

ecoMAX pro

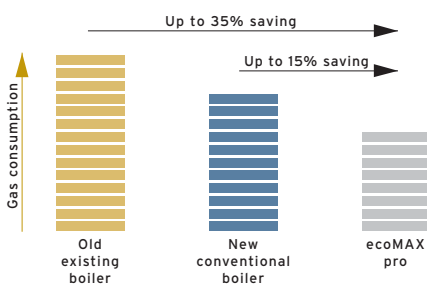


High efficiency
condensing boiler range
for traditional systems



High performance for traditional systems

A first for Vaillant - the ecoMAX pro high efficiency condensing boiler range. Delivering outstanding fuel efficiency and low emissions, ecoMAX pro is the high performance solution for boiler replacements and new installations on traditional open vented heating systems.



The ecoMAX pro boilers offer a wide range of features allowing easy installation and servicing, excellent siting versatility, together with simple commissioning and servicing. What's more - it's all backed up with a full 2-year guarantee.[†]

Utilising Vaillant market-leading condensing technology, ecoMAX pro offers exceptional product quality and reliability.

ecoMAX pro - the high performance solution for traditional systems.



Energy Efficiency Recommended is an Energy Saving Trust initiative backed by the government. The logo is only found on products that have been carefully selected for their energy efficiency. Buy where you see the sign and help save energy, money and the environment.



The mark of quality for domestic heating

Vaillant is a member of the Benchmark initiative and fully supports the aims of the programme. Benchmark has been introduced to improve the standards of installation and commissioning of central heating systems in the UK and to encourage the regular servicing of all central heating systems to ensure safety and efficiency.

[†] The 2 year guarantee covers against manufacturing defects and provides for the replacement of defective parts with new parts and any related labour costs, providing that such works are carried out by a Vaillant Engineer or Vaillant appointed agent. For the guarantee to be valid an annual service must be carried out by a CORGI registered installer. The cost of this annual service is not included in the guarantee.



Exceptional performance

Utilising the latest energy saving technology, ecoMAX pro achieves the highest SEDBUK Band 'A' efficiency rating. Installed on a traditional open vented heating system, ecoMAX pro captures otherwise wasted heat and so uses fuel more economically. End users benefit from improved performance and lower running costs over conventional boilers.

At home in any kitchen

With compact dimensions, great styling and no requirement for compartment ventilation, ecoMAX pro is simple to fit even in confined spaces.

Easy installation

Low lift weight, compression connections for all pipework and push-fit flues save installation time and aid boiler replacement applications.

Simple commissioning and servicing

ecoMAX pro incorporates a new comprehensive boiler display system showing status and diagnostic information for easy commissioning and subsequent service work.

Complete system performance

ecoMAX pro is for use with a traditional open vent heating system incorporating a hot water cylinder to provide highly efficient operation. ecoMAX pro may also be used on sealed central heating systems utilising the normal external sealed system components. It may also be used with the new Vaillant uniSTOR unvented hot water cylinders to provide a total heating and hot water solution.

Quality and reliability

Vaillant has developed and supplied products that have shaped the heating industry - setting new standards for performance, quality and reliability.

This experience has been applied to the new ecoMAX pro high efficiency boiler range for traditional open vented systems.

Flow/return connections

Provided with 22mm compression couplers for easy installation

Push-fit flueing

A wide range of flue options, all with push-fit connections provides total flexibility of siting

Main heat exchanger

High performance, circular stainless steel heat exchanger allows more heat to be extracted by recapturing otherwise wasted heat

Fully modulating low NOx burner

Automatically matching heat output to demand, achieves best class emissions within European standards (Class 5)

Single electronic circuit board

Simplifies commissioning and servicing

Boiler display system

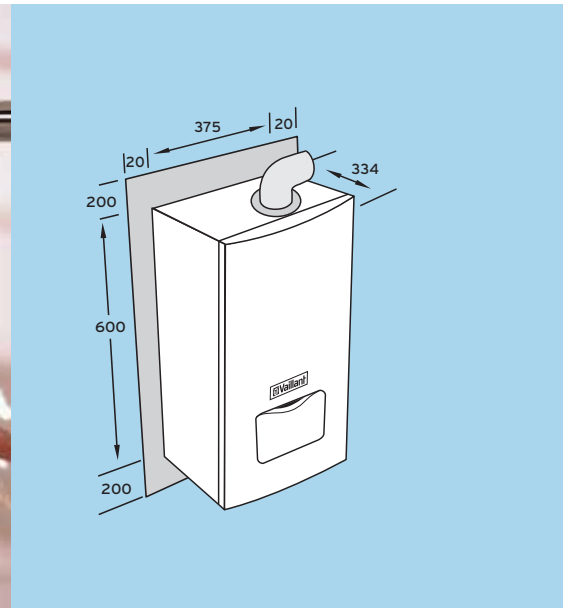
Provides status and diagnostic information for easy commissioning and servicing



