

Product Guide  
**2014**



# Oil-fired and solar thermal

heating and hot water solutions

# The complete Worcester Greenstar oil-fired product range

Our market-leading Greenstar oil-fired condensing boilers are part of the Worcester total system solutions package. The Heatslave and Danesmoor boiler series combine both Worcester's renowned quality and reliability, with improved installation ease, innovative servicing features, and enhanced energy efficiency. For many, Worcester is the installer's choice, and with state-of-the-art training facilities as well as award-winning technical support, you can be sure that you will have everything you require to meet your customers' heating and hot water needs. In the 2013 Which? survey, Worcester customers with a Greenstar oil-fired boiler were recognised as being the most satisfied.

In this easy-to-use pocket guide, you will find essential information on every Greenstar oil-fired heating and hot water appliance currently available from the Worcester range, as well as information about our Greenskies solar thermal solutions. This includes technical data such as dimensions, outputs, flue options, accessories, product codes and much more – all laid out clearly and concisely, with the aid of diagrams, tables and a comprehensive contents page.



*Energy Saving product recommended by the Energy Saving Trust.*



*Solar compatible*



*Greenstore Cylinder compatible*

*Seasonal efficiency is given as the SEDBUK number. The value is used in the UK Government's Standard Assessment Procedure (SAP) for energy rating of dwellings. The test data from which it has been calculated has been certified by a notified body as indicated.*

# Contents

Flue terminal positioning	6 - 7
<hr/>	
Condensing oil-fired boilers	
Floor standing combi	Greenstar Heatslave II 8 - 9
	Greenstar Heatslave II External 10 - 11
Floor standing system	Greenstar Danesmoor System 12 - 13
	Greenstar Danesmoor System Utility 14 - 15
	Greenstar Danesmoor System External 16 - 17
Floor standing regular	Greenstar Danesmoor 18 - 19
	Greenstar Danesmoor Utility 20 - 21
	Greenstar Danesmoor External 22 - 23
Wall mounted regular	Greenstar Danesmoor WM 24 - 25
Floor standing regular	Greenstar Utility 26 - 27
<hr/>	
Plume management system	28
<hr/>	
Optional plug-in controls	29 - 33
<hr/>	
Accessories	
Greenstar oil-fired boiler accessories	34 - 38
<hr/>	
Greensource Hydrolight	
Split Air to Water heat pumps	39
<hr/>	
Solar thermal panels	
Greenskies Solar-Lux	40 - 45
Greenskies Solar-Lifestyle	46 - 53
Greenskies Solar-Lito and Solar-Lito Mini	54 - 61
<hr/>	
Greenstore cylinder series	
Greenstore SC Cylinder series	62 - 63
Greenstore TC Cylinder series	64 - 65
<hr/>	
Useful contacts	66 - 67
<hr/>	
Other Bosch companies	67
<hr/>	
Conversion tables	68 - 69
<hr/>	
Consumer & technical literature, CDs & DVDs	70 - 71
<hr/>	
Worcester training	72 - 73
<hr/>	
Useful numbers	76
<hr/>	



## Worcester and you. Making a difference.

As part of the Bosch Group,  
Worcester products are  
designed and manufactured



**BOSCH**  
Invented for life

to provide customers with the highest levels  
of quality and reliability which are synonymous  
with the Bosch name throughout the world.

Worcester is a part of Europe's largest supplier of heating products, and with our UK-based resources, as well as the Bosch Group's global infrastructure, we can offer you the value-added solutions you deserve. Worcester employs a nationwide network of Service Engineers and technically trained Field Sales Managers supported by an experienced technical services team which is able to provide comprehensive support and advice from designing system layouts through to installation.



The reception and main entrance  
at our Worcester headquarters

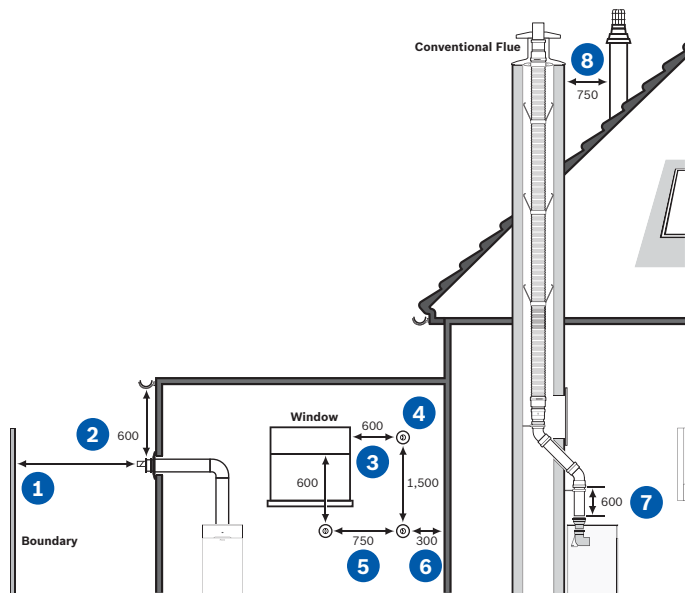
Worcester is dedicated to providing energy efficient gas- and oil-fired condensing boilers, as well as an extensive range of renewable technologies. All of our products have been developed and introduced with the aim of helping the UK to achieve the Government's efficiency targets.

*“At Worcester we recognise the vital role you play in the specification and installation of energy efficient appliances in homes across the UK. We will continue to invest in our products, people, facilities and added value services to ensure you have all you require in order to deliver only the best solutions to your customers’ requirements.”*

Carl Arntzen,  
Managing Director,  
Bosch Thermotechnology Ltd.

# Flue terminal positioning

All measurements in millimetres

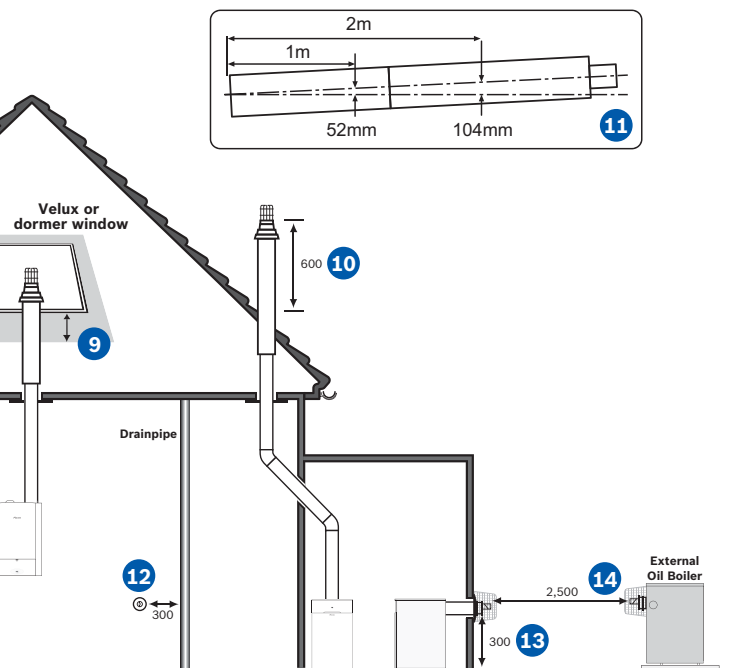


## Note

- All measurements are the minimum clearances required.
- Terminals must be positioned so as to avoid combustion products entering the building. In spite of the dimensions given here, the terminal must not be closer than 300mm to combustible material. In the case of a thatched roof, this dimension should be doubled.
- Terminals must be positioned so that products of combustion do not enter or accumulate around the building.
- Terminals must be at least 1.8 metres from an oil storage tank unless a wall with at least 30 minutes fire resistance, which extends 300mm wider and higher than the tank, is installed.

## Key to illustration

1. 600mm distance to a boundary, unless it will cause a nuisance. BS 5410: Part 1 recommends that care is taken when siting terminals in relation boundaries.
2. 600mm below eaves and balconies; this can be reduced to 75mm, as long as the flue terminal is extended to clear any overhang.



3. 600mm horizontally or vertically to an opening, air brick or opening window.
4. 1,500mm vertically from a terminal on the same wall.
5. 750mm horizontally from a flue on the same wall.
6. 300mm to an internal or external corner.
7. Minimum 600mm straight flue before any bend on a conventional flue.
8. 750mm between a vertical structure and a flue terminal.
9. 1,000mm below a Velux or dormer window, 300mm above or to either side of the Velux or dormer window or any opening on a sloping roof.
10. 600mm above the highest point of an intersection with a roof.
11. Any flue must fall back towards the boiler by 3° or 52mm for every metre of flue so that the condensate drains back to the boiler for disposal.
12. 300mm to any vertical sanitary pipe work or drain pipe.
13. Flue clearance must be at least 300mm above ground or balcony level. 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 flue terminal.
14. 2,500mm between terminals facing each other.

