



# **Greenstar 1000 Installer guide**

The ultimate budget boiler



# Greenstar 1000 **Budget never looked this good**

Focus on the price tag and you could mistake the new Greenstar 1000 for any budget boiler, but this isn't your average entry-level option. 100% Worcester Bosch quality on the inside, beautiful design on the outside, and easy to install in smaller homes - the new Greenstar 1000 is everything you'd expect of a Worcester Bosch boiler. Everything except the price.

For customers where price is their number one consideration, you can now offer them the reassurance of the number one boiler brand. With our ultimate budget option, everybody can warm to a Worcester Bosch boiler.







### Why install the Greenstar 1000?



#### Guaranteed

5 years peace of mind\*



**Easy PRV installation** 

Installer-friendly location



#### **Cupboard-fit**

Fits in a standard cupboard



# Rear piping option

Flexibility for all installations



#### Lightweight

One person lift, at only 26kg



#### Service accessibility

Easy access to components

# The ultimate budget boiler

The Greenstar 1000 has been designed with installers in mind. We've considered lift weight. cupboard fit size and the overall installation and servicing experience.

And after installing our brand new boiler across the UK, here's what installers have to say...

### So simple to install, great PRV and condensate location.

Stephen Curtis @ Cosy Heat Glasgow **East and West Scotland** 

# A pleasure to fit, installed in a cupboard and an easy one person lift.

Andy Norton @ Norton's Heating

Really well thought out boiler, perfect for the landlord market.

Gary Campbell @ Thames Flame Middlesex



Scott @ S Wakefield Plumbing & Heating **West Midlands** 



# Quality, beauty, and economy all-in-one

# Lightweight and compact design

At only 26kg, the Greenstar 1000 is an easy one-person lift. Its weight and compact design make it a great choice for kitchen cupboard installs.



#### **Easy access components**

The one-box design provides frontpanel access to all key components, including the primary heat exchanger, for easy installation and servicing.



The whole team at Worcester Bosch is really proud of the Greenstar 1000. It's a great product at a great price.

Olly Gwilliam, Worcester Bosch Product Manager

#### **Installer-friendly connections**

All hydraulic connections are in-line and 35mm from the rear of the appliance. A gas pipe tail is also provided to centralise the connection and the PRV is perfectly located for installer access.





# Vertical pre-piping assembly kit

The vertical pre-piping assembly kit comes pre-bent, with swaged ends for easy soldering, making installations up to 30 minutes faster. This kit is designed to fit perfectly with our rear spacer frame accessory.



#### **Condensate trap**

The condensate trap comes with a simple push fit connection and is easily removable. External termination of condensate is flexible and possible up to 3m (insulated pipe).



# Rear spacer frame accessory

The rear spacer frame accessory allows wall mounting with 35mm space behind the boiler for vertical piping, for quicker and neater installations.

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# The inside story

#### One-box design for easy access to all components New front access heat exchanger, for easier cleaning and maintenance 6 litre expansion vessel Fan delivering up to 30kW hot water, at up to 9m maximum flue Accessible automatic length 60/100mm air vent Front access PRV Low energy ErP Secondary plate heat modulating pump exchanger, simple to remove with just one screw Pressure gauge for initial fill Easy access condensate trap Selectable cold water inlet silencer for high mains pressure areas 230v controls and mains interface

# **Technical data**

Model		1000 24kW	1000 30kW
Part number		7 736 902 178	7 736 902 179
ErP space heating efficiency class		A / 93%	A / 93%
ErP hot water efficiency class		A	A
Dimensions	Width	395mm	395mm
	Height	655mm	655mm
	Depth	285mm	285mm
Clearances	Above flue	30mm*	30mm*
	Sides	2.5mm	2.5mm
	Below	200mm	200mm
	Front	15mm**	15mm**
Flow rate at the hot water (35°C ΔT)		9.8 l/min***	12 l/min***
Output kW to central heating (CH)		5.2kW-24kW	6.4kW-24kW
Sound power level dB(A)		52	52
Maximum flue length (60/100mm)		9m horizontal & 9m vertical	9m horizontal & 9m vertical

<sup>\*</sup> Distance above cabinet for cleaning when vertical flues are used.

Related accessories	Part number
Rear Spacer Frame	7 736 902 620
Vertical Pre-Piping Assembly Kit	7 736 902 627
Greenstar System Mini Filter 22mm	7 733 600 266
Greenstar System Filter 22mm	7 733 600 236
Greenstar System Filter 28mm	7 733 600 237
Remote PRV Kit	7 733 601 314
CondenseSure	7 716 192 746

Flues	Part number
Standard Telescopic Flue and Terminal (White)	7 716 191 082
Extension Flue Kit (960mm)	7 716 191 083
Short Flue Extension (220mm)	7 716 191 113
90° Flue Bend	7 716 191 084
45° Flue Bend	7 716 191 085
Support Bracket Kit	7 716 191 177

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<sup>\*\* 15</sup>mm 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.

\*\*\* Minimum pressure required to achieve maximum flow rate = 1.5bar.

# 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

**Spare Parts** 

Tel: 0330 123 9779

Email: spares.mailbox@uk.bosch.com

**Controls Helpline** 

Tel: 0330 123 3641



**Training** 

Tel: 0330 123 0166

Email: training@uk.bosch.com worcester-bosch.co.uk/eacademy

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#### **Worcester Bosch**

Cotswold Way Warndon Worcester WR4 9SW

worcester-bosch.co.uk

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