar Intelligent Filling System	47
Additional accessories	48 - 49
Gas System Care Packs	50 - 51
Gas compatibility matrix	52 - 53
Gas flues	
Gas flues, plume management and accessories	54 - 55
Gas flue positioning	56 - 63
Gas SAP codes	64 - 65
Oil domestic boilers	
Combi	66 - 69
System	70 - 73
Regular	74 - 79
Oil controls	
Heatslave II Internal and External controls	80 - 81
Danesmoor controls	82 - 83
Oil compatibility matrix	84 - 85
Oil accessories	
System Filters	86
Additional accessories	87
Oil compatibility matrix	88 - 89
Oil flues	
Oil flues, plume management and accessories	90 - 91
Oil flue positioning	92 - 97
Light commercial boilers	
Condens 7000 WP	98 - 101
Air conditioning units	102 - 105
Training	106 - 107

Greenstar 8000+ Style combi

Top class boiler



A
A+++ → G

A
A+ → G

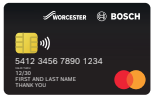
Dimensions	
Width	440mm
Height	780mm
Depth	365mm
Clearances	
Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*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) ΔT 40ºC^	Flow rate (l/min) ΔT 35ºC#	CH output (kW)	Part no.
Greenstar 8000+ Style 32kW combi				
32	12	13.7	4.3 to 30.2	NG 7 736 702 580
Greenstar 8000+ Style 36kW combi				
36	13.5	15.2	5.1 to 34.4	NG 7 736 702 581

^40ºC – Designed operational flow rate. #35ºC – Values for industry comparisons.



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths inc. terminal (mm)			
Diameter	**Direction**	**32kW**	**36kW**
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 90º flue bend deduct 1,500mm and 500mm for every 45º flue bend.

For details of flue components, including silver flues see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	ErP water heating efficiency class††	ErP hot water efficiency
Greenstar 8000+ Style 32kW combi			
43kg**	A / 94%	A	85%
Greenstar 8000+ Style 36kW combi			
43kg**	A / 94%	A	89%

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

For details of compatible controls see pages 34-38. See page 46 for relevant accessories.

Proud to be recommended by Which? for 16 years.

You can offer up to a 12 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar 8000+ combi

The big-time boiler



A
A+++ → G

A
A+ → G

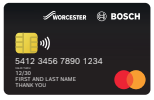
Dimensions	
Width	440mm
Height	780mm
Depth	365mm
Clearances	
Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*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) ΔT 40ºC^	Flow rate (l/min) ΔT 35ºC#	CH output (kW)	Part no.
Greenstar 8000+ 32kW combi				
32	12	13.7	4.3 to 30.2	NG 7 736 702 578
				LPG 7 736 702 585
Greenstar 8000+ 36kW combi				
36	13.5	15.2	5.1 to 34.4	NG 7 736 702 579
				LPG 7 736 702 586
Greenstar 8000+ 40kW combi				
40.8	15	17.1	5.1 to 34.4	NG 7 736 702 582
				LPG 7 736 702 587
Greenstar 8000+ 45kW combi				
43.5	16	18.2	6.3 to 34.4	NG 7 736 702 583
				LPG 7 736 702 588
Greenstar 8000+ 50kW combi				
48.9	18	20.2	6.3 to 34.4	NG 7 736 702 584
				LPG 7 736 702 589

^40ºC – Designed operational flow rate. #35ºC – Values for industry comparisons.



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths inc. terminal (mm)						
Diameter	Direction	32kW	36kW	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 90º flue bend deduct 1,500mm and 500mm for every 45º flue bend.

For details of flue components, see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	ErP water heating efficiency class††	ErP hot water efficiency
Greenstar 8000+ 32kW combi			
43kg**	A / 94%	A	85%
Greenstar 8000+ 36kW combi			
43kg**	A / 94%	A	89%
Greenstar 8000+ 40kW combi			
43kg**	A / 94%	A	86%
Greenstar 8000+ 45kW combi			
46kg**	A / 94%	A	86%
Greenstar 8000+ 50kW combi			
46kg**	A / 94%	A	87%

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

For details of compatible controls see pages 34-38. See page 46 for relevant accessories.

Proud to be recommended by Which? for 16 years.

You can offer up to a 12 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar 4000 combi

Super quiet powerhouse



A
A+++ → G

A
A+ → G

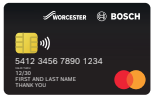
Dimensions	
Width	400mm
Height	724mm*
Depth	310mm
Clearances	
Above flue	30mm**
Left	5mm
Right	5mm
Below	186mm
Front	20mm***

*Side panel height = 710mm. Boiler valves fully enclosed and hidden from vision.
** Distance above cabinet for cleaning when vertical flues are used.
***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) ΔT 40ºC^	Flow rate (l/min) ΔT 35ºC#	CH output (kW)	Part no.
Greenstar 4000 25kW combi				
25	9	10.2	3 to 24^^	NG 7 733 600 371
				LPG 7 733 600 372
Greenstar 4000 30kW combi				
30	10.8	12.3	3 to 24^^	NG 7 733 600 373
				LPG 7 733 600 374

^40ºC – Designed operational flow rate. #35ºC – Values for industry comparisons.
^^13kW with low NOx code plug fitted.



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths inc. terminal (mm)		
Diameter	**Direction**	**Greenstar 4000 series**
100mm	Horizontal	12,000
	Vertical	12,000
125mm	Horizontal	21,000
	Vertical	21,000

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

For details of flue components, see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	ErP water heating efficiency class††	SAP efficiency – NG	SAP comparative hot water efficiency
Greenstar 4000 25kW combi				
32.0kg	A / 94%	A	89.3%	73.8%
Greenstar 4000 30kW combi				
32.3kg	A / 94%	A	89.3%	74.2%

††Declared load profile XL.

For details of compatible controls see pages 34-38. See page 46 for relevant accessories.

Proud to be recommended by Which? for 16 years.

Quiet Mark certified - another reason to promote and recommend the Greenstar 4000.

You can offer up to a 10 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar 2000 combi

Top value performance



A
A+++ → G

A
A+ → G

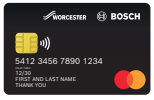
Dimensions	
Width	400mm
Height	724mm*
Depth	300mm
Clearances	
Above flue	30mm***
Left	5mm
Right	5mm
Below	200mm
Front	20mm**

*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) ΔT 40ºC#	Flow rate (l/min) ΔT 35ºC^	CH output (kW)	Part no.
Greenstar 2000 25kW combi				
25	9	10	3 to 24^^	NG 7 736 902 326
				LPG 7 736 902 328
Greenstar 2000 30kW combi				
30	10.8	12	3 to 24^^	NG 7 736 902 325
				LPG 7 736 902 327

^35ºC – Designed operational flow rate.
#40ºC – Values for Worcester Bosch comparisons.
^^13kW with low NOx code plug fitted.



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths inc. terminal (mm)		
Diameter	**Direction**	**Greenstar 2000 series**
100mm	Horizontal	12,000
	Vertical	12,000
125mm	Horizontal	21,000
	Vertical	21,000

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

For details of flue components, see page 54.

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
Greenstar 2000 25kW combi				
32.1kg	A / 94%	A	89.3%	74.4%
Greenstar 2000 30kW combi				
32.1kg	A / 94%	A	89.3%	70.2%

††Declared load profile XL

For details of compatible controls see pages 34-38. See page 46 for relevant accessories.

Proud to be recommended by Which? for 16 years.

Quiet Mark certified - another reason to promote and recommend the Greenstar 2000.

†Available as standard to both Loyalty Programme members and non-WAI's, when fitted with any brand of system filter. Terms and conditions apply. See page 2 for more information.

Greenstar 1000 combi

Ultimate budget heating



A

A+++ → G

A

A+ → G

Dimensions	
Width	395mm
Height	655mm
Depth	285mm
Clearances	
Above flue	30mm*
Left	2.5mm
Right	2.5mm
Below	200mm
Front	15mm**

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

**15mm 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

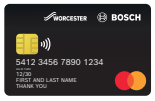
Max DHW output (kW)	Flow rate (l/min)		CH output (kW)		Part no.
	ΔT 40ºC#	ΔT 35ºC^			
Greenstar 1000 24kW combi					
24	8.5	9.8	5.2 to 24	NG	7 736 902 178
Greenstar 1000 30kW combi					
30	10.8	12	6.4 to 24	NG	7 736 902 179

^35ºC – Designed operational flow rate.

#40ºC – Values for Worcester Bosch comparisons.

We've launched our NEW LPG conversion kit accessory allowing LPG installers to quickly and simply covert the Greenstar 1000 combi natural gas boiler to LPG.

Greenstar 1000 24kW LPG Conversion Kit	7 724 002 660
Greenstar 1000 30kW LPG Conversion Kit	7 724 002 662



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths inc. terminal (mm)		
Diameter	Direction	Greenstar 1000 series
100mm	Horizontal	9,000
	Vertical	9,000
125mm	Horizontal	12,000
	Vertical	12,000

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

For details of flue components, see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	ErP water heating efficiency class††	ErP Hot Water Efficiency
Greenstar 1000 24kW combi			
26.0kg	A / 93%	A	84.0%
Greenstar 1000 30kW combi			
26.0kg	A / 93%	A	84.0%

††Declared load profile XL

See page 46 for relevant accessories.

Proud to be recommended by Which? for 16 years.

5 Year Guarantee†

†Available as standard to both Loyalty Programme members and non-WAI's, when fitted with any brand of system filter. Terms and conditions apply. See page 2 for more information.

Greenstar CDi Compact combi

Compact home comfort



A
A+++ → G

A
A+ → G

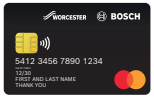
Dimensions	
Width	390mm
Height	690mm
Depth	280mm
Clearances	
Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

**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) ΔT 40ºC^	Flow rate (l/min) ΔT 35ºC#	CH output (kW)	Part no.
Greenstar 28CDi Compact combi				
28	10	11.4	7.03 to 24	NG 7 733 600 054
				LPG 7 733 600 057
Greenstar 32CDi Compact combi				
32	11	13.1	7.03 to 24	NG 7 733 600 055
				LPG 7 733 600 058
Greenstar 36CDi Compact combi				
36	13	15	7.03 to 24	NG 7 733 600 056
				LPG 7 733 600 059

^40ºC – Designed operational flow rate. #35ºC – Values for industry comparisons.



Collect loyalty points for every 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 90º flue bend deduct 2,000mm and 1,000mm for every 45º flue bend.

For details of flue components, see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	ErP water heating efficiency class††	SAP efficiency – NG	SAP comparative hot water efficiency
Greenstar 28CDi Compact combi				
32.9kg	A / 94%	A	89.8%	74.9%
Greenstar 32CDi Compact combi				
32.9kg	A / 94%	A	89.8%	75.0%
Greenstar 36CDi Compact combi				
32.9kg	A / 94%	A	89.8%	74.7%

††Declared load profile XL

For details of compatible controls see pages 39-41. See page 46 for relevant accessories.

Proud to be recommended by Which? for 16 years.

You can offer up to a 10 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar 8000 F combi

Ultra-powerful heating



A
A+++ → G

A
A+ → G

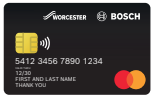
Dimensions	
Width	600mm
Height	850mm
Depth	600mm
Clearances	
Above	15mm*
Left	5mm
Right	5mm
Front	25mm**

*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 (l/min) ΔT 40ºC^	Flow rate (l/min) ΔT 35ºC#	CH output (kW)	Part no.
Greenstar 8000 F 35kW combi				
34.4	12	14.2	5.1 to 33.8	NG 7 731 600 297
				LPG 7 731 600 298
Greenstar 8000 F 50kW combi				
48.9	17	19.8	6.3 to 47.8^^	NG 7 731 600 299
				LPG 7 731 600 300

^40ºC – Designed operational flow rate. #35ºC – Values for industry comparisons.
^^Heating systems that exceed 35kW will require a low loss header and secondary pump sized to accommodate the heating system.



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths inc. terminal (mm)		
Diameter	Direction	Greenstar 8000 F combi
100mm	Horizontal	4,000
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

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

For details of flue components see page 55.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	ErP water heating efficiency class††
Greenstar 8000 F 35kW combi		
73.2kg	A / 92%	A / 82%
Greenstar 8000 F 50kW combi		
79.6kg	A / 93%	A / 82%

††Declared load profile XL

For details of compatible controls see pages 34-37. See page 46 for relevant accessories.

Proud to be recommended by Which? for 16 years.

You can offer up to a 10 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar 8000+ system

The big-time boiler



A

A+++ → G

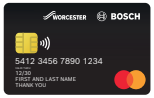
Dimensions	
Width	440mm
Height	780mm
Depth	365mm
Clearances	
Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*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.	
Greenstar 8000+ 30kW system		
3.0 to 30.2	NG	7 736 702 590
	LPG	7 736 702 597
Greenstar 8000+ 35kW system		
5.1 to 34.4	NG	7 736 702 591
	LPG	7 736 702 598

System boilers using Worcester Bosch 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 for every 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 90º flue bend deduct 1,500mm and 500mm for every 45º flue bend.