## Floor standing condensing combi boilers

# Greenstar Heatslave II series



### 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.*

Boiler output (kW)	Flow rate** (l/min)	Boiler weight	SEDBUK		Oil burner	Part no.
			2005	2009		
<b>Greenstar Heatslave II 12/18</b>						
12 to 18	15†	124kg	90.4%	89.4%	Riello RDB2.2*	<b>7 716 100 129</b>
<b>Greenstar Heatslave II 18/25</b>						
18 to 25	18†	126kg	90.2%	89.2%	Riello RDB2.2*	<b>7 716 100 130</b>
<b>Greenstar Heatslave II 25/32</b>						
25 to 32	22†	128kg	90.0%	89.0%	Riello RDB2.2*	<b>7 716 100 131</b>

\*Suitable for kerosene (28 sec oil) only

\*\*Maximum flow rate to produce a 40°C temperature rise over a 90l draw off

†Restricted DHW flow rate

## Control options

Part no.	Description
<b>Intelligent controls</b>	
7 716 192 065	FR10 Intelligent Room Thermostat
7 716 192 764	Outdoor weather sensor
<b>Digital, wireless programmers &amp; room thermostats</b>	
7 716 192 038	DT20 Twin Channel Digital Programmer
7 716 192 052	DT10RF Digistat
7 716 192 053	DT10RF Optimiser
7 716 192 054	DT20RF Digital RF Thermostat with Twin Channel Programmer





Solar compatible

## Flue lengths



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

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

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

\*Flue damper (7 716 190 101) required when vertical flue length exceeds 6m.

## Horizontal and vertical fluing options

Components	Part no.	Description
<b>125mm diameter</b>		
	7 716 190 064	Standard telescopic flue kit (460 - 670mm)
	7 716 190 062	Short telescopic flue kit (360 - 460mm)
	7 716 190 103	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	Stainless steel flue terminal guard

### Conventional flue

	7 716 190 104	Conventional flue adaptor kit
--	---------------	-------------------------------

### Plume management

	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)

### Oilfit flexible flue kit

	7 716 190 076	Oilfit flexi flue kit (8m)
	7 716 190 077	Oilfit flexi flue kit (12m)
	7 716 190 068*	Telescopic extension
	7 716 190 066*	1,000mm extension kit
	7 716 190 067*	500mm extension kit
	7 716 190 069*	45° bend
	7 716 190 074	Wall cover plate kit

\*Stainless steel

## Floor standing condensing external combi boilers

# Greenstar Heatslave II External series



### Clearances

Above	600mm
Front	600mm
RH/LH flue outlet on opposite side	10mm
RH flue outlet on rear	85mm
LH flue outlet on rear	10mm
Rear = flue outlet on side	150mm
Rear = rear flue outlet	2,500mm

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

Boiler output (kW)	Flow rate** (l/min)	Boiler weight	SEDBUK		Oil burner	Part no.
			2005	2009		
<b>Greenstar Heatslave II External 12/18</b>						
12 to 18	15*	151kg	90.4%	89.4%	Riello RDB2.2*	<b>7 716 100 138</b>
<b>Greenstar Heatslave II External 18/25</b>						
18 to 25	18*	154kg	90.2%	89.2%	Riello RDB2.2*	<b>7 716 100 139</b>
<b>Greenstar Heatslave II External 25/32</b>						
25 to 32	22*	158kg	90.0%	89.0%	Riello RDB2.2*	<b>7 716 100 140</b>

\*Suitable for kerosene (28 sec oil) only

\*\*Maximum flow rate to produce a 40°C temperature rise over a 90l draw off

\*Restricted DHW flow rate

### Control options

Part no.	Description
<b>Intelligent controls</b>	
7 716 192 065	FR10 Intelligent Room Thermostat
7 716 192 764	Outdoor weather sensor
<b>Digital, wireless programmers &amp; room thermostats</b>	
7 716 192 038	DT20 Twin Channel Digital Programmer



Solar compatible



## Flue lengths







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

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

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

## Horizontal and vertical fluing options

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

Components	Part no.	Description
<b>125mm diameter</b>		
	7 716 190 034	Internal 90° flue bend (used inside boiler when fluing to side)
	7 716 190 050	Stainless steel flue terminal guard
<b>Plume management</b>		
	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)

## Floor standing condensing system boilers

# Greenstar Danesmoor System series



### Clearances

Above: 10mm  
(annual service)

Above: 300mm  
(maintenance & repair)

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.*

Boiler output (kW)	Boiler weight	SEDBUK		Oil burner	Part no.
		2005	2009		
<b>Greenstar Danesmoor System 12/18</b>					
12 to 18	95kg	93.2%	91.1%	Riello RDB2.2*	<b>7 716 100 135</b>
<b>Greenstar Danesmoor System 18/25</b>					
18 to 25	98kg	93.0%	90.9%	Riello RDB2.2*	<b>7 716 100 136</b>
<b>Greenstar Danesmoor System 25/32</b>					
25 to 32	102kg	92.8%	90.7%	Riello RDB2.2*	<b>7 716 100 137</b>

\*Suitable for kerosene (28 sec oil) only

### Control options

Part no.	Description
7 716 192 033	Digital plug-in 7 day twin channel programmer



Solar compatible



Greenstore Cylinder compatible

## Flue lengths



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

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

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

\*Flue damper (7 716 190 101) required when vertical flue length exceeds 6m.

## Horizontal and vertical fluing options

Components	Part no.	Description
<b>125mm diameter</b>		
	7 716 190 064	Standard telescopic flue kit (460 - 670mm)
	7 716 190 062	Short telescopic flue kit (360 - 460mm)
	7 716 190 103	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)
	7 716 191 185	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	Stainless steel flue terminal guard

### Conventional flue

	7 716 190 104	Conventional flue adaptor kit
--	---------------	-------------------------------

### Plume management

	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)

### Oilfit flexible flue kit

	7 716 190 076	Oilfit flexi flue kit (8m)
	7 716 190 077	Oilfit flexi flue kit (12m)
	7 716 190 068*	Telescopic extension
	7 716 190 066*	1,000mm extension kit
	7 716 190 067*	500mm extension kit
	7 716 190 069*	45° bend
	7 716 190 074	Wall cover plate kit

\*Stainless steel

## Greenstar Danesmoor System Utility series



### Clearances

Above: 10mm  
(annual service)

Above: 300mm  
(maintenance & repair)

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.*

Boiler output (kW)	Boiler weight	SEDBUK		Oil burner	Part no.
		2005	2009		
<b>Greenstar Danesmoor System Utility 12/18</b>					
12 to 18	95kg	93.2%	91.1%	Riello RDB2.2*	<b>7 716 100 147</b>
<b>Greenstar Danesmoor System Utility 18/25</b>					
18 to 25	98kg	93.0%	90.9%	Riello RDB2.2*	<b>7 716 100 148</b>
<b>Greenstar Danesmoor System Utility 25/32</b>					
25 to 32	102kg	92.8%	90.7%	Riello RDB2.2*	<b>7 716 100 149</b>

\*Suitable for kerosene (28 sec oil) only



Solar compatible



Greenstore Cylinder compatible

## Flue lengths



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

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

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

\*Flue damper (7 716 190 101) required when vertical flue length exceeds 6m.

## Horizontal and vertical fluing options

Components	Part no.	Description
<b>125mm diameter</b>		
	7 716 190 064	Standard telescopic flue kit (460 - 670mm)
	7 716 190 062	Short telescopic flue kit (360 - 460mm)
	7 716 190 103	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)
	7 716 191 185	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	Stainless steel flue terminal guard

### Conventional flue

	7 716 190 104	Conventional flue adaptor kit
--	---------------	-------------------------------

### Plume management

	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)

### Oilfit flexible flue kit

	7 716 190 076	Oilfit flexi flue kit (8m)
	7 716 190 077	Oilfit flexi flue kit (12m)
	7 716 190 068*	Telescopic extension
	7 716 190 066*	1,000mm extension kit
	7 716 190 067*	500mm extension kit
	7 716 190 069*	45° bend
	7 716 190 074	Wall cover plate kit

\*Stainless steel

# Greenstar Danesmoor System External series



## Clearances

Flue orientation from front (mm)			
Key	Right	Left	Rear
Left	10	2,500*	85
Right	2,500	10	45
Rear	50**	50**	2,500*
Above	600	600	600
Front	600	600	600

\*From end of flue terminal allow 2,500mm clearance.

\*\*200mm if using a high level terminal exiting through the rear panel.

Boiler output (kW)	Boiler weight	SEDBUK		Oil burner	Part no.
		2005	2009		
<b>Greenstar Danesmoor System External 12/18</b>					
12 to 18	108kg	93.2%	91.1%	Riello RDB2.2*	<b>7 716 100 150</b>
<b>Greenstar Danesmoor System External 18/25</b>					
18 to 25	111kg	93.0%	90.9%	Riello RDB2.2*	<b>7 716 100 151</b>
<b>Greenstar Danesmoor System External 25/32</b>					
25 to 32	115kg	92.8%	90.7%	Riello RDB2.2*	<b>7 716 100 152</b>

\*Suitable for kerosene (28 sec oil) only





Solar compatible



Greenstore Cylinder compatible









## Flue lengths

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

## Horizontal and vertical fluing options

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

Components	Part no.	Description
<b>125mm diameter</b>		
	7 716 190 034	Internal 90° flue bend (used inside boiler when fluing to side)
	7 716 190 050	Stainless steel flue terminal guard
<b>Plume management</b>		
	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)

## Floor standing condensing regular boilers

# Greenstar Danesmoor regular series



### Clearances

Above: 10mm  
(annual service)

Above: 300mm  
(maintenance & repair)

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.*

Boiler output (kW)	Boiler weight	SEDBUK		Oil burner	Part no.
		2005	2009		
<b>Greenstar Danesmoor 12/18</b>					
12 to 18	86kg	93.2%	91.1%	Riello RDB2.2*	<b>7 716 100 132</b>
<b>Greenstar Danesmoor 18/25</b>					
18 to 25	89kg	93.0%	90.9%	Riello RDB2.2*	<b>7 716 100 133</b>
<b>Greenstar Danesmoor 25/32</b>					
25 to 32	93kg	92.8%	90.7%	Riello RDB2.2*	<b>7 716 100 134</b>

*\*Suitable for kerosene (28 sec oil) only*

### Control options

Part no.	Description
7 716 192 033	Digital plug-in 7 day twin channel programmer



Solar compatible



Greenstore Cylinder compatible

## Flue lengths



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

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

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

\*Flue damper (7 716 190 101) required when vertical flue length exceeds 6m.