2year
guarantee

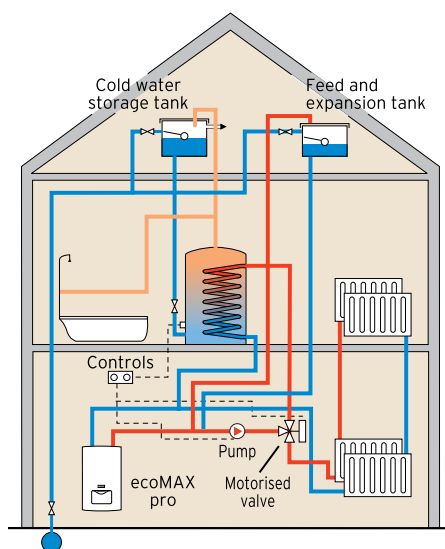
At home anywhere

Designed to allow maximum flexibility, ecoMAX pro fits neatly into almost any space.



With compact dimensions and a minimum system water head of 1 metre, ecoMAX pro is ideally suited for most boiler replacement applications.

No requirement for air vents also means that the boiler is easily sited in cupboards and compartments.



Note hot water cylinders:
ecoMAX pro may be used with both vented and unvented hot water cylinders and may be used with uniSTOR unvented cylinders.

Simple installation

and servicing

Every feature built into ecoMAX pro has been designed with ease of installation and servicing in mind.



Well connected

Compression couplers are provided with the boiler and straightforward electrical connections have been designed to make installation simpler.



And well protected

To protect the boiler in freezing conditions a built-in frost thermostat automatically operates the burner and system pump, providing frost protection and minimising gas consumption.

Simple to operate and commission

All boilers are factory set and checked, and the fully modulating burner means that no range rating is required.

The ecoMAX pro features a boiler display system which shows status and diagnostic information for easy commissioning and subsequent service work.

Normal mode

Displays boiler flow temperature and modulating output indication



Fault mode

Highlights system faults at a glance e.g. F1 no gas supply



The drop down control box provides easy access to all components, facilitating commissioning and servicing.

In control

The controls cover opens to reveal the boiler display and handy user instructions.

Customer support services



The after sales service and support behind every Vaillant boiler is part of the quality package that has helped Vaillant to build a unique reputation within the industry.

- engineers on call 364 days a year, 7 days a week
- next working day call out policy
- feedback to installer for installer booked in-warranty calls
- end user courtesy telephone call post engineer visit

Extended opening hours :
Mon - Fri 8am - 8pm
Sat - Sun 9am - 4pm

For more details just call Vaillant Service on **0870 6060 777**.

Vaillant offers an extensive range of training courses at five fully equipped training centres strategically located across the country. There are courses covering our entire product range and as well as tailor-made and specialist equipment training, we offer a course specially designed to improve sales skills. We are also an approved provider of ACS assessment and the Certificate in Energy Efficiency for Domestic Heating.

For full details of our current courses please contact our Training Department.

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Optional controls



VRT 30 Room thermostat

This compact room thermostat keeps the room temperature at the desired comfort level. Proper control of heating can also reduce heating costs. For example, a 1°C reduction in room temperature can save up to 10% on heating costs. The VRT 30 is suitable for use in 230 V external control systems.



Programmable digital room thermostat - VRT 230

This room thermostat offers full digital time and temperature control of central heating and operates in either 24 hour or 7 day mode, with 3 independent time windows per day. Built-in functions include night setback and holiday programmes with a manual override facility.