For details of flue components, including flues see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency – NG
Greenstar 8000+ 30kW system		
42kg††	A / 94%	89.6%
Greenstar 8000+ 35kW system		
42kg††	A / 94%	89.6%

††Without front and side panels.

For details of compatible controls see pages 34-38. See page 46 for relevant accessories.

Stamped with the seal of approval from the experts at GoodHomes.

You can offer up to a 12 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar 4000 system

Super quiet powerhouse



A

A+++ → G

Dimensions	
Width	400mm
Height	724mm*
Depth	310mm
Clearances	
Above flue	30mm**
Left	5mm
Right	5mm
Below	186mm
Front	20mm***

*Side panel height= 710mm. boiler valves fully enclosed and hidden from vision.
** Distance above cabinet for cleaning when vertical flues are used.
***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

CH output (kW)	Part no.	
Greenstar 4000 12kW system		
1.9 to 12	NG	7 733 600 377
	LPG	7 733 600 378
Greenstar 4000 15kW system		
1.9 to 15	NG	7 733 600 379
	LPG	7 733 600 380
Greenstar 4000 18kW system		
3 to 18	NG	7 733 600 381
	LPG	7 733 600 382
Greenstar 4000 21kW system		
3 to 21	NG	7 733 600 383
	LPG	7 733 600 384
Greenstar 4000 24kW system		
3 to 24	NG	7 733 600 385
	LPG	7 733 600 386

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 – 12 to 24kW	7 733 601 251

Flue lengths

Maximum flue lengths inc. terminal (mm)			
Diameter	Direction	4000 12-15kW	4000 18-24kW
100mm	Horizontal	16,000	12,000
	Vertical	16,000	12,000
125mm	Horizontal	20,000	21,000
	Vertical	20,000	21,000

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

For details of flue components, see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency – NG
Greenstar 4000 12kW system		
30.6kg	A / 94%	89.8%
Greenstar 4000 15kW system		
30.6kg	A / 94%	89.8%
Greenstar 4000 18kW system		
30.6kg	A / 94%	89.5%
Greenstar 4000 21kW system		
30.6kg	A / 94%	89.6%
Greenstar 4000 24kW system		
30.6kg	A / 94%	89.4%

QUIET MARK

Quiet Mark certified - another reason to promote and recommend the Greenstar 4000.

Up to 10 Years Guarantee*

You can offer up to a 10 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar i System Compact

Small but mighty



A

A+++ → G

Dimensions	
Width	390mm
Height	690mm
Depth	280mm
Clearances	
Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

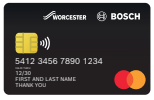
*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments. 450mm front clearance to a fixed surface is permitted if a) 300mm clearance on one side is guaranteed b) the bottom of the boiler is between 1000mm and 1500mm 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.	
Greenstar i System Compact 27kW		
7.03 to 27	NG	7 733 600 060
	LPG	7 733 600 061
Greenstar i System Compact 30kW		
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 for every 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**	**i System Compact 27kW - 30kW**
100mm	Horizontal	6,000
	Vertical	6,000
125mm	Horizontal	15,000
	Vertical	15,000

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

For details of flue components, see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency – NG
Greenstar i System Compact 27kW		
27.3kg	A / 92%	89.0%
Greenstar i System Compact 30kW		
27.3kg	A / 92%	89.0%

For details of compatible controls see pages 39-41. See page 46 for relevant accessories.

Up to 10 Years Guarantee*

You can offer up to a 10 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar 8000+ regular

The big-time boiler



A

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.	
Greenstar 8000+ 30kW regular		
3.0 to 30.2	NG	7 736 702 592
	LPG	7 736 702 599
Greenstar 8000+ 35kW regular		
5.1 to 34.4	NG	7 736 702 593
	LPG	7 736 702 600
Greenstar 8000+ 40kW regular		
5.1 to 40.8	NG	7 736 702 594
	LPG	7 736 702 601
Greenstar 8000+ 45kW regular		
6.3 to 43.5	NG	7 736 702 595
	LPG	7 736 702 602
Greenstar 8000+ 50kW regular		
6.3 to 48.9	NG	7 736 702 596
	LPG	7 736 702 603

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 90º flue bend deduct 1,500mm and 500mm for every 45º flue bend.

For details of flue components, see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency – NG
Greenstar 8000+ 30kW regular		
34kg††	A / 94%	89.6%
Greenstar 8000+ 35kW regular		
34kg††	A / 94%	89.6%
Greenstar 8000+ 40kW regular		
34kg††	A / 94%	89.6%
Greenstar 8000+ 45kW regular		
37kg††	A / 94%	89.8%
Greenstar 8000+ 50kW regular		
37kg††	A / 94%	89.8%

††Without front and side panels.

GoodHomes Approved

Stamped with the seal of approval from the experts at GoodHomes.

Up to 12 Years Guarantee*

You can offer up to a 12 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar Ri regular

Cupboard-sized comfort



A
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. 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.	
Greenstar Ri 12kW regular		
3.45 to 12	NG	7 733 600 307
	LPG	7 733 600 301
Greenstar Ri 15kW regular		
4.62 to 15	NG	7 733 600 308
	LPG	7 733 600 302
Greenstar Ri 18kW regular		
5.54 to 18	NG	7 733 600 309
	LPG	7 733 600 303
Greenstar Ri 21kW regular		
7.38 to 21	NG	7 733 600 310
	LPG	7 733 600 304
Greenstar Ri 24kW regular		
7.38 to 24	NG	7 733 600 311
	LPG	7 733 600 305

Flue lengths

Maximum flue lengths inc. terminal (mm)		
Diameter	**Direction**	**Ri 12kW - 24kW regular**
100mm	Horizontal	4,600
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

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

For details of flue components, see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency – NG
Greenstar Ri 12kW regular		
22.6kg	A / 92%	89.1%
Greenstar Ri 15kW regular		
22.6kg	A / 92%	88.9%
Greenstar Ri 18kW regular		
22.6kg	A / 92%	88.9%
Greenstar Ri 21kW regular		
22.6kg	A / 92%	88.7%
Greenstar Ri 24kW regular		
22.6kg	A / 92%	88.7%

See page 46 for relevant accessories.

Stamped with the seal of approval from the experts at GoodHomes.

You can offer up to a 10 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar Ri Compact regular

Cupboard-sized comfort



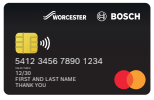
A
A+++ → G

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.	
Greenstar Ri Compact 27kW regular		
7.03 to 27	NG	7 733 600 064
	LPG	7 733 600 065
Greenstar Ri Compact 30kW regular		
7.03 to 30	NG	7 733 600 066
	LPG	7 733 600 067



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths inc. terminal (mm)		
Diameter	**Direction**	**Ri Compact 27kW - 30kW regular**
100mm	Horizontal	6,000
	Vertical	6,000
125mm	Horizontal	15,000
	Vertical	15,000

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

For details of flue components, see page 54.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency – NG
Greenstar Ri Compact 27kW regular		
22.7kg	A / 92%	89.0%
Greenstar Ri Compact 30kW regular		
22.7kg	A / 93%	89.0%

For details of compatible controls see pages 39-41.

See page 46 for relevant accessories.

GoodHomes Approved

Stamped with the seal of approval from the experts at GoodHomes.

Up to 10 Years Guarantee*

You can offer up to a 10 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar 8000 F regular

Ultra-powerful heating



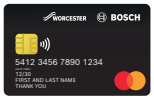
A
A+++ → G

Dimensions	
Width	400mm
Height	850mm
Depth	600mm
Clearances	
Above	15mm
Left	5mm
Right	5mm
Front	25mm*

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

Models and outputs

CH output (kW)	Part no.	
Greenstar 8000 F 35kW regular		
5.1 to 34.4	NG	7 731 600 301
	LPG	7 731 600 302
Greenstar 8000 F 50kW regular		
6.3 to 47.8	NG	7 731 600 303
	LPG	7 731 600 304



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths inc. terminal (mm)		
Diameter	**Direction**	**Greenstar 8000 F 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 90º flue bend deduct 1,500mm and 750mm for every 45º flue bend. 80/125mm – for every 90º flue bend deduct 2,000mm and 1,000mm for every 45º flue bend.

For details of flue components see page 55.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class
Greenstar 8000 F 35kW regular	
55.1kg	A / 93%
Greenstar 8000 F 50kW regular	
57.4kg	A / 93%

See page 46 for relevant accessories.

Up to 10 Years Guarantee*

You can offer up to a 10 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Boiler Plus legislation made easy

Boiler Plus standards aim to improve home energy efficiency by providing greater choice, control, and savings on energy bills.

The standard is set to make timers and room thermostats a must-have for all gas and oil systems, giving consumers the power to achieve the greatest comfort in the home.

When a gas combination boiler is installed, an additional energy efficiency measure is required. This requirement is designed to be flexible, allowing a suitable choice to be made that reflects the diverse nature of the housing stock, and the needs of the household. The energy saving technologies that can be used to comply are:

- Load Compensation
- Weather Compensation
- Smart controls featuring automation and optimisation functions
- Flue gas heat recovery systems

Rest assured, we've got you covered.

Gas boiler	Boiler Plus ready control
8000+ 8000+ Style	Bosch EasyControl & RF Key Greenstar Comfort+ I RF Greenstar Comfort+ II RF Bosch CR400
4000	Bosch EasyControl & RF Key Greenstar Comfort+ I RF Greenstar Comfort+ II RF Bosch CR400
CDi Compact	Bosch EasyControl Greenstar Comfort I Greenstar Comfort II Bosch CR400 MT10 & Bosch CR11
2000	Bosch EasyControl & RF Key Greenstar Comfort+ II RF Bosch CR400
1000	Bosch EasyControl Bosch CR400



1000, 2000, 4000, 8000+ and 8000 F controls

Controls on pages 34-38 are compatible with our combi boilers unless stated otherwise. These controls are also compatible with our 4000 and 8000+ system boilers when used with an integral diverter valve.

Bosch EasyControl
Smart internet-connected controller
Part no. 7 736 701 341 (white)
Part no. 7 736 701 392 (black)

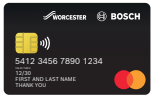
Wireless Bosch EasyControl
Bosch EasyControl RF Key
Part no. 7 738 113 610

- Enables wireless connection between the control and the boiler.
- Not compatible with the 1000 boiler.

Bosch EasyControl Stand
Part no. 7 736 701 576

- Used in conjunction with EasyControl and RF Key.
- Not compatible with the 1000 boiler.





Collect loyalty points for every installation

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.

Individual Smart TRV
Part no. 7 736 701 575

- 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)

BOILER PLUS READY
+5%

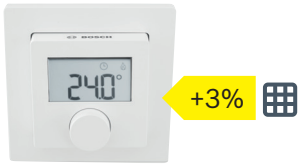
Bosch Smart Individual Room Thermostat
Part no. 8 750 001 003 (230V)
Part no. 8 750 001 004 (24V)



- Offer multi-zone control in combination with the EasyControl, for systems with radiators and/or water-based underfloor heating.
- Control the temperature on the device or remotely via the Bosch EasyControl app.
- Flexible time schedules can be set, via the app, to individual rooms or areas e.g. upstairs and downstairs.

Bosch CR11

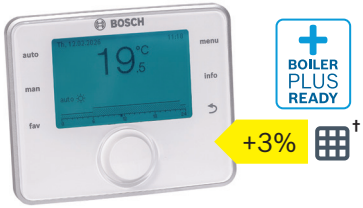
Part no. 7 738 112 963



- 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.
- Perfect when replacing an existing, less efficient wired room thermostat.

Bosch CR400

Part no. 7 738 114 081



- 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.

^Outdoor weather sensor sold separately.
†4% when installed via a BUS connection & weather compensation mode enabled.

Up to 12 Years Guarantee*

Up to a 12 year guarantee. Our controls range will match the Worcester Bosch boiler that it is installed with*.

*Terms and conditions apply.

Greenstar Comfort+ controls

Greenstar Comfort+ I RF

Part no. 7 738 112 323



- Compatible with the 4000, 8000+ and 8000 F boilers.
- Pre-paired wireless room thermostat and RF key receiver.
- Load compensation for enhanced efficiency.
- Plug and play installation.

Greenstar Comfort+ II RF

Part no. 7 738 112 324



All the features of Greenstar Comfort+I RF 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.
- Compatible with our Comfort+ Wireless Outdoor Weather Sensor (Part no. 7 738 112 343). Boosts the heating system's ErP rating by an extra +1% compared to standalone Comfort+ II.
- Not compatible with the 1000 boiler.

Wiring modules

Greenstar Wiring Centre

Part no. 7 738 110 116



MS100 and MS200 intelligent solar module

MS100 Part no. 7 738 110 144

MS200 Part no. 7 738 110 146

- 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 CR400. MS200 unit allows integration of more complex solar heating systems, including east / west split or swimming pools.