## Horizontal and vertical fluing options

Components	Part no.	Description
<b>125mm diameter</b>		
	7 716 190 064	Standard telescopic flue kit (460 - 670mm)
	7 716 190 062	Short telescopic flue kit (360 - 460mm)
	7 716 190 103	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)
	7 716 191 185	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	Stainless steel flue terminal guard

### Conventional flue

	7 716 190 104	Conventional flue adaptor kit
--	---------------	-------------------------------

### Plume management

	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)

### Oilfit flexible flue kit

	7 716 190 076	Oilfit flexi flue kit (8m)
	7 716 190 077	Oilfit flexi flue kit (12m)
	7 716 190 068*	Telescopic extension
	7 716 190 066*	1,000mm extension kit
	7 716 190 067*	500mm extension kit
	7 716 190 069*	45° bend
	7 716 190 074	Wall cover plate kit

\*Stainless steel

# Greenstar Danesmoor Utility regular series



## Clearances

Above: 10mm  
(annual service)

Above: 300mm  
(maintenance & repair)

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.*

Boiler output (kW)	Boiler weight	SEDBUK		Oil burner	Part no.
		2005	2009		
<b>Greenstar Danesmoor Utility 12/18</b>					
12 to 18	86kg	93.2%	91.1%	Riello RDB2.2*	<b>7 716 100 141</b>
<b>Greenstar Danesmoor Utility 18/25</b>					
18 to 25	89kg	93.0%	90.9%	Riello RDB2.2*	<b>7 716 100 142</b>
<b>Greenstar Danesmoor Utility 25/32</b>					
25 to 32	93kg	92.8%	90.7%	Riello RDB2.2*	<b>7 716 100 143</b>

\*Suitable for kerosene (28 sec oil) only



Solar compatible



Greenstore Cylinder compatible

## Flue lengths



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

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

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

\*Flue damper (7 716 190 101) required when vertical flue length exceeds 6m.

## Horizontal and vertical fluing options

Components	Part no.	Description
<b>125mm diameter</b>		
	7 716 190 064	Standard telescopic flue kit (460 - 670mm)
	7 716 190 062	Short telescopic flue kit (360 - 460mm)
	7 716 190 103	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)
	7 716 191 185	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	Stainless steel flue terminal guard

### Conventional flue

	7 716 190 104	Conventional flue adaptor kit
--	---------------	-------------------------------

### Plume management

	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)

### Oilfit flexible flue kit

	7 716 190 076	Oilfit flexi flue kit (8m)
	7 716 190 077	Oilfit flexi flue kit (12m)
	7 716 190 068*	Telescopic extension
	7 716 190 066*	1,000mm extension kit
	7 716 190 067*	500mm extension kit
	7 716 190 069*	45° bend
	7 716 190 074	Wall cover plate kit

\*Stainless steel

Floor standing condensing external regular boilers

## Greenstar Danesmoor External regular series



### Clearances

Flue orientation from front (mm)			
Key	Right	Left	Rear
Left	10	2,500*	85
Right	2,500	10	45
Rear	50**	50**	2,500*
Above	600	600	600
Front	600	600	600

\*From end of flue terminal allow 2,500mm clearance.

\*\*200mm if using a high level terminal exiting through the rear panel.

Boiler output (kW)	Boiler weight	SEDBUK		Oil burner	Part no.
		2005	2009		
<b>Greenstar Danesmoor External 12/18</b>					
12 to 18	99kg	93.2%	91.1%	Riello RDB2.2*	<b>7 716 100 144</b>
<b>Greenstar Danesmoor External 18/25</b>					
18 to 25	102kg	93.0%	90.9%	Riello RDB2.2*	<b>7 716 100 145</b>
<b>Greenstar Danesmoor External 25/32</b>					
25 to 32	106kg	92.8%	90.7%	Riello RDB2.2*	<b>7 716 100 146</b>

\*Suitable for kerosene (28 sec oil) only



Solar compatible



Greenstore Cylinder compatible









## Flue lengths

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

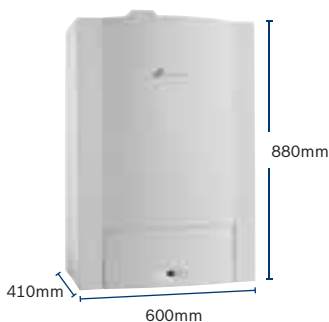
## Horizontal and vertical fluing options

**Boiler comes with standard horizontal flue kit.**

Components	Part no.	Description
<b>125mm diameter</b>		
	7 716 190 034	Internal 90° flue bend (used inside boiler when fluing to side)
	7 716 190 050	Stainless steel flue terminal guard
<b>Plume management</b>		
	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)

## Wall mounted condensing regular boilers

# Greenstar Danesmoor wall mounted series



### Clearances

Above:	300mm
Left:	10mm
Right:	10mm
Front:	600mm*

\*20mm to a removable door

Boiler output (kW)	Boiler weight	SEDBUK		Oil burner	Part no.
		2005	2009		
<b>Greenstar Danesmoor WM 12/18</b>					
12 to 18	72kg	92.7%	90.7%	Riello RDB 1 <sup>†</sup>	<b>7 716 100 124</b>
<b>Greenstar Danesmoor WM 18/25</b>					
18 to 25	72kg	92.8%	90.7%	Riello RDB 2.2 <sup>†</sup>	<b>7 716 100 125</b>

*\*Suitable for kerosene (28 sec oil) only*

### Control options

Part no.	Description
7 716 192 033	Digital plug-in 7 day twin channel programmer





Solar  
compatible



Greenstore  
Cylinder  
compatible



## Flue lengths

Maximum flue lengths				
Fluing	Direction	Diameter	12/18	18/25
Internal	Horizontal	125mm	4,000mm	4,000mm
	Vertical	125mm	6,000mm	6,000mm
Plume management	–	80mm	5,000mm	4,000mm

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

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

## Horizontal and vertical fluing options

Components	Part no.	Description
<b>125mm diameter</b>		
	7 716 190 064**	Standard telescopic flue kit (460 - 670mm)
	7 716 190 062**	Short telescopic flue kit (360 - 460mm)
	7 716 190 103	Vertical BF 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)
	7 716 191 174	Support bracket kit
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof
	7 716 190 050	Stainless steel flue terminal guard

\*\*For horizontal fluing a 90° elbow must be ordered

<b>Plume management</b>		
	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)

## Floor standing condensing regular utility boilers

# Greenstar Utility regular series



### Clearances

Above flue: 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.*

Boiler output (kW)	Boiler weight	SEDBUK		Oil burner	Part no.
		2005	2009		
<b>Greenstar Utility 32/50</b>					
32 to 50	270kg	93.0%	90.7%	Riello RDB 3.2*	<b>7 716 100 103</b>
<b>Greenstar Utility 50/70</b>					
50 to 70	280kg	92.5%	90.5%	Riello RDB 4.2*	<b>7 716 100 104</b>

*\*Suitable for kerosene (28 sec oil) only*



Solar  
compatible



Greenstore  
Cylinder  
compatible

## Flue lengths



Maximum flue lengths			
Diameter	Orientation	32/50	50/70
150mm	High level horizontal	2,000mm	2,000mm
	Rear exit horizontal	3,000mm	3,000mm
	Side exit horizontal	3,000mm	3,000mm
	Vertical	6,000mm	6,000mm

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

## Horizontal and vertical fluing options

Components	Part no.	Description
<b>150mm diameter</b>		
	7 716 190 043	Standard horizontal flue kit (880mm)
	7 716 190 044	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)
	7 716 190 051	Stainless steel flue terminal guard

External flues – 150mm diameter		
	7 716 190 060	External flue extension
	7 716 190 096	External flue 90° bend
	7 716 190 061	External flue 45° bend (pair)

Conventional flue		
	7 716 190 049	Conventional flue adaptor kit

Oilfit flexible flue kit – 130mm diameter		
	7 716 190 079	Oilfit flexi flue kit (8m)
	7 716 190 080	Oilfit flexi flue kit (12m)
	7 716 190 081	Oilfit flexi flue kit (15m)
	7 716 190 072*	Telescopic extension
	7 716 190 070*	1,000mm extension kit
	7 716 190 071*	500mm extension kit
	7 716 190 073*	45° bend
	7 716 190 075	Wall cover plate kit

\*Stainless steel

# Plume management





Plume management kits are available for 125mm horizontally terminated flues for use on external and internal boilers.