Flues and flue accessories

Maximum flue lengths*	ecoMAX pro 18E	ecoMAX pro 28E
Horizontal condensing flue system 100mm diameter ¹	10.0m	10.0m
Vertical condensing flue system 100mm diameter ¹	10.0m	10.0m
Horizontal condensing flue system 125mm diameter ²	20.0m	20.0m
Vertical condensing flue system 125mm diameter ²	20.0m	20.0m

*Measured to the end of the horizontal /vertical terminal

1. This is the standard system for ecoMAX pro boilers. The maximum length must be decreased by 1 metre for each additional 87° elbow or pair of 45° bends.

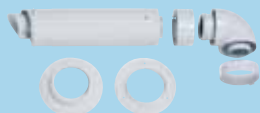
2. This is an optional flue system for ecoMAX pro boilers where longer flue lengths are required. The maximum length must be decreased by 2.5 metres for each additional 87° elbow and 2 metres for each pair of 45° bends. Optional boiler flue outlet adaptor (accessory 303907) will be required.

High efficiency flue accessories	Standard 100mm Ø	Optional 125mm Ø
	Accy. Number.	Accy. Number.
Horizontal air/flue duct with elbow and terminal (754mm)	303933	N/A
Horizontal air/flue duct with elbow and terminal (1000mm)	N/A	303209
Boiler flue outlet adaptor (Ø100mm to Ø125mm)	N/A	303926
Horizontal telescopic air/flue duct	303936	N/A
Vertical air/flue duct and terminal	303900	303200
Flat roof penetration collar	009056	009056
Pitched roof adjustable roof tile	009076	009076
Flexible pitched roof seal	303980	303980
87° elbow	303910	303210
Two 45° bends	303911	303211
Air/flue duct extension (470mm)	303902	303202
Air /flue duct extension (970mm)	303903	303203
Air /flue duct extension (1970mm)	303905	303205
Telescopic air/flue duct extension (440-690mm)	303906	N/A
Telescopic offset	303919	N/A
Sliding sleeve	303915	303215
Flue support clips (box of 5)	303821	303616
Adjustable flue support clips (box of 3)	303935	N/A
Black terminal kit for horizontal air/flue duct	303934	N/A

High efficiency flue accessories



Horizontal air/flue duct with elbow and terminal



Horizontal telescopic air/flue duct



Variable Termination Kit (VTK)



Black terminal kit for horizontal air/flue duct
Adjustable flue support clips (box of 3)
Flexible pitched roof seal

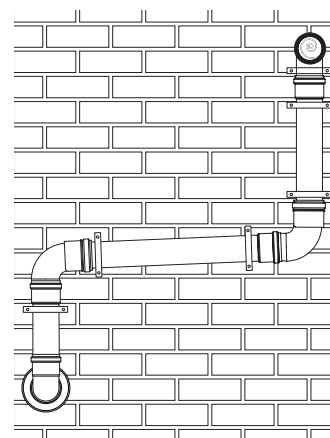
Variable Termination Kit (VTK) and components

For use with Ø100mm flue only (303933 and 303936)

Description	Accy. Number
Variable Termination Kit - black	303942
VTK extension pipe 1m - black	303943
VTK 87 degree elbow - black	303944
VTK 45 degree bends (2 pcs) - black	303945
Variable Termination Kit - white	303946
VTK extension pipe 1m - white	303947
VTK 87 degree elbow - white	303949
VTK 45 degree bends (2 pcs) - white	303948

Flues and flue accessories

There are two condensing flue systems available for ecoMAX pro. The standard 100mm diameter condensing flue system, and an optional 125mm diameter condensing flue system where longer flue lengths are achieved.



A range of flue extensions and accessories are available for both horizontal and vertical flue options. All flues feature simple push-fit connections and a smart white finish.

Technical Specification

ecoMAX pro	18E	28E
Flue type	RSF	RSF
CH heat output range kW (80°C flow/60°C return) (Btu/h)	5.0 - 18.6 16,900 - 63,400	5.3 - 28.2 17,900 - 96,100
CH heat output range kW (50°C flow/30°C return) (Btu/h)	5.4 - 20.0 18,300 - 68,300	5.8 - 30.6 19,900 - 104,300
Maximum CH heat input (net) kW	18.9	28.6
Connections		
Heating flow/return mm	22	22
Gas inlet mm	15	15
Condensate drain (internal diameter min.) mm	19	19
Electrical connection V/Hz	230/50	230/50
Dimensions		
External case height (excl. flue) mm	600	600
External case width mm	375	375
External case depth mm	334	334
Weight approx. kg	31	33
SEDBUK Band %	A 90.5	A 90.6

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