Weather sensors

Wired outdoor weather sensor

Part no. 7 716 192 764

Comfort+ wireless outdoor weather sensor (for Greenstar Comfort+ II only)

Part no. 7 738 112 343

CDi Compact and i System Compact controls

Controls on pages 39 to 41 are compatible with our CDi Compact and, when used with an integral diverter valve, our i System Compact boilers.

Bosch EasyControl
Smart internet-connected controller

Bosch EasyControl controller

Part no. 7 736 701 341 (white)

Part no. 7 736 701 392 (black)



BOILER PLUS READY

+4%

- 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 TRV set

Part no. 7 736 701 555
(1 white EasyControl, 3 Smart TRVs)

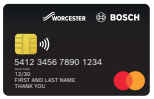
Part no. 7 736 701 556
(1 black EasyControl, 3 Smart TRVs)

BOILER PLUS READY

+5%

Bosch EasyControl Adapter

Part no. 7 736 701 560



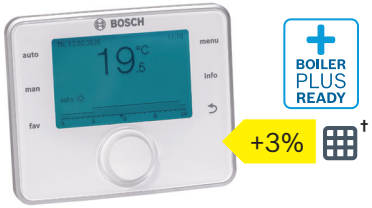
Collect loyalty points for every installation

Bosch CR11
Part no. 7 738 112 963



- Load compensation feature for increased efficiency.
- Boiler output automatically adjusted to precisely meet the heat demand of the property at maximum efficiency.
- Easy to handover to the end user; no reliance on batteries.

Bosch CR400
Part no. 7 738 114 081



- Intelligently interacts with the boiler to provide weather compensation via a wired outdoor sensor^.
- Displays the amount of energy recovered from a solar system.
- Service reminder function.

Mechanical timer for combi boilers

MT10 mechanical timer*
Part no. 7 716 192 036



†4% saving is achieved when installed as a room thermostat; 2% when installed in the boiler fascia.
*This control will not provide hot water pre-heat time control when installed with a combi boiler.
^Outdoor weather sensor sold separately.

Greenstar Comfort I RF wireless room thermostat and plug-in twin channel programmer
Part no. 7 733 600 001



- 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



All the features of Comfort I while also including:

- 6 adjustable heating temperatures per day.
- Set programme at the room thermostat.
- Remote access to boiler diagnostic codes.
- Compatible with the Ri Compact when fitted with the Greenstar Wiring Centre (7 738 110 116).

Comfort wall plate kit
Part no. 7 733 600 039

Weather sensors

Wired outdoor weather sensor
Part no. 7 716 192 764

Gas boiler control matrix

Greenstar controls

CONTROL	Part no.	ErP class	% system efficiency gain		Gas-fired boilers: COMBI: 8000+, 8000+ STYLE & 4000	COMBI: CDi COMPACT	COMBI: 2000	COMBI: 1000	COMBI: 8000 F	SYSTEM^: 8000+ & 4000	SYSTEM^: i SYSTEM COMPACT	SYSTEM^: CONDENS 7000 WP	REG*: 8000+	REG*: 8000 F	REG*: Ri COMPACT
Mechanical timers															
MT10 Mechanical Timer	7 716 192 036	–	–			✔									
Digital and wireless programmers and room thermostats															
Greenstar Comfort I RF	7 733 600 001	V	3			✔					✔				
Greenstar Comfort II RF	7 733 600 002	V	3			✔					✔				✔
Greenstar Comfort+ I RF	7 738 112 323	V	3		✔				✔	✔			✔	✔	
Greenstar Comfort+ II RF	7 738 112 324	V	3		✔		✔		✔	✔			✔	✔	
Advanced intelligent controls															
Bosch CR11**	7 738 112 963	V	3		✔	✔	✔	✔	✔	✔	✔	✔[1]			
Bosch CR400	7 738 114 081	V	3†		✔	✔	✔	✔	✔	✔	✔	✔[1]			
Weather sensors															
Outdoor Weather Sensor	7 716 192 764	II	2		✔	✔	✔	✔	✔	✔	✔	✔[1]			
Comfort+ Wireless Outdoor Weather Sensor††	7 738 112 343	VI	4††		✔		✔		✔	✔					
Wiring modules															
MS100 Intelligent Solar Module MS200 Intelligent Solar Module	7 738 110 144 7 738 110 146	–	–							✔		✔[1]			
Greenstar Wiring Centre	7 738 110 116	–	–		✔[2]		✔[2]		✔[2]	✔[2]			✔[2]	✔[2]	✔

†4% when installed via a BUS connection & weather compensation mode enabled;

* With optional wiring centre (Part no. 7 738 110 116).

**Must be used with external 230v timer or MT10.

^ With optional integral diverter valve.

††In combination with the Greenstar Comfort+ II RF & weather compensation mode enabled.

[1] When installed with a single boiler. The CR11 and CR400 can be installed in a cascade when installed with a MC400

[2] When installed with a Greenstar Comfort+ II.

Gas boiler control matrix

Bosch EasyControl

CONTROL	Part no.	ErP class	% system efficiency gain		Gas-fired boilers: COMBI: 8000+, 8000+ STYLE & 4000	COMBI: CDi COMPACT	COMBI: 2000	COMBI: 1000	COMBI: 8000 F	SYSTEM: 8000+ & 4000	SYSTEM: i SYSTEM COMPACT	REGULAR: 8000+	REGULAR: 8000 F	REGULAR: Ri COMPACT
Smart controls														
EasyControl – White	7 736 701 341	VI	4†		✔	✔	✔	✔	✔	✔ [2]	✔ [2]	✔ [1]	✔ [1]	✔ [1]
EasyControl – Black	7 736 701 392	VI	4†		✔	✔	✔	✔	✔	✔ [2]	✔ [2]	✔ [1]	✔ [1]	✔ [1]
EasyControl RF Key	7 738 113 610	–	–		✔		✔		✔	✔		✔	✔	
EasyControl Table Stand	7 736 701 576	–	–		✔		✔		✔	✔		✔	✔	
EasyControl and 3x Smart TRV set – White	7 736 701 555	VIII	5†		✔	✔	✔	✔	✔	✔ [2]	✔ [2]	✔ [1]	✔ [1]	✔ [1]
EasyControl and 3x Smart TRV set – Black	7 736 701 556	VIII	5†		✔	✔	✔	✔	✔	✔ [2]	✔ [2]	✔ [1]	✔ [1]	✔ [1]
Individual Smart TRV	7 736 701 575	–	–		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Smart Individual Room Thermostat (230V)	8 750 001 003	–	–		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Smart Individual Room Thermostat (24V)	8 750 001 004	–	–		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
EasyControl Adapter	7 736 701 560	–	–							✔	✔	✔	✔	✔

†4% when installed via a BUS connection or EasyControl RF Key and with weather compensation mode enabled;
5% when installed via a BUS connection or EasyControl RF Key and with 3 or more smart radiator thermostats installed in the system.

[1] When installed with an EasyControl Adapter to control a single heating channel.

[2] 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.

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

Accessories



Greenstar System Filter Range
Part no. 7 733 600 266 (22mm mini)
7 733 600 236 (22mm)
7 733 600 237 (28mm)

- **Isolation valve indicators**

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



Bosch System Filter Micro (22mm)
Part no. 7 724 002 036

- Engineered for easy installation onto our Greenstar 1000 and 2000 boilers.
- Compact design for tight installations.



Greenstar Intelligent Filling System*
Part no. 7 738 112 911

- Compatible with Greenstar 4000 and 8000+ range combi boilers.

Greenstar 8000 F Intelligent Filling System*
Part no. 7 724 001 982

- Compatible with Greenstar 8000 F combi boilers.



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.

*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 1.5 bar standing pressure.



Greenstar 1000 LPG Conversion Kits

Greenstar 1000 24kW LPG Conversion Kit 7 724 002 660
Greenstar 1000 30kW LPG Conversion Kit 7 724 002 662

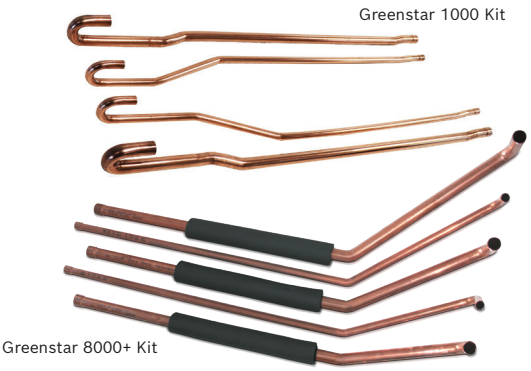
Our NEW LPG conversion kits allow LPG installers to quickly and simply covert the Greenstar 1000 combi natural gas boiler to LPG.



Greenstar 4000 SimpleSwitch flue adaptor (60/100mm)

Part no. 7 733 601 245

This adaptor allows you to use the same vertical or horizontal sideways flue run hole through the external wall of the property when replacing an i Junior or Si boiler.

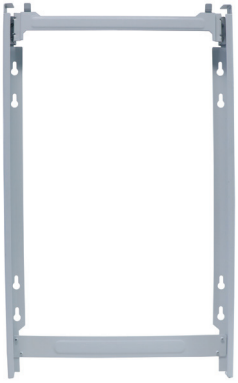


Vertical Pre-piping Assembly Kits

Part no. 7 736 902 627 (1000)
Part no. 7 716 192 607 (8000+ Style, 8000+ combi & system)
Part no. 7 733 601 250* (CDi Compact, 4000 combi, 4000 System and i System Compact).

Our Vertical Pre-piping Assembly Kits come pre-bent with swaged ends for easy soldering. This can save you approximately 30 minutes on installation time. Gas pipe and sleeves not included in 7 733 601 250.

*i System Compact includes two 15mm copper pipes for use with an optional diverter valve.



Rear Spacer Frames

Part no. 7 736 902 620 (1000)
Part no. 7 736 902 361 (2000)

Our Rear Spacer Frames allow for wall mounting with space behind the boiler for vertical piping, leading to a quicker and neater installation.

Gas System Care Packs

All of our System Care Packs come with a system filter that unlocks an extended guarantee* across our full range of gas boilers. You'll also get a handy set of accessories to make installation and servicing quicker and easier.



Wireless Bosch EasyControl System Care Pack

Part no. 7 733 600 433

- Bosch EasyControl (white) & EasyControl RF Key
- EasyControl Table Stand
- Greenstar Mini System Filter (22mm)
- Greenstar WB1 Inhibitor 265ml Bottle
- Greenstar WB3 Cleaner 265ml Bottle

Suitable for our Greenstar 2000, 4000 and 8000+ range boilers.

See pages 42-45 for additional accessories needed with our controls when fitted with our system and regular boilers.



Greenstar Comfort+ II RF System Care Pack

Part no. 7 733 600 401

- Greenstar Comfort+ II RF & Key
- Greenstar Mini System Filter (22mm)
- Worcester Keyless Filling Link
- Greenstar WB1 Inhibitor 265ml Bottle
- Greenstar WB3 Cleaner 265ml Bottle

Greenstar Comfort+ II suitable for our Greenstar 2000, 4000 and 8000+ range boilers.

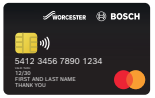


Greenstar Comfort II RF System Care Pack

Part no. 7 733 601 214

- Greenstar Comfort II RF & Receiver
- Greenstar Mini System Filter (22mm)
- Worcester Keyless Filling Link
- Greenstar WB1 Inhibitor 265ml Bottle
- Greenstar WB3 Cleaner 265ml Bottle

Suitable for our Greenstar CDi compact.



Collect loyalty points for every installation

*Terms and conditions apply. System Care Packs not suitable for oil boilers.

Gas accessories

Accessories' compatibility Gas boilers

Accessory	Part no.	Gas-fired boilers: COMBI: 8000+ & 8000+ STYLE	COMBI: CDi COMPACT	COMBI: 4000	COMBI: 2000	COMBI: 1000	COMBI: 8000 F	SYSTEM: 8000+	SYSTEM: i SYSTEM COMPACT	SYSTEM: 4000	REGULAR: 8000+	REGULAR: Ri	REGULAR: 8000 F
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	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Bosch System Filter Micro (22mm)	7 724 002 036	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Worcester Keyless Filling Link#	7 716 192 610	✔ #	✔	✔	✔								
Greenstar Intelligent Filling System	7 738 112 911	✔		✔									
Greenstar 8000 F Intelligent Filling System	7 724 001 982						✔						
Greenstar Low Loss Header	7 716 192 614	✔					✔	✔	✔		✔	✔	✔
DHW Pre-heat Kit (2000)	7 736 902 372				✔								
DHW Pre-heat Kit (4000)	7 733 601 289			✔									
DHW Pre-heat Accessory (8000+ range)	7 738 113 072	✔											
DHW Solar Pre-heat Accessory (8000 F)	7 724 001 983						✔						
DHW Pre-heat Accessory (CDi Compact)	7 716 192 735		✔										
Greenstar 1000 24kW LPG Conversion Kit	7 724 002 660					✔							
Greenstar 1000 30kW LPG Conversion Kit	7 724 002 662					✔							
Kits and Earth Bonding Strip													
Low NOx code plug 25kW NG (2000)	7 736 902 357				✔								
Low NOx code plug 30kW NG (2000)	7 736 902 355				✔								
Low NOx code plug 25kW NG (4000 combi)	7 733 601 312			✔									
Low NOx code plug 30kW NG (4000 combi)	7 733 601 313			✔									
Vertical pre-piping assembly kit (8000+ range)	7 716 192 607	✔						✔					
Vertical pre-piping assembly kit*	7 733 601 250		✔	✔					✔	✔			
Vertical pre-piping assembly kit (1000)	7 736 902 627					✔							
Earth Bonding Strip	7 733 601 316	✔	✔	✔			✔**	✔	✔	✔	✔		✔**
Remote PRV Kit	7 733 601 314		✔	✔	✔	✔	✔	✔	✔	✔			
Remote PRV Kit (8000+ range)	7 738 112 910	✔						✔					
Rear Spacer Frame (1000)	7 736 902 620					✔							
Rear Spacer Frame (2000)	7 736 902 361				✔								
Heat Exchanger Cleaning Kit	7 733 600 091			✔	✔					✔		✔	
C6 Cleaning Kit	7 738 113 398			✔	✔					✔		✔	
C6 Cleaning Kit Brush Set Replacements (5x)	7 738 113 221			✔	✔					✔		✔	

* When used with a Greenstar 4000 and i System Compact boilers, the two 15mm pipes are best used in conjunction with optional diverter valve kits.