The standard kit provides a 500mm extension to the flue, with a 90° bend and a plume kit terminal. 1m extensions and bends are also available separately.

For more information on Worcester's plume management options, including reduced flue terminal clearances, please read the Plume Kit Installation Manual.



## Plume management parts

Components	Part no.	Description
	7 716 190 092	Plume management kit (125mm dia.)
	7 716 190 093	Plume management 1,000mm extension
	7 716 190 095	Plume management 90° bend
	7 716 190 094	Plume management 45° bend (pair)

# Optional plug-in controls

The following, easy-to-use controls are available for use with Greenstar oil-fired kitchen boilers. All fascia-mounted controls have a simple plug-in connection to the boiler circuit board.

## Greenstar Heatslave II controls

### Digital and wireless programmers and room thermostats



#### **DT20 twin channel digital programmer** *(for use with internal and external models)*

##### **Part no. 7 716 192 038**

- Three separate time periods per day for both CH and HW
- Plugs into fascia and is pre-set to current time, day and date.



#### **DT20RF digital RF thermostat with twin channel programmer** *(for use with internal models)*

##### **Part no. 7 716 192 054**

Similar to the DT20 but with the following features:

- Room thermostat provides room temperature control
- No wiring
- Adjusts automatically to British summertime mode.

## Intelligent weather and load compensation controls



### **DT10RF digistat**

***(for use with internal models)***

**Part no. 7 716 192 052**

- 24hr programmable room thermostat offering different room temperatures over six switching periods a day
- No wiring
- Fascia mounted receiver includes timer for HW.



### **DT10RF optimiser**

***(for use with internal models)***

**Part no. 7 716 192 053**

Similar to the DT10RF digistat but with the following additional features:

- Sophisticated seven day programmable room thermostat
- Optimum start (a feature that switches the boiler on at precisely the right time to achieve the desired room temperature at the desired time).



### **FR10 intelligent room thermostat**

***(for use with internal and external models)***

**Part no. 7 716 192 065**

- Load compensation
- Boiler output automatically adjusted to precisely meet the heat demand of the property at maximum efficiency
- Maximises the condensing boiler's operation
- Compatible with Worcester programmers.



### **Outdoor weather sensor**

***(for use with internal and external models)***

**Part no. 7 716 192 764**

- Monitors external temperatures to offer weather compensation in combination with the in-built heat curves of the Greenstar Heatslave II.

## **Greenstar Danesmoor System (kitchen), Danesmoor regular (kitchen) and Danesmoor WM controls**



### **Digital plug-in 7 day twin channel programmer**

**Part no. 7 716 192 033**

- Plugs into the boiler fascia panel and offers 3 separate time periods for both heating and hot water.

# Greenstar controls matrix

## Control

<b>Digital and wireless programmers and room thermostats</b>	<b>Part no.</b>
Digital plug-in 7 day twin channel programmer	7 716 192 033
DT20 twin channel digital timer	7 716 192 038
DT20RF digital RF thermostat with twin channel programmer	7 716 192 054
DT10RF digistat	7 716 192 052
DT10RF optimiser	7 716 192 053
<b>Intelligent controls</b>	
FR10 intelligent room thermostat	7 716 192 065
Outdoor weather sensor	7 716 192 764



## Oil-fired boilers

		COMBI			SYSTEM			REGULAR		
		Heatslave II	Heatslave II External	Danesmoor System	Danesmoor System Utility	Danesmoor System External	Danesmoor	Danesmoor Utility	Danesmoor External	Danesmoor WM Utility
			✓			✓			✓	
✓	✓									
✓										
✓										
✓										
✓	✓									
✓	✓									

# The Worcester CondenseSure siphon

With climate change and extreme weather variations becoming increasingly common, and very cold winters with temperatures as low as -20°C being experienced, practices such as externally-run condensate discharge pipework are now being questioned.

## A universal fitting for new and existing installations

The Worcester CondenseSure siphon has been designed to allow a more flexible approach to boiler siting. Although developed specifically for Worcester Greenstar gas- and oil-fired boilers, the Worcester CondenseSure can also be fitted to any make of condensing boiler for both new and retrofit installations.

## Ease of installation

The CondenseSure has been designed with ease of installation in mind and is suitable for most boiler applications. Although it can be clipped to a flow pipe under a wall-hung boiler, the CondenseSure can also be wall-mounted away from the boiler and connected to the condensate discharge offering a wide range of installation options for oil boilers.

Features	Benefits
No power consumption	No electrical wiring connection or supply needed, meaning zero running costs
No moving parts	No failure of components
Can be installed on new or existing installations	Suitable for any gas- or oil-fired condensing boilers
Can be attached to 22mm heating flow pipework	Uses 'free' energy from the pipe to heat the condensate
Under boiler or remote installation	Flexibility
No electrical connections	No electrician needed
No pipe insulation needed	Cost saving and aesthetically pleasing

**NEW**

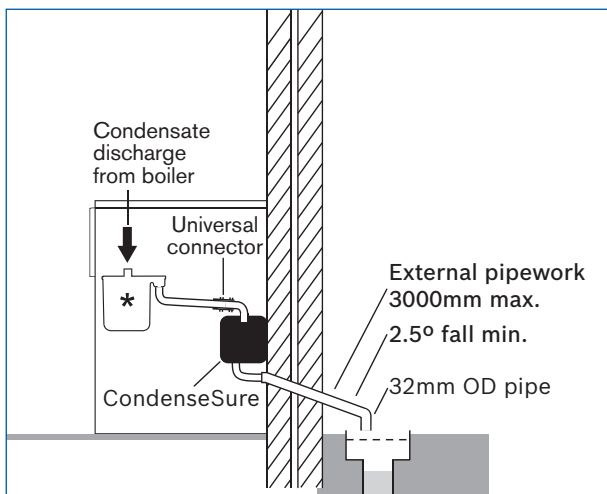


The Worcester CondenseSure insulating jacket helps to retain the temperature of the condensate.

### The Worcester CondenseSure installation parameters

The Worcester CondenseSure will protect an externally run condensate discharge pipe from freezing for 48 hours at  $-15^{\circ}\text{C}$  providing the following installation parameters are met:

- The externally run pipe length does not exceed 3 metres
- There is a fall on the discharge pipe of at least 2.5 degrees
- The discharge pipe diameter is not less than 32mm in diameter.



A typical installation using the CondenseSure

Part no.	Description
7 716 192 746	Worcester CondenseSure siphon

# The Worcester Greenstar System Filter

Modern condensing boilers are precision-engineered and designed to run with a clean water heating system. Over time, dirty system water will damage a boiler and its components, causing failures as well as potentially shortening the life of the system.

## **Damaged boiler and system components**

- Blockages in primary heat exchanger
- Increased wear on pumps
- Blocked valves.

## **Reduced efficiency**

- Energy efficiency loss equivalent to a boiler being reduced from A rated efficiency to D rated\*, resulting in fuel wastage
- Blocked radiators can reduce efficiency and heating comfort.

## **A highly effective solution from the brand you can trust**

The Worcester Greenstar System Filter has been specifically designed to combat the damaging effects of system debris and pollutants, allowing homeowners to protect their boiler or heat pump for a fraction of its cost. The filter is suitable for any 22mm piped heating systems.

At the centre of this innovative design is a highly powerful magnet that removes the magnetic debris (magnetite) that is present in the heating system water. The central location of the magnet ensures that magnetite is collected quickly and retained, maximising the overall protection. Any non-magnetic debris is caught by the twin-action cyclonic trap, a proven technology that offers a capacity to collect up to 200g of contaminants a year.

**The Greenstar System Filter has been extensively tested in simulated systems, proving its effectiveness in removing iron oxide, magnetite, limescale particles, casting sand, welding debris, non-magnetic metal flakes, paint particles and other system pollutants.**



Features	Benefits
Highly effective filter	Safeguards the boiler against damage and protects the efficiency of the system. Saves up to 6% a year on energy bills*
Prevent blockages in radiators	A warmer home and quieter system
High powered internal magnet	Proven technology that can capture up to 200g of magnetite
Twin-action – magnetic and non-magnetic filtration	Instantly effective against a wide range of system debris
No power consumption or moving parts	No electrical wiring connection or supply needed. Zero running costs and no failure of components
Can be installed under the boiler or away from the appliance	Flexibility
One-way valve for adding system chemicals	Removes the need to isolate a section of the system when carrying out servicing and maintenance

### Installation

The filter can be installed almost anywhere in a heating system, however to maximise the effectiveness it should be placed before the boiler and after the last radiator.

Part no.	Description
7 716 192 609	Greenstar System Filter

\*Independent research carried out by GASTEC at CRE

# Greenstar Low Loss Header

The Greenstar Low Loss Header is 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.

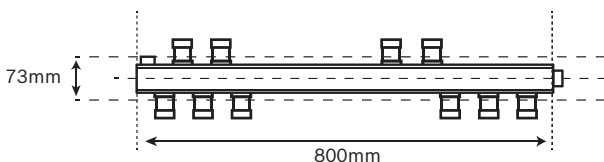


## Greater flexibility

Use of a low loss header allows domestic boilers to be connected in a modular or cascade system to meet the needs of larger properties. This means that domestic appliances can be used in projects needing higher heating capacity without the installer requiring a separate qualification.

The headers are supplied complete with insulation to save both time and money.

## Mounting details



Part no.	Description
7 716 192 614	Greenstar Low Loss Header

# The Greensource Hydrolight Split Air to Water heat pump

Greensource split air to water heat pumps are not only fuelled by the free and inexhaustible supply of latent energy, but they also offer additional advantages such as a simple and cost-effective installation and the ability to be installed in a wide variety of property types. In addition, at a time when fuel costs are rising, they provide the opportunity for customers to reduce their heating and hot water bills\*.



Greensource Split HP Hydrolight 14kW

Greensource Hydrolight split air to water units can be integrated with any existing oil-fired boiler offering a wide range of benefits for both the installer and end user. For more information please visit: [www.worcester-bosch.co.uk/split](http://www.worcester-bosch.co.uk/split)

Heat pump	Part number
<b>Greensource Split HP Hydrolight</b>	
8kW Single-phase (Hydrolight 8, ODU 7.5)	7 716 103 000
11kW Single-phase (Hydrolight 16, ODU 10)	7 716 103 001
14kW Single-phase (Hydrolight 16, ODU 11s)	7 716 103 002
16kW Single-phase (Hydrolight 16, ODU 12s)	7 716 103 003
14kW Three-phase (Hydrolight 16, ODU 11t)	7 716 103 004
16kW Three-phase (Hydrolight 16, ODU 12t)	7 716 103 005

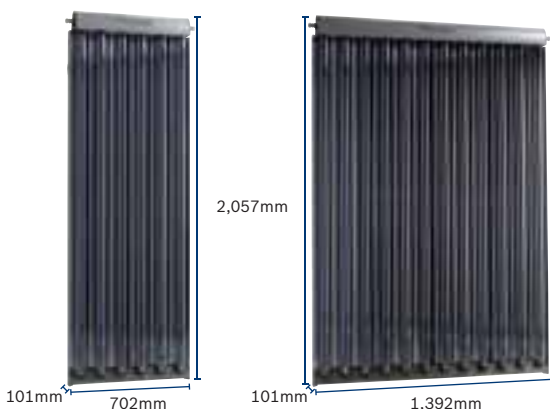
*\*Additional house insulation may be required to ensure heat pump suitability*

## Solar thermal panels

# Greenskies Solar-Lux

### Greenskies Solar-Lux 6

### Greenskies Solar-Lux 12
















Gross area (m <sup>2</sup> )	Aperture area (m <sup>2</sup> )	$\eta_0$ (%)	$a_1$ (W/m <sup>2</sup> k)	$a_2$ (W/m <sup>2</sup> k <sup>2</sup> )	Part no.
<b>Greenskies Solar-Lux 6</b>					
1.44	1.28	64	0.749	0.005	<b>8 718 530 558</b>
<b>Greenskies Solar-Lux 12</b>					
2.86	2.57	64	0.749	0.005	<b>8 718 530 559</b>

### Control options

Part no.	Description
7 747 004 420	TDS100 standard controller
7 747 004 427	TDS300 advanced controller


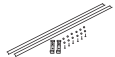
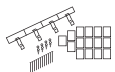


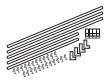
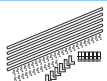
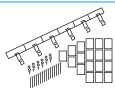






## Main plumb kit accessories – Solar-Lux

Components	Part no.	Description
	7 747 009 456	AGS5e single line pump station
	7 747 009 442	AGS5 twin line pump station
	7 747 009 427	AGS10e single line pump station
	7 747 009 420	AGS10 twin line pump station
	7 747 008 776	AGS5 twin line pump station/ TDS100 controller integrated
	7 739 300 100	18L expansion vessel
	7 739 300 119	25L expansion vessel
	7 739 300 120	35L expansion vessel
	7 739 300 331	Expansion vessel connection
	7 747 010 472	5L pre-cooling vessel
	7 747 010 473	12L pre-cooling vessel
	8 718 660 946	Solar fluid glycol 'LS' 10L
	8 718 660 947	Solar fluid glycol 'LS' 20L

## Solar thermal panels




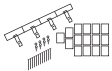

### Main roof kit accessories – Solar-Lux

Components	Part no.	Description
	8 718 530 584	Connection set on-roof Solar-Lux 6/12
	8 718 530 851	On-roof set VT6/12
	8 718 530 856	Roof connection tile, 4 pcs VT
	8 718 530 857	Roof connection corrugated roof, 4 pcs VT
	8 718 530 858	Roof connection shingles, 4 pcs VT
	8 718 530 848	On-roof set 2 VT6
	8 718 530 850	On-roof set 3 VT6
	8 718 530 907	Roof connection tile, 6 pcs VT
	8 718 530 908	Roof connection corrugated roof, 6 pcs VT
	8 718 530 909	Roof connection shingles, 6 pcs VT
	8 718 530 872	Connection cover Solar-Lux
	7 747 009 880	Additional collector sensor

## Greenskies solar thermal panel kits



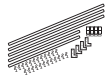
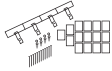


### Solar-Lux kit 150: 1 x SL6 roof kit

Part number: 7 716 150 162

Components	Part no.	Quantity	Description
	8 718 530 558	1	Collector Solar-Lux 6
	8 718 530 584	1	Connection set on-roof Solar-Lux 6/12
	8 718 530 851	1	On-roof set VT6/12
	8 718 530 856	1	Roof connection tile, 4 pcs VT
	7 747 009 880	1	Collector sensor

### Solar-Lux kit 200 easy lift: 2 x SL6 roof kit



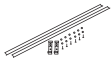
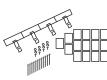

Part number: 7 716 150 161

Components	Part no.	Quantity	Description
	8 718 530 558	2	Collector Solar-Lux 6
	8 718 530 584	1	Connection set on-roof Solar-Lux 6/12
	8 718 530 848	1	On-roof set 2 VT6
	8 718 530 856	1	Roof connection tile, 4 pcs VT
	8 718 530 872	1	Connection cover Solar-Lux
	7 747 009 880	1	Collector sensor

## Solar thermal panels



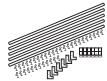
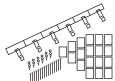


### Solar-Lux kit 200: 1 x SL12 roof kit

Part number: 7 716 150 160

Components	Part no.	Quantity	Description
	8 718 530 559	1	Collector Solar-Lux 12
	8 718 530 584	1	Connection set on-roof Solar-Lux 6/12
	8 718 530 851	1	On-roof set VT6/12
	8 718 530 856	1	Roof connection tile, 4 pcs VT
	7 747 009 880	1	Collector sensor




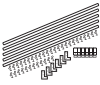
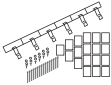


### Solar-Lux kit 300 easy lift: 3 x SL6 roof kit

Part number: 7 716 150 159

Components	Part no.	Quantity	Description
	8 718 530 558	3	Collector Solar-Lux 6
	8 718 530 584	1	Connection set on-roof Solar-Lux 6/12
	8 718 530 850	1	On-roof set 3 VT6
	8 718 530 907	1	Roof connection tile, 6 pcs VT
	8 718 530 872	1	Connection cover Solar-Lux
	7 747 009 880	1	Collector sensor

## Solar-Lux kit 300 Combo: SL6 & SL12 roof kit







Part number: 7 716 150 158

Components	Part no.	Quantity	Description
	8 718 530 558	1	Collector Solar-Lux 6
	8 718 530 559	1	Collector Solar-Lux 12
	8 718 530 584	1	Connection set on-roof Solar-Lux 6/12
	8 718 530 850	1	On-roof set 3 VT6
	8 718 530 907	1	Roof connection tile, 6 pcs VT
	8 718 530 872	1	Connection cover Solar-Lux
	7 747 009 880	1	Collector sensor

## Greenskies solar thermal plumb kits

### Solar-Lux plumb kit

Part number: 7 716 150 163

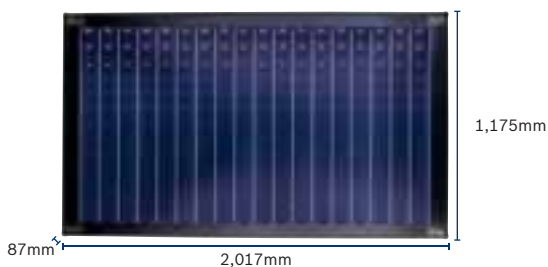
Components	Part no.	Description
	8 718 660 947	Solar fluid LS 20
	7 747 009 442	AGS5 pump station
	7 747 004 420	TDS100 controller
	7 739 300 119	25L expansion vessel
	7 739 300 331	Expansion vessel connection
	7 747 010 472	5L pre-cooling vessel

# Greenskies Solar-Lifestyle

## Greenskies Solar-Lifestyle Portrait



## Greenskies Solar-Lifestyle Landscape
















Gross area (m <sup>2</sup> )	Aperture area (m <sup>2</sup> )	$\eta_0$ (%)	a1 (W/m <sup>2</sup> k)	a2 (W/m <sup>2</sup> k <sup>2</sup> )	Part no.
<b>Greenskies Solar-Lifestyle Portrait</b>					
2.37	2.25	77	3.327	0.016	<b>8 718 530 950</b>
<b>Greenskies Solar-Lifestyle Landscape</b>					
2.37	2.25	77	3.327	0.016	<b>8 718 530 951</b>