**Comes as standard

#Comes as standard with Greenstar 8000+ combi.

Wall-hung boiler flues

Condensfit II™

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
	7 716 191 177	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 (890mm)
	7 733 600 298	Horizontal fixed flue kit (1050mm)
	7 733 601 245	4000 SimpleSwitch 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

Gas floor-standing boiler flues

80mm diameter		
	7 724 002 113	Greenstar 8000 F Flue Kit 80mm Flexible 12m

100mm diameter		
	7 724 001 996	Greenstar 8000 F Flue Kit 60/100 Horizontal
	7 724 001 997	Greenstar 8000 F Flue Kit 60/100 Vertical
	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
	7 733 601 590	Greenstar 8000 F Flue Connector 60/100 Vertical
	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.)

125mm diameter		
	7 724 001 998	Greenstar 8000 F Flue Kit 80/125 Horizontal
	7 724 001 999	Greenstar 8000 F Flue Kit 80/125 Vertical
	7 719 003 666	Extension flue kit (960mm)
	7 719 003 664	90° flue bend
	7 719 003 665	45° flue bend
	7 733 601 598	Greenstar 8000 F Flue Connector 80/125 Vertical
	7 716 191 179	Support bracket kit
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof

Condensfit II FLOOR STANDING

Gas 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 pluming 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 58)

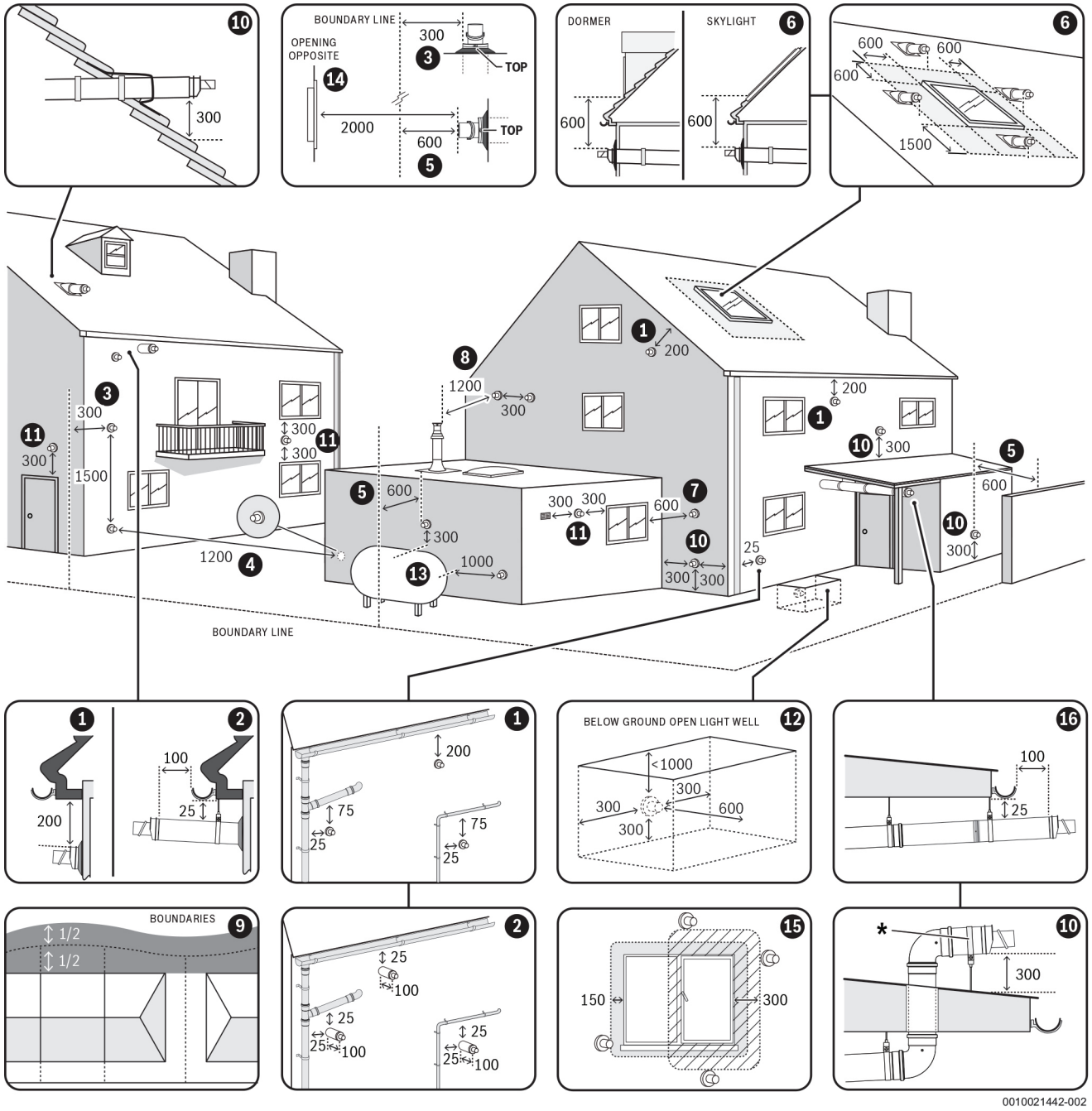
1. 200mm below eaves and 75mm below gutters, pipe and drains.
2. The dimension below eaves, gutters, pipes and drains can be reduced to 25mm, as long as the flue terminal is extended by 100mm past any overhang. The telescopic flue joint must be sealed with suitable silicone sealant if it is external 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 manufactured 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 by 100mm past any overhang. The telescopic flue joint of the terminal must be sealed with suitable silicon sealant if it is external to the building.

Gas boiler flues

Gas horizontal flue terminal positions

All measurements in millimetres



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	90º Bend
	7 716 191 089	45º Bend (pair)
	7 716 191 176	Plume management terminal guard round
	8 716 111 2750	Plume management clamp

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

Key to illustration – vertical flue terminal positions (see page 62)

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.

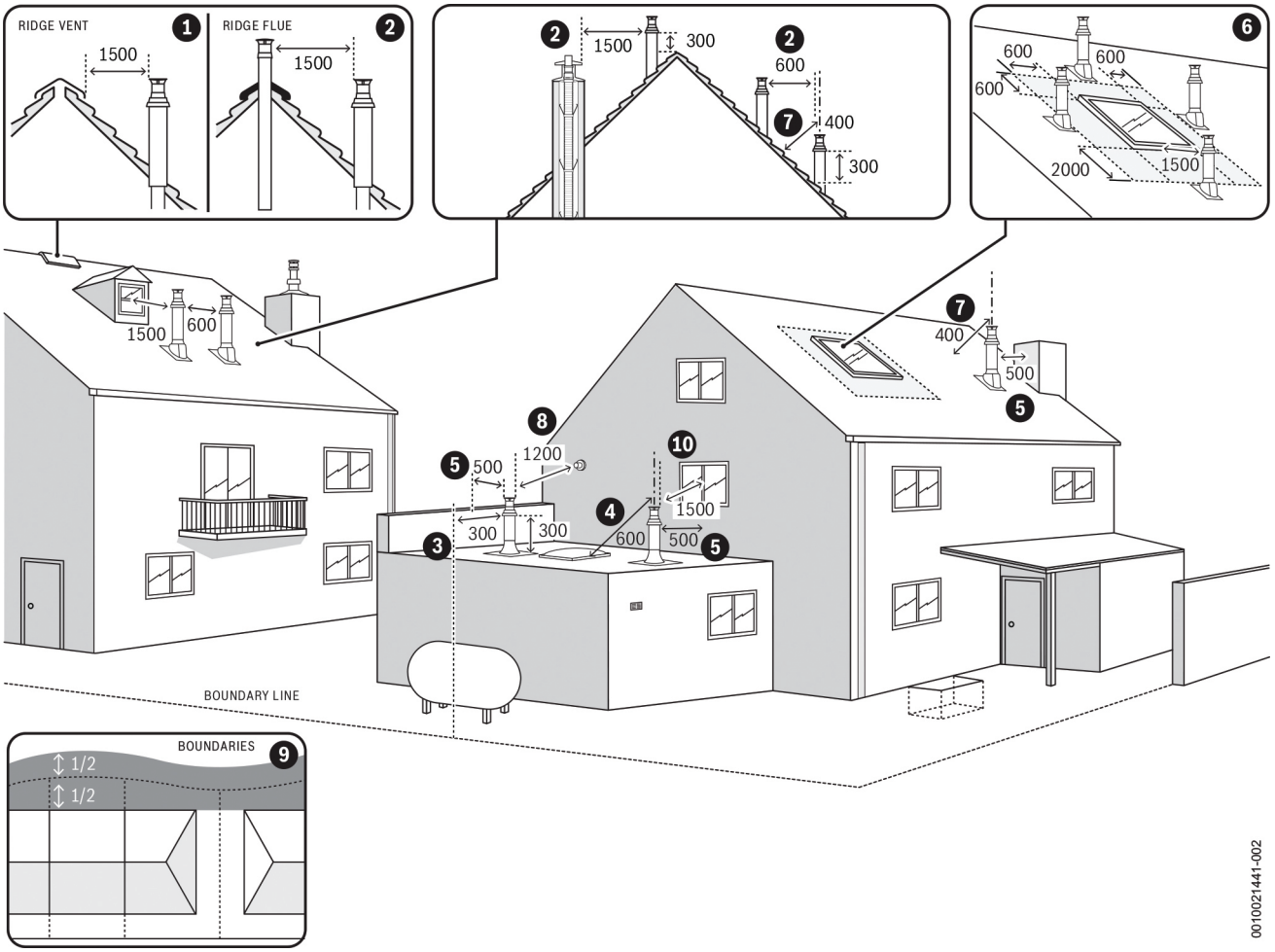
Note

- **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.**

Gas boiler flues

Gas vertical flue terminal positions

All measurements in millimetres



Gas SAP codes

Combi Boilers CDi Compact (Natural Gas)	SAP Index
Greenstar 28CDi Compact ErP	017511
Greenstar 32CDi Compact ErP	017513
Greenstar 36CDi Compact ErP	017515

Combi Boilers CDi Compact (LPG)	SAP Index
Greenstar 28CDi Compact ErP LPG	017510
Greenstar 32CDi Compact ErP LPG	017512
Greenstar 36CDi Compact ErP LPG	017514

System Boilers 4000 (Natural Gas)	SAP Index
Greenstar 4000 12kW System ErP	018913
Greenstar 4000 15kW System ErP	018912
Greenstar 4000 18kW System ErP	018911
Greenstar 4000 21kW System ErP	018910
Greenstar 4000 24kW System ErP	018909

System Boilers 4000 (LPG)	SAP Index
Greenstar 4000 12kW System ErP LPG	018922
Greenstar 4000 15kW System ErP LPG	018921
Greenstar 4000 18kW System ErP LPG	018920
Greenstar 4000 21kW System ErP LPG	018919
Greenstar 4000 24kW System ErP LPG	018918

Gas boiler SAP codes

Heat Only Boilers Ri & Ri Compact (Natural Gas)	SAP Index
Greenstar 12Ri ErP+	018431
Greenstar 15Ri ErP+	018432
Greenstar 18Ri ErP+	018433
Greenstar 21Ri ErP+	018434
Greenstar 24Ri ErP+	018435
Greenstar 27Ri Compact ErP	017496
Greenstar 30Ri Compact ErP	017498

Heat Only Boilers Ri & Ri Compact (LPG)	SAP Index
Greenstar 12Ri ErP+ LPG	018437
Greenstar 15Ri ErP+ LPG	018438
Greenstar 18Ri ErP+ LPG	018439
Greenstar 21Ri ErP+ LPG	018440
Greenstar 24Ri ErP+ LPG	018441
Greenstar 27Ri Compact ErP LPG	017495
Greenstar 30Ri Compact ErP LPG	017497

Greenstar Heatslave II combi

The installer's choice



A
A++ → G

B
A → G

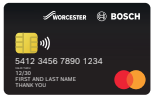
Dimensions	
Width	520mm
Height	855mm
Depth	600mm
Clearances	
Above	300mm^
Left	5mm
Right	5mm
Front	600mm

^Note: Although clearance above the Heatslave range is stated to be 300mm, a removable worktop may be placed directly above the boiler, allowing 10mm clearance.