## Control options



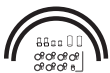
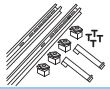



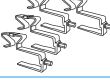





Part no.	Description
7 747 004 420	TDS100 standard controller
7 747 004 427	TDS300 advanced controller

## Main plumb kit accessories – Solar-Lifestyle

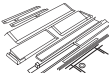
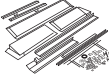



Components	Part no.	Description
	7 747 009 456	AGS5e single line pump station
	7 747 009 442	AGS5 twin line pump station
	7 747 009 427	AGS10e single line pump station
	7 747 009 420	AGS10 twin line pump station
	7 747 008 776	AGS5 twin line pump station/ TDS100 controller integrated
	7 739 300 100	18L expansion vessel
	7 739 300 119	25L expansion vessel
	7 739 300 120	35L expansion vessel
	7 739 300 331	Expansion vessel connection
	7 747 010 472	5L pre-cooling vessel
	7 747 010 473	12L pre-cooling vessel
	8 718 660 880	Solar fluid glycol 'L' 10L
	8 718 660 881	Solar fluid glycol 'L' 20L

## Solar thermal panels

### Main roof kit accessories – Solar-Lifestyle

Components	Part no.	Description
	8 718 531 445	Connection set on-roof Solar-Lifestyle
	8 718 531 447	Connection set flat roof Solar-Lifestyle
	8 718 531 446	Connection set in-roof Solar-Lifestyle
	8 718 531 017	ICD on-roof portrait rail 1st panel
	8 718 531 018	ICD on-roof portrait rail additional panel
	8 718 531 019	ICD on-roof landscape rail 1st panel
	8 718 531 022	ICD on-roof portrait rail additional panel
	8 718 531 023	ICD plain tile roof hook set
	8 718 531 024	ICD slate/crown tile roof hook set
	8 718 531 025	ICD roof mount for corrugated/tin roof set
	8 718 530 980	ICD portrait 1 panel in-roof flashing std tile
	8 718 530 981	ICD portrait 2 panel in-roof flashing std tile
	8 718 530 982	ICD portrait 1 panel extension in-roof flashing std tile




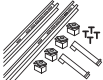
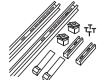
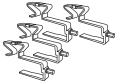


Components	Part no.	Description
	8 718 530 986	ICD landscape 1 panel in-roof flashing std tile
	8 718 530 987	ICD landscape 2 panel in-roof flashing std tile
	8 718 530 988	ICD landscape 1 panel extension in-roof flashing std tile
	7 747 009 880	Additional collector sensor
	7 739 300 432	Air vent set

## Solar thermal panels

### Greenskies solar thermal panel kits




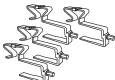


#### Solar-Lifestyle roof kit: 2 x on-roof portrait

Part number: 7 716 150 164

Components	Part no.	Quantity	Description
	8 718 530 950	2	Solar-Lifestyle collector portrait
	8 718 531 017	1	ICD on-roof portrait rail 1st panel
	8 718 531 018	1	ICD on-roof portrait rail additional panel
	8 718 531 023	2	ICD plain tile roof hook set
	8 718 531 445	1	Connection-set on-roof Solar-Lifestyle
	7 747 009 880	1	Collector sensor


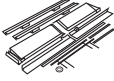


#### Solar-Lifestyle roof kit: 2 x on-roof landscape

Part number: 7 716 150 166

Components	Part no.	Quantity	Description
	8 718 530 951	2	Solar-Lifestyle collector landscape
	8 718 531 019	1	ICD on-roof landscape rail 1st panel
	8 718 531 022	1	ICD on-roof landscape rail additional panel
	8 718 531 023	2	ICD plain tile roof hook set
	8 718 531 445	1	Connection-set on-roof Solar-Lifestyle
	7 747 009 880	1	Collector sensor





## Solar-Lifestyle roof kit: 2 x in-roof portrait

Part number: 7 716 150 165

Components	Part no.	Quantity	Description
	8 718 530 950	2	Solar-Lifestyle collector portrait
	8 718 530 981	1	ICD portrait 2 panel in-roof flashing std tile
	8 718 531 446	1	Connection-set in-roof Solar-Lifestyle
	7 747 009 880	1	Collector sensor

## Solar-Lifestyle roof kit: 2 x in-roof landscape

Part number: 7 716 150 167






Components	Part no.	Quantity	Description
	8 718 530 951	2	Solar-Lifestyle collector landscape
	8 718 530 987	1	ICD landscape 2 panel in-roof flashing std tile
	8 718 531 446	1	Connection-set in-roof Solar-Lifestyle
	7 747 009 880	1	Collector sensor

## Solar thermal panels

### Greenskies solar thermal plumb kits






#### Flat plate plumb kit: standard single

Part number: 7 716 150 174

Components	Part no.	Quantity	Description
	8 718 660 881	1	Solar fluid glycol 'L' 20L
	7 747 009 456	1	AGS5e pump station
	7 747 004 420	1	TDS100 controller
	7 739 300 100	1	18L expansion vessel
	7 739 300 331	1	Expansion vessel connection






#### Flat plate plumb kit: standard twin

Part number: 7 716 150 175

Components	Part no.	Quantity	Description
	8 718 660 881	1	Solar fluid glycol 'L' 20L
	7 747 009 442	1	AGS5 pump station
	7 747 004 420	1	TDS100 controller
	7 739 300 119	1	25L expansion vessel
	7 739 300 331	1	Expansion vessel connection

## Flat plate plumb kit: advanced single

Part number: 7 716 150 173

Components	Part no.	Quantity	Description
	8 718 660 881	1	Solar fluid glycol 'L' 20L
	7 747 009 456	1	AGS5e pump station
	7 747 004 427	1	TDS300 controller
	7 739 300 100	1	18L expansion vessel
	7 739 300 331	1	Expansion vessel connection

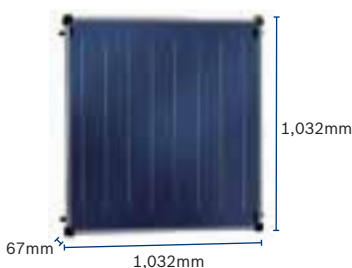
Solar thermal panels

# Greenskies Solar-Lito & Solar-Lito Mini

## Greenskies Solar-Lito



## Greenskies Solar-Lito Mini
















Gross area (m <sup>2</sup> )	Aperture area (m <sup>2</sup> )	$\eta_0$ (%)	$a_1$ (W/m <sup>2</sup> k)	$a_2$ (W/m <sup>2</sup> k <sup>2</sup> )	Part no.
Greenskies Solar-Lito					
2.09	1.94	76	4.083	0.012	<b>8 718 532 279</b>
Greenskies Solar-Lito Mini					
1.06	0.96	75	4.617	0.011	<b>8 718 532 280</b>

## Control options











Part no.	Description
7 747 004 420	TDS100 standard controller
7 747 004 427	TDS300 advanced controller

## Main plumb kit accessories – Solar-Lito

Components	Part no.	Description
	7 747 009 456	AGS5e single line pump station
	7 747 009 442	AGS5 twin line pump station
	7 747 009 427	AGS10e single line pump station
	7 747 009 420	AGS10 twin line pump station
	7 747 008 776	AGS5 twin line pump station/ TDS100 controller integrated
	7 739 300 100	18L expansion vessel
	7 739 300 119	25L expansion vessel
	7 739 300 120	35L expansion vessel
	7 739 300 331	Expansion vessel connection
	7 747 010 472	5L pre-cooling vessel
	7 747 010 473	12L pre-cooling vessel
	8 718 660 880	Solar fluid glycol 'L' 10L
	8 718 660 881	Solar fluid glycol 'L' 20L

## Solar thermal panels

### Main roof kit accessories – Solar-Lito






Components	Part no.	Description
	8 718 531 941	Connection set Solar-Lito on roof
	8 718 531 942	Connection set Solar-Lito flat roof
	8 718 531 940	Series connection set Solar-Lito
	7 709 600 087	Solar-Lito rail 1st panel
	7 709 600 088	Solar-Lito rail additional panel
	7 739 300 436	Standard roof hook plain tile
	7 739 300 281	Standard slate/crown tile hook
	7 739 300 439	Standard roof studs corrugated/ tin roof
	7 747 009 880	Additional collector sensor
	7 739 300 432	Air vent set



## Greenskies solar thermal panel kits







### Solar-Lito roof kit: 1 panel

Part number: 7 716 150 168

Components	Part no.	Quantity	Description
	8 718 532 279	1	Solar-Lito collector
	7 709 600 087	1	Solar-Lito rail 1st panel
	7 739 300 436	1	Standard roof hook plain tile
	8 718 531 941	1	Solar-Lito connection set on-roof
	7 747 009 880	1	Collector sensor

### Solar-Lito roof kit: 2 panels

Part number: 7 716 150 169







Components	Part no.	Quantity	Description
	8 718 532 279	2	Solar-Lito collector
	7 709 600 087	1	Solar-Lito rail 1st panel
	7 709 600 088	1	Solar-Lito rail additional panel
	7 739 300 436	2	Standard roof hook plain tile FKA3
	8 718 531 941	1	Solar-Lito connection set on-roof
	7 747 009 880	1	Collector sensor