Models and outputs

Boiler output (kW)	Flow rate (ΔT 40ºC FOR A 90 LITRE DRAW OFF)	Part no.
Greenstar Heatslave II combi 12/18		
12 to 18	15*	7 731 600 260
Greenstar Heatslave II combi 18/25		
18 to 25	18*	7 731 600 261
Greenstar Heatslave II combi 25/32		
25 to 32	22*	7 731 600 262

*Restricted DHW flow rate.



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths (mm)				
Diameter	**Direction**	**12/18**	**18/25**	**25/32**
125mm	High level horizontal	6,000	6,000	6,000
	Rear exit horizontal	6,000	6,000	6,000
	Side exit horizontal	5,000	5,000	5,000
	Vertical	8,000	8,000	8,000
80mm	Plume management	5,000	5,000	4,000

Note: For every 90º flue bend deduct 1,000mm and 500mm for every 45º flue bend. For every 90º plume kit bend deduct 1,000mm and 500mm for every 45º plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when set at 25kW or 28kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.

For details of flue components see page 90.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	ErP water heating efficiency class**	SAP efficiency	water heating energy efficiency
Greenstar Heatslave II combi 12/18				
124kg	A / 92%	B	89.0%	66%
Greenstar Heatslave II combi 18/25				
126kg	A / 92%	B	88.9%	63%
Greenstar Heatslave II combi 25/32				
128kg	A / 92%	B	88.8%	64%

**Declared load profile XL

For details of compatible controls see pages 80-81. See pages 86-87 for relevant accessories.

Up to 7 Years Guarantee*

You can offer up to a 7 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar Heatslave II External combi

Space-saving brilliance



A
A++ → G

B
A → G

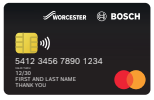
Dimensions	
Width	640mm
Height	950mm
Depth	770mm
Clearances	
Above	600mm
RH/LH flue outlet on opposite side	10mm
RH flue outlet on rear	300mm
LH flue outlet on rear	10mm
Rear = flue outlet on side	50mm
Rear = rear flue outlet	2,500mm
Front	600mm

It is strongly recommended that the flue terminal faces away from walls to reduce the possibility of wetting occurring.

Models and outputs

Boiler output (kW)	Flow rate (ΔT 40ºC FOR A 90 LITRE DRAW OFF)	Part no.
Greenstar Heatslave II External combi 12/18		
12 to 18	15*	7 731 600 263
Greenstar Heatslave II External combi 18/25		
18 to 25	18*	7 731 600 264
Greenstar Heatslave II External combi 25/32		
25 to 32	22*	7 731 600 265

*Restricted DHW flow rate.



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths (mm)				
Diameter	**External kit**	**12/18**	**18/25**	**25/32**
80mm	Plume management	5,000	5,000	4,000

Note: For every 90º flue bend deduct 1,000mm and 500mm for every 45º flue bend. For every 90º plume kit bend deduct 1,000mm and 500mm for every 45º plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when set at 25kW or 28kW.

Boiler comes with standard horizontal flue kit. A 90º bend is required when fluing to the side.

For details of flue components see page 92.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	ErP water heating efficiency class**	SAP efficiency	water heating energy efficiency
Greenstar Heatslave II External combi 12/18				
151kg	A / 92%	B	89.0%	66%
Greenstar Heatslave II External combi 18/25				
154kg	A / 92%	B	88.9%	63%
Greenstar Heatslave II External combi 25/32				
158kg	A / 92%	B	88.8%	64%

**Declared load profile XL

For details of compatible controls see pages 80-81. See pages 86-87 for relevant accessories.

Up to 7 Years Guarantee*

You can offer up to a 7 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar Danesmoor Utility system

The all-round all-star



A

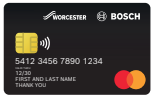
A++ → G

Dimensions	
Width	370mm
Height	855mm
Depth	600mm
Clearances	
Above (annual service)	10mm
Above (maintenance & repair)	300mm
Left	5mm
Right	5mm
Front	600mm

The appliance is suitable for an under-worktop installation providing that the worktop above the boiler (min. 10mm clearance) is removable for maintenance and repair.

Models and outputs

Boiler output (kW)	Part no.
Greenstar Danesmoor Utility system 12/18	
12 to 18	7 731 600 254
Greenstar Danesmoor Utility system 18/25	
18 to 25	7 731 600 255
Greenstar Danesmoor Utility system 25/32	
25 to 32	7 731 600 256



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths (mm)				
Diameter	**Direction**	**12/18**	**18/25**	**25/32**
125mm	High level horizontal	6,000	6,000	6,000
	Rear exit horizontal	6,000	6,000	6,000
	Side exit horizontal	5,000	5,000	5,000
	Vertical	8,000	8,000	8,000
80mm	Plume management	5,000	5,000	4,000

Note: For every 90º flue bend deduct 1,000mm and 500mm for every 45º flue bend. For every 90º plume kit bend deduct 1,000mm and 500mm for every 45º plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when set at 25kW and 28kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.

For details of flue components see page 90.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency
Greenstar Danesmoor Utility system 12/18		
111kg	A / 92%	90.7%
Greenstar Danesmoor Utility system 18/25		
112kg	A / 92%	90.6%
Greenstar Danesmoor Utility system 25/32		
121kg	A / 92%	90.5%

For details of compatible controls see pages 82-83. See pages 86-87 for relevant accessories.

Up to 7 Years Guarantee*

You can offer up to a 7 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar Danesmoor External system

Indoor, outdoor, everywhere



A++ → G

Dimensions	
Width	565mm
Height	950mm
Depth	780mm

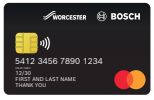
Clearances (Flue orientation from front)			
	Right	Left	Rear
Left	10mm	2,500mm^	50mm
Right	2,500mm	10mm	50mm
Rear	50mm**	50mm**	2,500mm**
Above	600mm	600mm	600mm
Front	600mm	600mm	600mm

^From end of flue terminal allow 2,500mm clearance.
**200mm if using a high level terminal exiting through the rear panel.

It is strongly recommended that the flue terminal faces away from walls to reduce the possibility of wetting occurring.

Models and outputs

Boiler output (kW)	Part no.
Greenstar Danesmoor External system 12/18	
12 to 18	7 731 600 257
Greenstar Danesmoor External system 18/25	
18 to 25	7 731 600 258
Greenstar Danesmoor External system 25/32	
25 to 32	7 731 600 259



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths (mm)				
Diameter	External kit	12/18	18/25	25/32
80mm	Plume management	5,000	5,000	5,000

Note: For every 90º flue bend deduct 1,000mm and 500mm for every 45º flue bend. For every 90º plume kit bend deduct 1,000mm and 500mm for every 45º plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when set at 25kW or 28kW.

For details of flue components see page 92.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency
Greenstar Danesmoor External system 12/18		
119kg	A / 92%	90.7%
Greenstar Danesmoor External system 18/25		
121kg	A / 92%	90.6%
Greenstar Danesmoor External system 25/32		
131kg	A / 92%	90.5%

For details of compatible controls see pages 82-83. See pages 86-87 for relevant accessories.

Up to 7 Years Guarantee*

You can offer up to a 7 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar Danesmoor Utility regular

Ultimate off-grid living



A

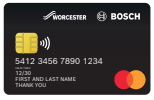
A++ → G

Dimensions	
Width	370mm
Height	855mm
Depth	600mm
Clearances	
Above (annual service)	10mm
Above (maintenance & repair)	300mm
Left	5mm
Right	5mm
Front	600mm

The appliance is suitable for an under-worktop installation providing that the worktop above the boiler (min. 10mm clearance) is removable for maintenance and repair.

Models and outputs

Boiler output (kW)	Part no.
Greenstar Danesmoor Utility regular 12/18	
12 to 18	7 731 600 245
Greenstar Danesmoor Utility regular 18/25	
18 to 25	7 731 600 246
Greenstar Danesmoor Utility regular 25/32	
25 to 32	7 731 600 247



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths (mm)				
Diameter	**Direction**	**12/18**	**18/25**	**25/32**
125mm	High level horizontal	6,000	6,000	6,000
	Rear exit horizontal	6,000	6,000	6,000
	Side exit horizontal	5,000	5,000	5,000
	Vertical	8,000	8,000	8,000
80mm	Plume management	5,000	5,000	4,000

Note: For every 90º flue bend deduct 1,000mm and 500mm for every 45º flue bend. For every 90º plume kit bend deduct 1,000mm and 500mm for every 45º plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when set at 25kW or 28kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.

For details of flue components see page 90.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency
Greenstar Danesmoor Utility regular 12/18		
104kg	A / 92%	90.7%
Greenstar Danesmoor Utility regular 18/25		
108kg	A / 92%	90.6%
Greenstar Danesmoor Utility regular 25/32		
117kg	A / 92%	90.5%

For details of compatible controls see pages 82-83. See pages 86-87 for relevant accessories.

Up to 7 Years Guarantee*

You can offer up to a 7 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar Danesmoor External regular

Indoor, outdoor, everywhere



A

A++ → G

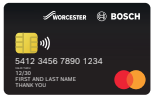
Dimensions	
Width	565mm
Height	950mm
Depth	780mm

Clearances (Flue orientation from front)	Right	Left	Rear
Left	10mm	2,500mm*	50mm
Right	2,500mm	10mm	50mm
Rear	50mm**	50mm**	2,500mm*
Above	600mm	600mm	600mm
Front	600mm	600mm	600mm

*From end of flue terminal allow 2,500mm clearance.
**200mm if using a high level terminal exiting through the rear panel.
It is strongly recommended that the flue terminal faces away from walls to reduce the possibility of wetting occurring.

Models and outputs

Boiler output (kW)	Part no.
Greenstar Danesmoor External regular 12/18	
12 to 18	7 731 600 248
Greenstar Danesmoor External regular 18/25	
18 to 25	7 731 600 249
Greenstar Danesmoor External regular 25/32	
25 to 32	7 731 600 250



Collect loyalty points for every installation

Flue lengths

Maximum flue lengths (mm)				
Diameter	External kit	12/18	18/25	25/32
80mm	Plume management	5,000	5,000	5,000

Note: For every 90º flue bend deduct 1,000mm and 500mm for every 45º flue bend. For every 90º plume kit bend deduct 1,000mm and 500mm for every 45º plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when uprated to 32kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.

For details of flue components see page 92.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency
Greenstar Danesmoor External regular 12/18		
110kg	A / 92%	90.7%
Greenstar Danesmoor External regular 18/25		
114kg	A / 92%	90.6%
Greenstar Danesmoor External regular 25/32		
124kg	A / 92%	90.5%

For details of compatible controls see pages 82-83. See pages 86-87 for relevant accessories.

Up to 7 Years Guarantee*

You can offer up to a 7 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Greenstar Utility Regular

Ultimate off-grid living



A

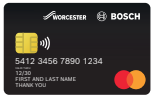
A++ → G

Dimensions	
Width	598mm
Height	1,098mm
Depth	795mm
Clearances	
Above	300mm^
Left	10mm
Right	10mm
Front	600mm

^Note: Although clearance above the Greenstar Utility range is stated to be 300mm, a removable worktop may be placed directly above the boiler, allowing 10mm clearance.

Models and outputs

Boiler output (kW)	Part no.
Greenstar Utility regular 32/50	
32 to 50	7 731 600 266
Greenstar Utility regular 50/70	
50 to 70	7 731 600 267



Collect loyalty points for every installation

Oil regular boilers

Flue lengths

Maximum flue lengths (mm)			
Diameter	**Direction**	**32/50**	**50/70**
150mm	High level horizontal	6,400	6,400
	Rear exit horizontal	6,400	6,400
	Side exit horizontal	4,400	5,400
	Vertical	10,000	10,000

Note: For every 90º flue bend deduct 1,000mm and 500mm for every 45º flue bend.

For details of flue components see page 90.

Model weights and efficiencies

Weight – lift	ErP space heating efficiency class	SAP efficiency
Greenstar Utility regular 32/50		
215kg	A / 91.0%	90.7%
Greenstar Utility regular 50/70		
220kg	A / 91.0%	90.5%

For details of compatible controls see pages 84-85.
See pages 86-87 for relevant accessories.

Up to 7 Years Guarantee*

You can offer up to a 7 year guarantee, when installed with a Greenstar System Filter*. See page 2 for more information.

*Available to Loyalty Programme members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £40. Terms and conditions apply.

Heatslave II Internal and External controls

Bosch EasyControl
Smart internet-connected controller

Bosch EasyControl controller
Part no. 7 736 701 341 (white)
Part no. 7 736 701 392 (black)

BOILER PLUS READY
+1%

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

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)

BOILER PLUS READY
+1%

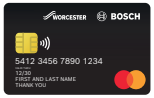
Bosch EasyControl Adapter
Part no. 7 736 701 560

Individual Smart TRV
Part no. 7 736 701 575

- 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.

Bosch Smart Individual Room Thermostat
Part no. 8 750 001 003 (230V)
Part no. 8 750 001 004 (24V)

- Offer multi-zone control in combination with the EasyControl, for systems with radiators and/or water-based underfloor heating.
- Flexible time schedules can be set, via the app, to individual rooms or areas e.g. upstairs and downstairs.



Collect loyalty points for every installation

Greenstar Comfort controls

Greenstar Comfort I RF wireless room thermostat and plug-in twin channel programmer*
Part no. 7 733 600 001



- Enhanced load compensation for increased efficiency.
- Extremely reliable RF signal.
- Simple menu navigation.

Greenstar Comfort II RF wireless programmable room thermostat and plug-in RF receiver*
Part no. 7 733 600 002



All the features of Comfort I while also including:

- 6 adjustable heating temperatures per day.
- Set programme at the room thermostat.

Comfort wall plate kit
Part no. 7 733 600 039

Weather sensors

Wired outdoor weather sensor**
Part no. 7 716 192 764

*Comfort wall plate kit required for Heatslave II External
** Not compatible with Comfort controls

Danesmoor controls

Bosch EasyControl
Smart internet-connected controller
Part no. 7 736 701 341 (white)
Part no. 7 736 701 392 (black)



BOILER PLUS READY

+1%

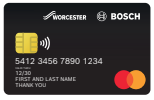
Bosch EasyControl TRV set
Part no. 7 736 701 555
(1 white EasyControl, 3 Smart TRVs)
Part no. 7 736 701 556
(1 black EasyControl, 3 Smart TRVs)

BOILER PLUS READY

+1%

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 for every installation

Individual Smart TRV
Part no. 7 736 701 575



- 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 Smart Individual Room Thermostat
Part no. 8 750 001 003 (230V)
Part no. 8 750 001 004 (24V)



- Offer multi-zone control in combination with the EasyControl, for systems with radiators and/or water-based underfloor heating.
- Control the temperature on the device or remotely via the Bosch EasyControl app.
- Flexible time schedules can be set, via the app, to individual rooms or areas e.g. upstairs and downstairs.

Oil boiler control matrix

Greenstar and Bosch EasyControl

CONTROL	Part no.	ErP class	% system efficiency gain		Oil-fired boilers: COMBI: HEATSLAVE II INTERNAL	COMBI: HEATSLAVE II EXTERNAL	SYSTEM: DANESMOOR UTILITY	SYSTEM: DANESMOOR EXTERNAL	REGULAR: DANESMOOR UTILITY	REGULAR: DANESMOOR EXTERNAL	REGULAR: UTILITY REGULAR
Smart controls											
EasyControl - White†	7 736 701 341	I	1		✔	✔	✔	✔	✔	✔	✔
EasyControl - Black†	7 736 701 392	I	1		✔	✔	✔	✔	✔	✔	✔
EasyControl Adapter	7 736 701 560	–	–		✔	✔	✔	✔	✔	✔	✔
EasyControl and 3x Smart TRV set - White†	7 736 701 555	I	1		✔	✔	✔	✔	✔	✔	✔
EasyControl and 3x Smart TRV set - Black†	7 736 701 556	I	1		✔	✔	✔	✔	✔	✔	✔
Individual Smart TRV	7 736 701 575	–	–		✔	✔	✔	✔	✔	✔	✔
Smart Individual Room Thermostat (230V)	8 750 001 003	–	–		✔	✔	✔	✔	✔	✔	✔
Smart Individual Room Thermostat (24V)	8 750 001 004	–	–		✔	✔	✔	✔	✔	✔	✔
Digital and wireless programmers and room thermostats											
Greenstar Comfort I RF	7 733 600 001	I	1		✔	✔ [1]					
Greenstar Comfort II RF	7 733 600 002	I	1		✔	✔ [1]					
Weather sensors											
Outdoor Weather Sensor*	7 716 192 764	I	1		✔	✔					

*Not compatible with Comfort controls.

†EasyControl Adapter required. The EasyControl only controls heating, a separate control will be required for hot water.

1 Comfort wall plate kit (7 733 600 039) required for Heatslave II External.

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

Accessories



Greenstar System Filter Range

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

- **Isolation valve indicators**

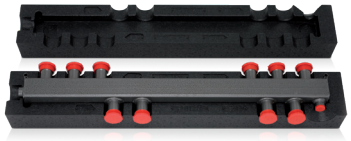
  Can be opened using a single 90º turn, with red and green indicators showing when the filter is in operation.

- **Mini System Filter**

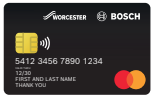
  Designed for installs with space restrictions as it is 54mm smaller in height than the normal 22mm filter.

Greenstar Low Loss Header

Part no. 7 716 192 614



Compatible with our Utility and Danesmoor internal oil boilers. A 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.



Collect loyalty points for every installation



Worcester CondenseSure

Part no. 7 716 192 746

- Not suitable for external oil boilers.
- No electrical supply needed.
- Installation flexibility.



HVO Conversion Kits

- Hydrotreated Vegetable Oil (HVO) is a renewable liquid fuel which is an alternative to the traditional heating oil, kerosene.
- Suitable for our entire oil boiler range manufactured after September 2018.

Oil accessories

Accessories' compatibility Oil boilers

Accessory	Part no.		Oil-fired boilers						
			COMBI		SYSTEM		REGULAR		
			HEATSLAVE II INTERNAL	HEATSLAVE II EXTERNAL	DANESMOOR UTILITY	DANESMOOR EXTERNAL	DANESMOOR UTILITY	DANESMOOR EXTERNAL	UTILITY REGULAR
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		✔	✔	✔	✔	✔	✔	✔
Bosch System Filter Micro (22mm)	7 724 002 036		✔	✔	✔	✔	✔	✔	✔
Worcester Low Loss Header	7 716 192 614				✔		✔		✔
HVO Conversion Kit 12/18 13kW*	7 731 600 277		✔	✔	✔	✔	✔	✔	
HVO Conversion Kit 12/18 15kW*	7 731 600 276		✔	✔	✔	✔	✔	✔	
HVO Conversion Kit 12/18 18kW*	7 731 600 278		✔	✔	✔	✔	✔	✔	
HVO Conversion Kit 18/25 18kW*	7 731 600 279				✔	✔	✔	✔	
HVO Conversion Kit 18/25 21.5kW*	7 731 600 280				✔	✔	✔	✔	
HVO Conversion Kit 18/25 25kW*	7 731 600 281				✔	✔	✔	✔	
HVO Conversion Kit 25/32 25kW*	7 731 600 282				✔	✔	✔	✔	
HVO Conversion Kit 25/32 28.5kW*	7 731 600 283				✔	✔	✔	✔	
HVO Conversion Kit 25/32 32kW*	7 731 600 284				✔	✔	✔	✔	
HVO Conversion Kit 32/50 32kW*	7 731 600 285								✔
HVO Conversion Kit 32/50 41kW*	7 731 600 286								✔
HVO Conversion Kit 32/50 50kW*	7 731 600 287								✔
HVO Conversion Kit 50/70 50kW*	7 731 600 288								✔
HVO Conversion Kit 50/70 60kW*	7 731 600 289								✔
HVO Conversion Kit 50/70 70kW*	7 731 600 290								✔
HVO Conversion Kit 18/25 18kW*	7 731 600 291		✔	✔					
HVO Conversion Kit 18/25 21.5kW*	7 731 600 292		✔	✔					
HVO Conversion Kit 18/25 25kW*	7 731 600 293		✔	✔					
HVO Conversion Kit 25/32 25kW*	7 731 600 294		✔	✔					
HVO Conversion Kit 25/32 28.5kW*	7 731 600 295		✔	✔					
HVO Conversion Kit 25/32 32kW*	7 731 600 296		✔	✔					

*Suitable for our oil boiler range manufactured after September 2018.

Oil floor-standing internal boiler flues



Components	Part no.	Description
125mm diameter		
	7 716 190 064	Standard telescopic flue kit (460 - 670mm)
	7 716 190 062	Short telescopic flue kit (360 - 460mm)
	7 731 600 218	Vertical flue kit (1,080mm)
	7 716 190 033	1,000mm extension (960mm)
	7 716 190 097	600mm extension
	7 716 190 034	90° flue bend
	7 716 190 035	45° flue bend (pair)
	7 716 190 105	Infill plate kit (for high level horizontal flues)
	7 716 190 101	Flue damper
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof
	7 716 190 050	Flue terminal guard
	7 716 190 092	Plume management kit
	7 716 191 179	Support bracket kit

Greenstar Utility Regular flue components – suitable for 32/50 and 50/70 models

Components	Part no.	Description
150mm diameter		
	7 731 600 209	Standard horizontal flue kit (630mm)
	7 731 600 210	Vertical BF kit (1,290mm)
	7 716 190 045	Flue extension (960mm)
	7 716 190 046	90° flue bend
	7 716 190 047	45° flue bend (pair)
	7 716 191 100	Flashing – pitched roof
	7 731 600 237	Stainless steel flue terminal guard
Conventional flue		
	7 716 190 104	Conventional flue 80/100mm and 80/103mm adaptor kit*
	7 716 190 065	130mm adaptor**
	7 731 600 211	Conventional flue adaptor for 32/50 & 50/70 models

***Must be used on 12/18 & 18/25 models when using third party conventional flue.** This conventional flue adaptor is used for 12kW to 32kW range

**Only required when using third party conventional flue on the 25/32 model and must be used with a conventional flue 80/100mm and 80/103mm adaptor kit (7 716 190 104)

Oilfit flexible flue kit		
	7 733 601 205	100mmØ Oilfit flexi flue kit (8m)
	7 733 601 206	100mmØ Oilfit flexi flue kit (12m)
	7 733 601 208†	130mmØ Oilfit Flexi Flue Kit (8m)
	7 733 601 209†	130mmØ Oilfit Flexi Flue Kit (12m)
	7 733 601 210†	100mm diameter 130mmØ Oilfit Flexi Flue Kit (15m)
	7 716 190 070†	130mmØ 1,000mm extension
	7 716 190 071†	130mmØ 500mm extension
	7 716 190 072†	130mmØ telescopic extension
	7 716 190 073†	130mmØ 45º bend
	7 716 190 068†	100mm diameter telescopic extension
	7 716 190 066†	100mm diameter 1,000mm extension kit
	7 716 190 067†	100mm diameter 500mm extension kit
	7 716 190 069†	45º bend
	7 716 190 074	Wall cover plate 100mm
	7 716 190 075	Wall cover plate 130mm

†Stainless steel

Plume management

Condensfit II™ plume management system

Part numbers
80mm dia. plume management kit

Comprises:
1 x terminal bend
1 x extension 500mm
1 x outlet assembly
1 x clamp pack

7 716 190 092

Accessories

Components	Part no.	Description
80mm diameter		
	7 716 190 092	Plume management kit
	7 716 190 093	1,000mm extension
	7 716 190 095	90° bend
	7 716 190 094	45° bend (pair)

For every 90º plume management kit bend deduct 1,000mm and 500mm for every 45º plume management kit bend.

Oil floor-standing external boiler flues



Components	Part no.	Description
125mm diameter		
	7 716 190 034	Internal 90° flue bend (used inside boiler when fluing to side)
	7 716 190 050	Flue terminal guard

Oil flue terminal positioning

1. Where a flue is terminated less than 600mm away from a projection above it and the projection consists of plastics or has a combustible or painted surface, then a heat shield of at least 750mm wide should be fitted.
2. If the lowest part of the terminal is less than 2m above the ground, balcony, flat roof or other place to which any person has access, the terminal should be protected by a guard.
3. Notwithstanding the dimensions given above, a terminal should not be sited closer than 300mm to combustible material. In the case of a thatched roof, double this separation distance should be provided. It is also advisable to treat the thatch with a fire retardant material and close wire in the vicinity of the flue.
4. It is essential that a flue or chimney does not pass through the roof within the shaded area delineated by dimensions Q and R.
5. Where protection is provided for plastic components, such as guttering, it is essential that this is to the standard specified by the manufacturer of the plastic components.