## Solar thermal panels

### Greenskies solar thermal panel kits







#### Solar-Lito Mini roof kit: 150L row

Part number: 7 716 150 170

Components	Part no.	Quantity	Description
	8 718 532 280	3	Solar-Lito Mini collector
	7 709 600 087	1	Solar-Lito rail 1st panel
	7 709 600 088	2	Solar-Lito rail additional panel
	7 739 300 436	3	Standard roof hook plain tile
	8 718 531 941	1	Solar-Lito connection set on-roof
	7 747 009 880	1	Collector sensor







#### Solar-Lito Mini roof kit: 200L row

Part number: 7 716 150 171

Components	Part no.	Quantity	Description
	8 718 532 280	4	Solar-Lito Mini collector
	7 709 600 087	1	Solar-Lito rail 1st panel
	7 709 600 088	3	Solar-Lito rail additional panel
	7 739 300 436	4	Standard roof hook plain tile
	8 718 531 941	1	Solar-Lito connection set on-roof
	7 747 009 880	1	Collector sensor

## Solar-Lito Mini roof kit: 250L row

Part number: 7 716 150 172






Components	Part no.	Quantity	Description
	8 718 532 280	5	Solar-Lito Mini collector
	7 709 600 087	1	Solar-Lito rail 1st panel
	7 709 600 088	4	Solar-Lito rail additional panel
	7 739 300 436	5	Standard roof hook plain tile
	8 718 531 941	1	Solar-Lito connection set on-roof
	7 747 009 880	1	Collector sensor

## Solar thermal panels

### Greenskies solar thermal plumb kits






#### Flat plate plumb kit: standard single

Part number: 7 716 150 174

Components	Part no.	Quantity	Description
	8 718 660 881	1	Solar fluid glycol 'L' 20L
	7 747 009 456	1	AGS5e pump station
	7 747 004 420	1	TDS100 controller
	7 739 300 100	1	18L expansion vessel
	7 739 300 331	1	Expansion vessel connection






#### Flat plate plumb kit: standard twin

Part number: 7 716 150 175

Components	Part no.	Quantity	Description
	8 718 660 881	1	Solar fluid glycol 'L' 20L
	7 747 009 442	1	AGS5 pump station
	7 747 004 420	1	TDS100 controller
	7 739 300 119	1	25L expansion vessel
	7 739 300 331	1	Expansion vessel connection

## Flat plate plumb kit: advanced single

Part number: 7 716 150 173

Components	Part no.	Quantity	Description
	8 718 660 881	1	Solar fluid glycol 'L' 20L
	7 747 009 456	1	AGS5e pump station
	7 747 004 427	1	TDS300 controller
	7 739 300 100	1	18L expansion vessel
	7 739 300 331	1	Expansion vessel connection

Unvented stainless steel indirect single coil cylinders

## Greenstore SC Cylinder series

**NEW**

**Greenstore  
SC-90 Cylinder**



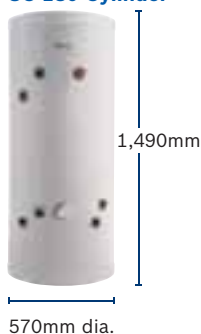
**Greenstore  
SC-120 Cylinder**



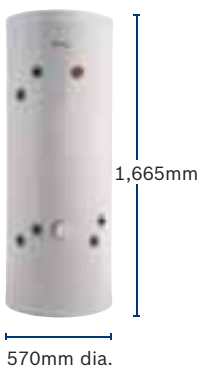
**Greenstore  
SC-150 Cylinder**



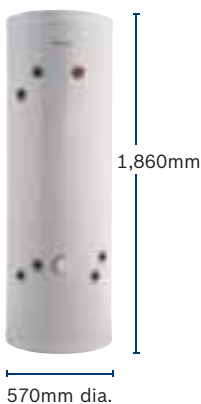
**Greenstore  
SC-180 Cylinder**



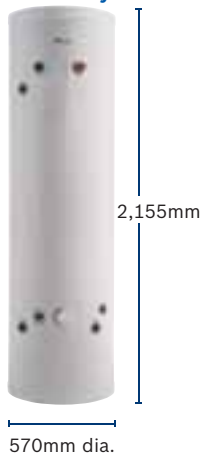
**Greenstore  
SC-210 Cylinder**



**Greenstore  
SC-250 Cylinder**



**Greenstore  
SC-300 Cylinder**



Volume domestic hot water (litres)	Standby heat loss – (kWh/24hrs)	Weight dry (kg)	Part no.
<b>Greenstore SC-90 Cylinder</b>			
93	0.72	26	<b>7 716 842 027</b>
<b>Greenstore SC-120 Cylinder</b>			
123	1.06	31	<b>7 716 842 028</b>
<b>Greenstore SC-150 Cylinder</b>			
161	1.35	36	<b>7 716 842 029</b>
<b>Greenstore SC-180 Cylinder</b>			
191	1.54	40	<b>7 716 842 030</b>
<b>Greenstore SC-210 Cylinder</b>			
216	1.67	44	<b>7 716 842 031</b>
<b>Greenstore SC-250 Cylinder</b>			
246	1.93	48	<b>7 716 842 032</b>
<b>Greenstore SC-300 Cylinder</b>			
292	2.17	54	<b>7 716 842 033</b>

- Manufactured within the Bosch Group.
- Stainless steel cylinder (providing a 25 year guarantee\*)
- Unvented, providing mains pressure hot water
- For use with Worcester system and regular boilers
- Comprehensive accessory and fittings pack
- WRAS and WRC-NSF approved
- 65mm of factory-fitted insulation, producing very low stand-by heat loss
- Multiple sensor/thermostat pockets, allowing flexible and easy system integration with control solutions.

Unvented stainless steel indirect twin coil cylinders

## Greenstore TC Cylinder series

**Greenstore TC-150 Cylinder**



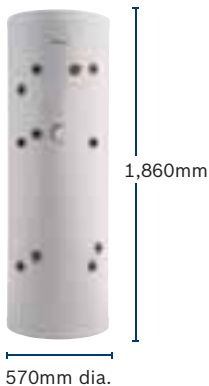
**Greenstore TC-180 Cylinder**



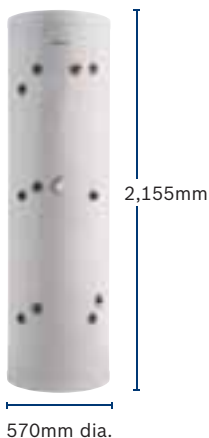
**Greenstore TC-210 Cylinder**



**Greenstore TC-250 Cylinder**



**Greenstore TC-300 Cylinder**





Volume domestic hot water (litres)	Dedicated solar volume (litres)	Standing heat loss performance (kWh/24hrs)	Weight dry (kg)	Part no.
<b>Greenstore TC-150 Cylinder</b>				
158	65	1.35	41	<b>7 716 800 542</b>
<b>Greenstore TC-180 Cylinder</b>				
187	65	1.54	45	<b>7 716 800 543</b>
<b>Greenstore TC-210 Cylinder</b>				
211	105	1.67	50	<b>7 716 800 544</b>
<b>Greenstore TC-250 Cylinder</b>				
241	115	1.93	54	<b>7 716 842 043</b>
<b>Greenstore TC-300 Cylinder</b>				
287	115	2.17	60	<b>7 716 842 044</b>

- Manufactured within the Bosch Group.
- Stainless steel cylinder (providing a 25 year guarantee\*)
- Unvented, providing mains pressure hot water
- Twin-coil for use with two fossil fuel appliances or one fossil fuel appliance and one solar installation
- Comprehensive accessory and fittings pack
- WRAS and WRC-NSF approved
- 65mm of factory-fitted insulation, producing very low stand-by heat loss
- Multiple sensor/thermostat pockets, allowing flexible and easy system integration with control solutions
- Dedicated solar volume in accordance with MCS scheme.