Key to illustration (see page 96)

1. 1,500mm vertically between terminals on the same wall.
2. 1,000mm below eaves, gutters, pipes and drains. External telescopic flue joints must be sealed with suitable silicon sealant.
3. 1,500mm measured horizontally between a vertical flue terminal and a window, dormer window or opening.
4. 1,200mm between terminals facing each other.
5. Vertical flue clearance, 600mm adjacent to a boundary line unless it will cause a nuisance. BS 5410: Part 1 2014 recommends that care is taken when siting terminal in relation to boundary lines.
6. 2,500mm to a boundary line, unless it will cause a nuisance. It is recommended that care is taken when siting terminal in relation to boundary lines.
7. 300mm minimum clearance from a non opening skylight to a vertical flue.
8. Vertical flue clearance, 750mm to non-combustible building material, and 1,500mm clearance to combustible building material.
9. 1,000mm above, below and either side of an opening door, air vent or opening window. These clearances are required by BS 5410 Part 1:2014 to reduce a possible pluming nuisance, this could be reduced to 600mm if there was no pluming nuisance, seek guidance from the local authority building control.
10. 600mm diagonally to an opening door, air vent or opening window.
11. 300mm to an internal or external corner.
12. 1,000mm below a Velux window for a vertical flue, 300mm above or either side of the Velux window. The terminal must be at least 1,000mm from the Velux when measured horizontally.

13. The flue must extend at least 600mm above the roof and 400mm horizontally from a pitched roof or 500mm in regions with heavy snow fall.
14. 1,500mm clearance to any vertical structure on a roof or room sealed flue that has a height difference of more than 300mm.
15. 1,000mm below eaves and gutters and sanitary pipe and 300mm from vertical sanitary pipes and drains.
16. Flue clearance must be at least 300mm from the ground. Terminal guards must be fitted if the flue is less than 2 metres from the ground or if a person could come into contact with the flue terminal.
17. 2,500mm to a surface facing a terminal, but must not be installed where it will cause a nuisance.
18. Terminals must be at least 1,800mm from an oil storage tank unless a wall with of at least 30 minutes fire resistance and extending 300mm wider and higher than the tank is between the tank and the terminal.
19. For the purpose of determining suitable flue terminal positions for the 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.

Plume management

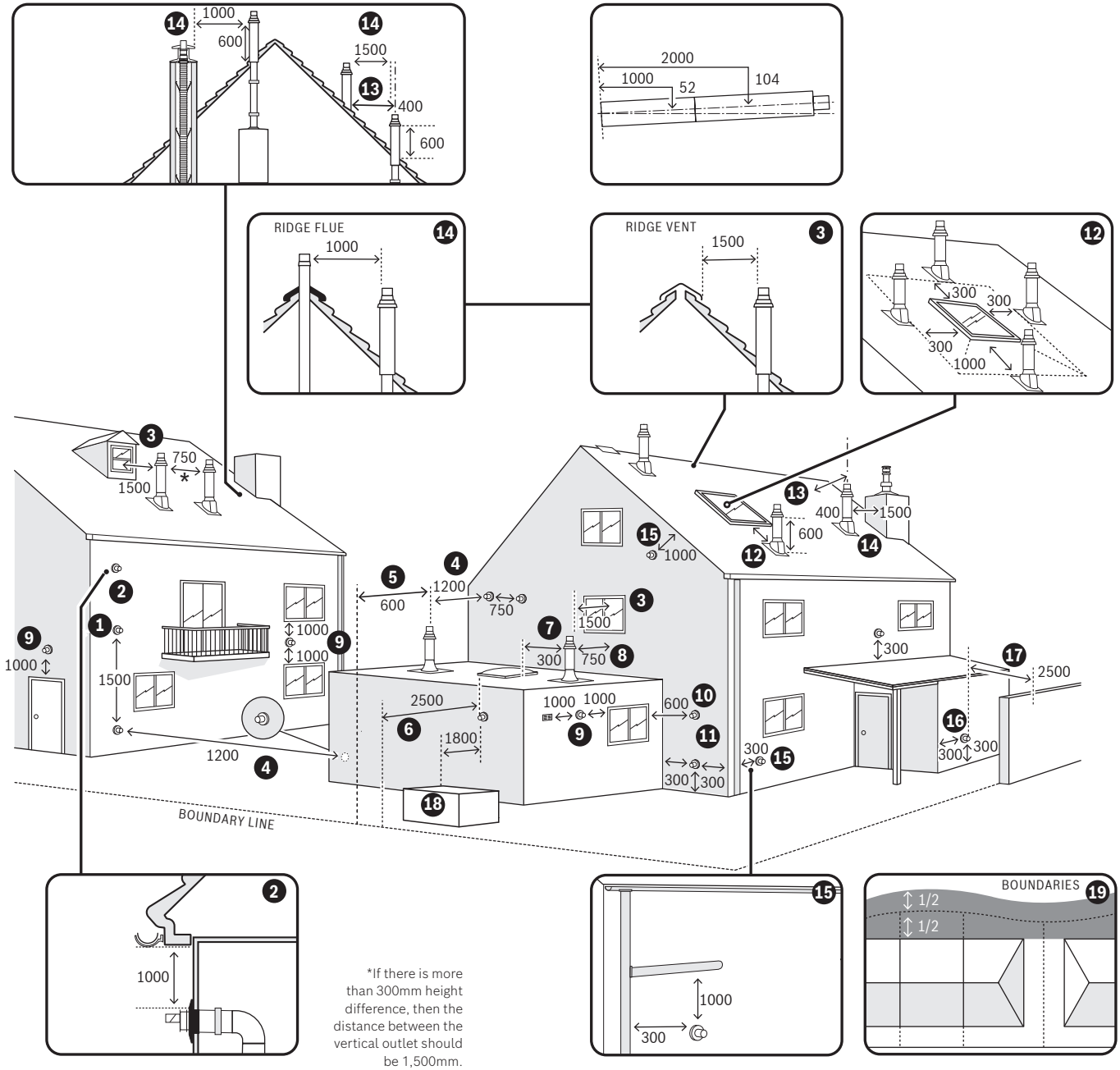
Plume management kits are available for 125mm horizontally terminated flues. Please refer to the installation instructions supplied with the plume management kits.

For more information on our plume management options, including reduced flue terminal clearances, please read the flue manual.

Oil boiler flues

Oil flue terminal positioning

All measurements in millimetres



*If there is more than 300mm height difference, then the distance between the vertical outlet should be 1,500mm.

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.

Wall-hung commercial solutions



- Gas boilers with individual outputs from 50kW to 145kW.
- Ability to cascade in banks up to 860kW when operating at 50:30.
- Heat Interface Units with hot water flow rates of 15 l/min and 21 l/min.
- Range of digital and smart controls, including our industry first internet-connected commercial heating control.

Floor-standing solutions



- Condens 7000 F & FP floor-standing boiler, with outputs from 75kW to 1MW.
- Our industrial steam and hot water boilers are available in electric and gas-fired, meaning they can help maximise efficiency, reduce operational costs and minimise downtime.

For more information please call **0330 123 3004** or visit **bosch-industrial.co.uk**

Bosch Commercial and Industrial UK

@BoschHeating_UK

Condens 7000 WP
Commercial boiler series



A++ → G

Dimensions 50-100kW	
Width	520mm
Height	1,429mm**
Depth	458mm
Dimensions 125-145kW	
Width	520mm
Height	1,429mm**
Depth	588mm

††ErP only relevant to 50kW and 65kW models.
**Height with pump group.
†Terms and conditions apply.

Boiler (Output kW)	Part number
GC7000WP 50kW	7 736 702 194
GC7000WP 65kW	7 736 702 195
GC7000WP 85kW	7 736 702 196
GC7000WP 100kW	7 736 702 197
GC7000WP 125kW	7 736 702 198
GC7000WP 145kW	7 736 702 199
Insulation and connection set	**Part number**
Insulation pump group single	7 736 701 876
Connection set (for pump group)	5 584 552
Hydraulic Separation	**Part number**
Low loss header + Insulation 300kW	7 736 701 907
Sinus LLH with insulation up to 100KW***	8 920 097 2
Sensor Pocket R 1/2" 95MM for sinus LLH (required accessory)	5 446 142
50KW Plate Heat Exchanger	7 733 600 013
65KW Plate Heat Exchanger	7 733 600 014
80-100KW Plate Heat Exchanger	7 733 600 016
101-140KW Plate Heat Exchanger	7 733 600 017
141-180KW Plate Heat Exchanger	7 733 600 018

***up to 100kW at 11k ΔT

Pump group	Part number
Pump group 70kW (3 bar PRV)	7 736 701 864
Pump group 100kW (3 bar PRV)	7 736 701 865
Pump group 150kW (4 bar PRV)	7 736 702 214

Please contact our sales team for more information on Condens 7000 WP floor standing frame sets, cascade components, controls and accessories.

Flue lengths 50-85kW

Maximum flue lengths inc. terminal (mm)				
Diameter	**Direction**	**50kW**	**65kW**	**85kW**
110/160mm	Horizontal	11,000	16,000	11,000
110/160mm	Vertical	21,000	22,000	16,000

Flue lengths 100-145kW

Maximum flue lengths inc. terminal (mm)				
Diameter	**Direction**	**100kW**	**125kW**	**145kW**
110/160mm	Horizontal	12,000	3,000	3,000
110/160mm	Vertical	16,000	5,000	5,000

Note: For every 87º flue bend deduct 1,500mm, for every 45º flue bend deduct 500mm.

Horizontal and vertical fluing options

110/160mm diameter		
	7 738 113 669	Horizontal flue kit
	7 738 113 668	Vertical flue kit
	7 738 113 100	1m flue extension
	7 738 113 101	2m flue extension
	7 738 113 099	0.5m flue extension
	7 738 113 105	87º bend
	7 738 113 104	45º bends
	7 738 113 103	30º bend
	7 738 113 102	15º bend
	7 738 113 677	Flue wall clamps 160mm (Qty 3)
	7 738 113 126	Flat roof flashing 166mm 0º
	7 738 113 127	Flat roof flashing 166mm 0-15º
	7 738 113 128	Pitched roof flashing 166mm 5-25º black
	7 738 113 129	Pitched roof flashing 166mm 25-45º black

Air conditioning

Climate 3200i



Single Split Air Conditioning

Description	Part number
CL3200i-Set 26 WE	7 733 703 595
CL3200i-Set 35 WE	7 733 703 596
CL3200i-Set 53 WE	7 733 703 597
CL3200i-Set 70 WE	7 733 703 598

Climate 7000i



*Terms and conditions apply, see website for details.
**White indoor unit available.

Single Split Air Conditioning

Description	Part number
CL7000i-Set 26 E (White)	7 733 703 119
CL7000i-Set 35 E (White)	7 733 703 120
CL7000i-Set 53 E (White)	7 733 703 122
CL7000i-Set 26 EB (Black)	7 733 703 129
CL7000i-Set 35 EB (Black)	7 733 703 130
CL7000i-Set 53 EB (Black)	7 733 703 132

Multi Split Air Conditioning

Description	Part number
CL5000M 41/2 E Outdoor Unit	7 733 701 932
CL5000M 53/2 E Outdoor Unit	7 733 701 933
CL5000M 62/3 E Outdoor Unit	7 733 701 934
CL5000M 79/3 E Outdoor Unit	7 733 701 935
CL5000M 82/4 E Outdoor Unit	7 733 701 936
CL5000M 105/4 E Outdoor Unit	7 733 701 937
CL5000M 125/5 E Outdoor Unit	7 733 701 938
CL3200iM W 20 E Indoor Unit	7 733 703 864
CL3200iU W 26 E Indoor Unit	7 733 703 588
CL3200iU W 35 E Indoor Unit	7 733 703 589
CL3200iU W 53 E Indoor Unit	7 733 703 590
CL3200iU W 70 E Indoor Unit	7 733 703 591
CL5000iM 4CC 21 E Indoor Unit	7 733 701 939
CL5000iM 4CC 26 E Indoor Unit	7 733 701 940
CL5000iU 4CC 35 E Indoor Unit	7 733 701 878
CL5000iU 4CC 53 E Indoor Unit	7 733 701 879
CL5000iU 4C 70 E Indoor Unit	7 733 701 880
Panel CL5000i-P 4CC Indoor	7 733 701 886
Panel CL5000i-P 4C Indoor Units (7kW only)	7 733 701 887
CL5000iU D 35 E Indoor Unit	7 733 701 888
CL5000iU D 53 E Indoor Unit	7 733 701 889
CL5000iU D 70 E Indoor Unit	7 733 701 890

Large Split Cassette Air Conditioning

Description	Part number
CL5000iL Set 35 4CCE	**7 733 701 908**
CL5000iL Set 35 4CCE - Outdoor unit	7 733 701 869
CL5000iL Set 35 4CCE - Indoor unit	7 733 701 878
CL5000iL Set 35 4CCE - Cassette panel	7 733 701 886
CL5000iL Set 53 4CCE	**7 733 701 909**
CL5000iL Set 53 4CCE - Outdoor unit	7 733 701 870
CL5000iL Set 53 4CCE - Indoor unit	7 733 701 879
CL5000iL Set 53 4CCE - Cassette panel	7 733 701 886

Description	Part number
CL5000iL Set 70 4CE	**7 733 701 910**
CL5000iL Set 70 4CE - Outdoor unit	7 733 701 871
CL5000iL Set 70 4CE - Indoor unit	7 733 701 880
CL5000iL Set 70 4CE - Cassette panel	7 733 701 887
CL5000iL Set 88 4CE	**7 733 701 911**
CL5000iL Set 88 4CE - Outdoor unit	7 733 701 872
CL5000iL Set 88 4CE - Indoor unit	7 733 701 881
CL5000iL Set 88 4CE - Cassette panel	7 733 701 887
CL5000iL Set 105 4CE	**7 733 701 912**
CL5000iL Set 105 4CE - Outdoor unit	7 733 701 873
CL5000iL Set 105 4CE - Indoor unit	7 733 701 882
CL5000iL Set 105 4CE - Cassette panel	7 733 701 887
CL5000iL Set 125 4CE	**7 733 701 924**
CL5000iL Set 125 4CE - Outdoor unit	7 733 701 875
CL5000iL Set 125 4CE - Indoor unit	7 733 701 883
CL5000iL Set 125 4CE - Cassette panel	7 733 701 887
CL5000iL Set 140 4CE-3	**7 733 701 925**
CL5000iL Set 140 4CE-3 - Outdoor unit	7 733 701 876
CL5000iL Set 140 4CE-3 - Indoor unit	7 733 701 884
CL5000iL Set 140 4CE-3 - Cassette panel	7 733 701 887
CL5000iL Set 160 4CE-3	**7 733 701 926**
CL5000iL Set 160 4CE-3 - Outdoor unit	7 733 701 877
CL5000iL Set 160 4CE-3 - Indoor unit	7 733 701 885
CL5000iL Set 160 4CE-3 - Cassette panel	7 733 701 887

Large Split Ceiling/Floor Air Conditioning

Description	Part number
CL5000iL-Set 53 CF	**7 733 701 920**
CL5000iL-Set 53 CF - Outdoor unit	7 733 701 870
CL5000iL-Set 53 CF - Indoor unit	7 733 701 896
CL5000iL-Set 70 CF	**7 733 701 921**
CL5000iL-Set 70 CF - Outdoor unit	7 733 701 871
CL5000iL-Set 70 CF - Indoor unit	7 733 701 897
CL5000iL-Set 105 CF	**7 733 701 922**
CL5000iL-Set 105 CF - Outdoor unit	7 733 701 873
CL5000iL-Set 105 CF - Indoor unit	7 733 701 898
CL5000iL-Set 140 CF-3	**7 733 701 930**
CL5000iL-Set 140 CF-3 - Outdoor unit	7 733 701 876
CL5000iL-Set 140 CF-3 - Indoor unit	7 733 701 899
CL5000iL-Set 160 CF-3	**7 733 701 931**
CL5000iL-Set 160 CF-3 - Outdoor unit	7 733 701 877
CL5000iL-Set 160 CF-3 - Indoor unit	7 733 701 900

Large Split Ducted Air Conditioning

Description	Part number
CL5000iL Set 35 DE	**7 733 701 914**
CL5000iL Set 35 DE - Outdoor unit	7 733 701 869
CL5000iL Set 35 DE - Indoor unit	7 733 701 888
CL5000iL Set 53 DE	**7 733 701 915**
CL5000iL Set 53 DE - Outdoor unit	7 733 701 870
CL5000iL Set 53 DE - Indoor unit	7 733 701 889
CL5000iL Set 70 DE	**7 733 701 916**
CL5000iL Set 70 DE - Outdoor unit	7 733 701 871
CL5000iL Set 70 DE - Indoor unit	7 733 701 890
CL5000iL Set 88 DE	**7 733 701 917**
CL5000iL Set 88 DE - Outdoor unit	7 733 701 872
CL5000iL Set 88 DE - Indoor unit	7 733 701 891
CL5000iL Set 105 DE	**7 733 701 918**
CL5000iL Set 105 DE - Outdoor unit	7 733 701 873
CL5000iL Set 105 DE - Indoor unit	7 733 701 892
CL5000iL Set 125 DE	**7 733 701 927**
CL5000iL Set 125 DE - Outdoor unit	7 733 701 875
CL5000iL Set 125 DE - Indoor unit	7 733 701 893
CL5000iL Set 140 DE-3	**7 733 701 928**
CL5000iL Set 140 DE-3 - Outdoor unit	7 733 701 876
CL5000iL Set 140 DE-3 - Indoor unit	7 733 701 894
CL5000iL Set 160 DE-3	**7 733 701 929**
CL5000iL Set 160 DE-3 - Outdoor unit	7 733 701 877
CL5000iL Set 160 DE-3 - Indoor unit	7 733 701 895

Accessories

Description	Part number
Module IP-Gateway (required for Wi-Fi connection)	7 736 606 771
Gateway connector required for connecting IP-Gateway to 4way compact cassette and ducted indoor units	7 733 701 951

We offer a range of cassette, ducted and ceiling/floor indoor units suitable for a wide range of applications.

To view our entire range of large single split air conditioning units, please visit: **worcester-bosch.co.uk/air-conditioning**

*Terms and conditions apply, see website for details.

Training

Trade-rated training

For 40 years we've been offering first-class training to professionals like you.

Not only does this involve high levels of expertise, it takes an ongoing commitment from our whole team to keep up with the latest technologies and techniques.

Expert team
Trusted by thousands of professionals for clear, practical learning.

National coverage
Training academies in Worcester, Wakefield, West Thurrock and Dublin, plus online courses.

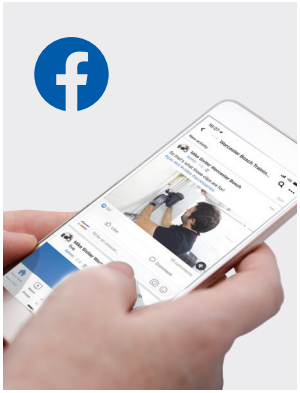
Technical training
From gas and oil boilers to F-Gas training and water treatment, get trained up.

Online introduction courses

Learn online wherever you are, at a pace that suits you.

Visit our eAcademy to get your learning journey started.

Join our 'Worcester Bosch Training Academy' Facebook group for online courses and training videos.



Product training courses

Our training courses will help you get hands-on experience to understand all the features and benefits, specification, installation and servicing of our products.

We have training Academies in: Wakefield, Worcester, West Thurrock and Dublin.

Book on to a course at:
worcester-bosch.co.uk/eacademy

MCS courses

Becoming MCS certified is a mark of excellence as an installer. We're here to support you with our range of MCS courses including:

- Water regulations certification (WRAS) course
- Level 3 Award Low temperature heating and hot water systems in dwellings
- Level 3 Award RQF installation and maintenance of air source heat pump systems

Not MCS certified?

We can support you with unlocking government grants and extended guarantees. If MCS isn't right for your business right now, you can use our third party MCS umbrella scheme – who will handle the design, training and MCS accreditation paperwork to enable your customer to apply for government grants.

Contact our pre-sales team to find out more on: **0330 123 3366**



WORCESTER BOSCH

PowerUp

Take your business to the next level

- Rewards
- Technical support
- Training
- Business support
- Product quality



Get involved and take your business further

The Worcester Bosch Professional App

Created by experts, used by experts

With easy access to sales leads, notifications, repair requests, product registrations, loyalty scheme rewards - plus an extensive knowledge base and local support.

Scan and send

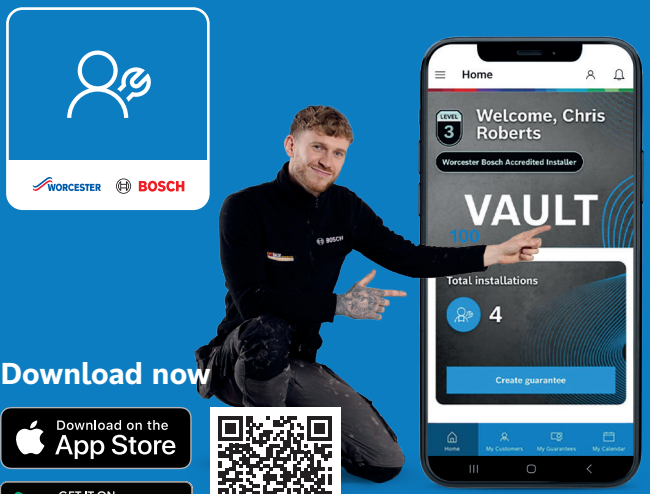
Scan serial numbers in seconds

Multi-team registration

Pre-register before your office approval

Knowledge hub

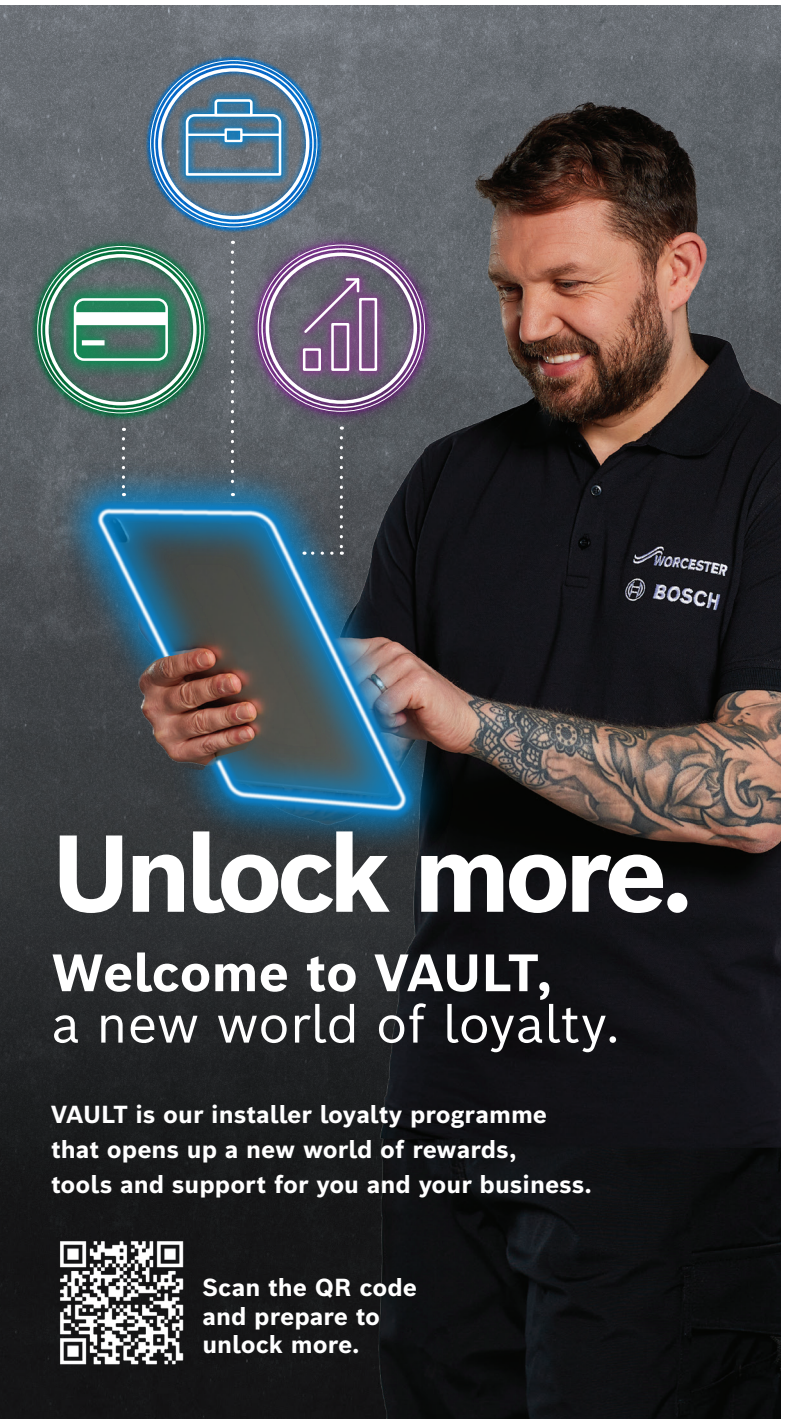
Access every manual and support document



Download now

Download on the App Store

GET IT ON Google Play



Unlock more.

Welcome to VAULT, a new world of loyalty.

VAULT is our installer loyalty programme that opens up a new world of rewards, tools and support for you and your business.

Scan the QR code and prepare to unlock more.

Getting in touch has never been easier

For technical or sales support, just call or email your local representatives.

Scan the QR code to find your local contact



Get in touch

Sales
Tel: 0330 123 9669
Email: sales.bosch@uk.bosch.com

Technical Helpline (Pre & Post Sales)
Tel: 0330 123 3366
Email: technical-advice@uk.bosch.com

Training
Tel: 0330 123 0166
Email: training@uk.bosch.com
worcester-bosch.co.uk/eacademy

Share

We would love to see your installations

@WorcesterBosch

Worcester Bosch Professional

@WorcesterBoschProfessional

Worcester Bosch

WorcesterBoschHeating

Worcester Bosch

Cotswold Way
Warndon
Worcester
WR4 9SW

worcester-bosch.co.uk

Calls to and from Bosch Thermotechnology Ltd. may be recorded for training and quality assurance purposes. Worcester Bosch is a brand name of Bosch Thermotechnology Ltd. This brochure is accurate at the date of printing, but may be superseded and should be disregarded if specification and/or appearances are changed in the interest of continued improvement. The statutory rights of the consumer are not affected.

Part No. 8 716 122 882 Issue I 08/26