# Useful contacts

In partnership with



energy saving trust™

Energy Saving Trust

Tel: 020 7222 0101

[www.energysavingtrust.org.uk](http://www.energysavingtrust.org.uk)

---



OFTEC

Tel: 0845 65 85 080

[www.oftec.org](http://www.oftec.org)

---



Gas Safe Register

Tel: 0800 480 5500

[www.gassaferegister.co.uk](http://www.gassaferegister.co.uk)

---



Institute of Domestic Heating &  
Environmental Engineers

Tel: +44 [0] 23 80 66 89 00

[www.idhee.org.uk](http://www.idhee.org.uk)

---



Institute of Plumbing and Heating Engineers

Tel: 01708 472 791

[www.ciphe.org.uk](http://www.ciphe.org.uk)

---



Association of Plumbers  
& Heating Contractors

Tel: 02476 470 626

[www.competentpersonsscheme.co.uk](http://www.competentpersonsscheme.co.uk)

---



Heating & Ventilation Contractors Association

Tel: 0207 313 4900

[www.hvca.org.uk](http://www.hvca.org.uk)

---



Heating and Hotwater Information Council

Tel: 01926 430 486

[www.centralheating.co.uk](http://www.centralheating.co.uk)

---



Benchmark

Tel: 0845 600 2200

---



Energy and Utilities Alliance

Tel: 01926 513 777

[www.eua.org.uk](http://www.eua.org.uk)

---



British Standards Institution  
Tel: 0208 996 7070  
[www.bsigroup.co.uk](http://www.bsigroup.co.uk)

---



Worcester, Bosch Group  
Tel: 0330 123 9559  
[www.worcester-bosch.co.uk](http://www.worcester-bosch.co.uk)

---



Buderus, Bosch Group  
Tel: 0330 123 3004  
[www.buderus.co.uk](http://www.buderus.co.uk)

---



Bosch Commercial and Industrial Heating  
Tel: 0330 123 3004  
[www.bosch-industrial.co.uk](http://www.bosch-industrial.co.uk)

---

## Other Bosch companies



Bosch Power Tools  
Tel: 01895 834 466  
[www.bosch-pt.co.uk](http://www.bosch-pt.co.uk)

---



Robert Bosch Domestic Appliances  
Tel: 01908 328 200  
[www.bosch-home.co.uk](http://www.bosch-home.co.uk)

---



Bosch Lawn & Garden  
Tel: 01449 742 000  
[www.bosch-pt.co.uk/gardentools](http://www.bosch-pt.co.uk/gardentools)

---



Bosch Car Services  
Tel: 01895 838 815  
[www.boschcarservice.co.uk](http://www.boschcarservice.co.uk)

---

# Metric & imperial measures

## Imperial to metric units

1 inch	= 25.4 mm	= 2.54 cm
1 foot	= 304.8 mm	= 0.3048 m
1 yard	= 914.4 mm	= 0.9144 m
1 mile	= 1609 m	= 1.609 km
1 square inch	= 645.2 mm <sup>2</sup>	= 6.452 cm <sup>2</sup>
1 square foot	= 929.0 cm <sup>2</sup>	
1 square yard	= 0.8361 m <sup>2</sup>	
1 acre	= 4047 m <sup>2</sup>	= 0.4047 ha
1 cubic inch	= 16387 mm <sup>3</sup>	= 0.016 39 dm <sup>3</sup>
1 cubic foot	= 0.02832 m <sup>3</sup>	= 28.3 dm <sup>3</sup>
1 cubic yard	= 0.764555 m <sup>3</sup>	
1 pint	= 0.5683 litre	= 568.3 ml
1 gallon	= 4.546 litre	= 4.546 kg water
1000 gallons	= 4.546 m <sup>3</sup>	
1 grain	= 0.06480 g	
1 ounce	= 28.35 g	
1 pound	= 453.6 g	= 0.4536 kg
1 ton	= 1016 kg	= 1.016 tonne
0.1 inches water gauge	= 0.25 mbar	
1.0 inch water gauge	= 2.5 mbar	
1 atmosphere	= 1.01325 bar	
1 British thermal unit	= 1055 J	
1 therm	= 105.5 MJ	
1000 Btu/h	= 0.2931 kW	= 1.055 MJ/h
1 horsepower	= 745.7 W	= 2.685 MJ/h
1 Btu/sft <sup>3</sup>	= 0.03796 MJ/m <sup>3</sup> (st)	
1 Btu/sft <sup>3</sup> (dry)	= 0.03723 MJ/m <sup>3</sup> (st)	
1 Btu/lb	= 2326 J/kg	

## Metric to imperial units

1 millimetre	= 0.03937 in		
1 metre	= 39.37 in	= 3.281 ft	= 1.094 yd
1 kilometre	= 0.6214 mile	= 1094 yd	
1 square millimetre	= 0.001550 in <sup>2</sup>		
1 square metre	= 1.196 yd <sup>2</sup>		
1 acre	= 119.6 yd <sup>2</sup>	= 0.0247 hectare	
1 hectare	= 11960 yd <sup>2</sup>	= 2.471 acre	
1 cubic millimetre	= 0.000061 in <sup>3</sup>		
1 cubic decimetre	= 61.02 in <sup>3</sup>	= 0.035 31 ft <sup>3</sup>	
1 cubic metre	= 35.31 ft <sup>3</sup>	= 1.308 yd <sup>3</sup>	= 220.0 gal
1 millilitre	= 0.001760 pint		
1 litre	= 1.760 pint	= 0.2200 gal	= 0.035 ft <sup>3</sup>
1 gram	= 0.03527 oz	= 15.43 grains	
1 kilogram	= 2.205 lb		
1 kilowatt	= 3412 Btu/h		

# Consumer and technical literature, CDs and DVDs

To order any of these items please phone 0330 123 9119 or you can download literature from [www.worcester-bosch.co.uk](http://www.worcester-bosch.co.uk)

<b>Oil</b>	<b>Worcester Part No.</b>
<b>Consumer</b>	
Sales Brochure, Greenstar Oil-fired Products	8-716-110-393-0
<b>Heating professional</b>	
Product guide, Oil-fired and Solar Thermal Heating Solutions	8-716-116-678-0
Tech & Spec, Greenstar Danesmoor System and Regular	8-716-113-356-0
Tech & Spec, Greenstar Heatslave Combi	8-716-116-677-0
Technical Sales Brochure – Greenstar Oil-fired Range	8-716-116-682-0

<b>Gas</b>	<b>Worcester Part No.</b>
<b>Consumer</b>	
Sales brochure, Greenstar Gas Products	8-716-109-642-0
Promotional brochure, Handy Hints	8-716-104-727-0
<b>Heating professional</b>	
Product guide, Gas-fired and Solar Thermal Heating Solutions	8-716-116-713-0
Tech & Spec, Greenstar Gas-fired Regular Range	8-716-116-714-0
Tech & Spec, Greenstar Gas-fired System Range	8-716-116-715-0
Tech & Spec, Greenstar Gas-fired Combi Range	8-716-116-716-0
Technical Sales Brochure – Greenstar CDi Classic & CDi Compact	8-716-116-602-0
Tech & Spec, Greenstar FS CDi Regular	8-716-115-422-0
Tech & Spec, Greenstar Highflow 440/550CDi	8-716-106-250-0
<b>Commercial</b>	
Tech & Spec, Worcester GB162 Gas-fired Commercial Boiler Range	8-716-111-872-0
Tech & Spec, Greenspring CWi47 Instantaneous Water Heater	8-716-116-513-0
Tech & Spec, Worcester Heat Distribution Unit	8-716-116-624-0

<b>Accessories</b>	<b>Worcester Part No.</b>
<b>Worcester controls series</b>	
Tech & Spec, FX Controls	8-716-115-653-0
Tech & Spec, Greenfloor Heating	8-716-116-329-0
Tech & Spec, Greenstore Cylinder	8-716-116-617-0
CondenseSure Brochure	8-716-116-559-0
Greenstar System Filter Brochure	8-716-116-618-0

<b>Renewables</b>	<b>Worcester Part No.</b>
<b>Consumer</b>	
Renewables Brochure	8-716-115-755-0
<b>Heating professional</b>	
Tech & Spec, Greenskies Solar	8-716-110-080-0
Tech & Spec, Greenstore Ground Source Heat Pumps	8-716-112-116-0
Tech & Spec, Greensource Air to Water Heat Pumps	8-716-115-319-0
Tech & Spec, Greensource Air to Air Heat Pump	8-716-115-438-0
Tech & Spec, Greensource Split Air to Water Heat Pumps	8-716-116-619-0
Tech & Spec, Greenstar Plus Hybrid	8-716-116-639-0

<b>Training</b>	<b>Worcester Part No.</b>
<b>Heating professional</b>	
Training Brochure - Information on Courses	8-716-116-110-0





## The installer's choice for quality training.

Worcester has always been committed to setting the industry standard for expert professional training and this is reflected in the scope, course content, training venues and options available to you.

We offer training on our entire range of domestic and commercial heating technologies as well as industry led courses. All our tuition is handled by expert heating specialists, with tried and tested combinations of classroom theory, practical hands-on experience and first class facilities. Our training is everything you would expect from a market leader.





-  Training centres
-  College links training centres



For full details call 0330 123 0166 or visit our website.

# Notes



## Useful numbers

### Enquiries

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

### Sales

Tel: 0330 123 9669

### Spare Parts

Tel: 0330 123 9779

### Technical Helpline (Pre & Post Sales)

Tel: 0330 123 3366

Email: [technical.enquiries@uk.bosch.com](mailto:technical.enquiries@uk.bosch.com)

### Renewables Technical Helpline

Email: [renewable.energy@uk.bosch.com](mailto:renewable.energy@uk.bosch.com)  
or telephone 0330 123 9229

### Training

Tel: 0330 123 0166

### Literature

Email: [literature@uk.bosch.com](mailto:literature@uk.bosch.com) or download instantly  
from our website or telephone 0330 123 9119

Calls to 03 numbers cost no more than a national rate call to an 01 or 02 number and must count towards any inclusive minutes in the same way as 01 and 02 calls. These rules apply to calls from any type of line, including mobile, BT, other fixed phone line or payphone. Calls from mobiles and some other networks may vary. Calls to and from Bosch Thermotechnology Ltd may be recorded for training and quality assurance purposes.

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



In partnership with



energy saving trust™



**WORCESTER**  
Bosch Group

Worcester, Bosch Group,  
Cotswold Way, Warndon,  
Worcester, WR4 9SW

Worcester, Bosch Group 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. 8 716 116 678 0 Issue C 01/14