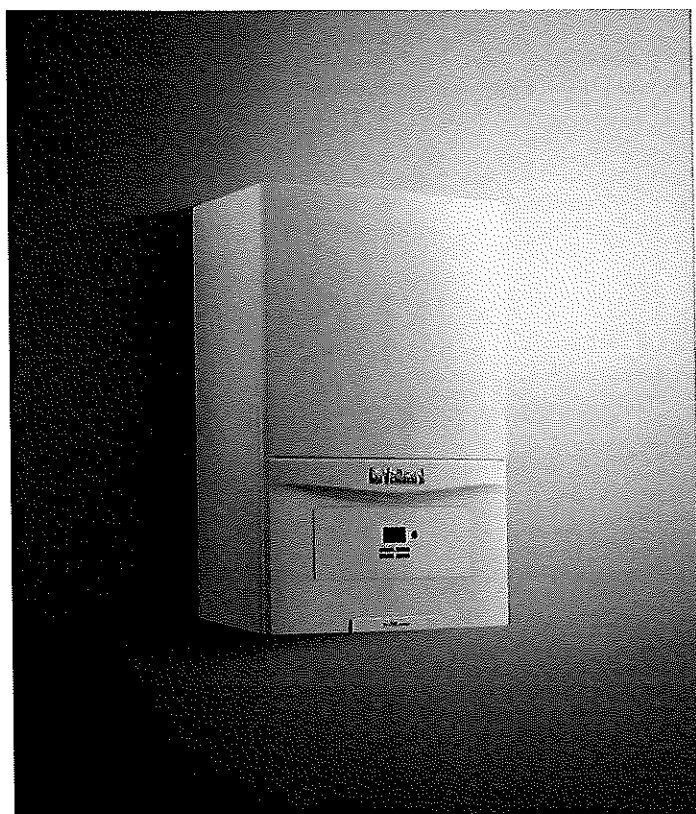


URL

<http://www.vaillant.co.uk/for-installers/products/ecotec-sustain-24-28-34kw-28928.html>

Path

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ecoTEC sustain 24, 28, 34kW

Combination boiler range

- Exclusively designed with specifiers in mind
- Quiet Mark awarded
- Hand-built in our award-winning Derbyshire manufacturing plant
- High quality stainless steel heat exchanger designed for long life and easy maintenance
- New condensate trap with safety back-up

Combination boiler range

The ecoTEC sustain is a new generation of boiler, designed for premium specification with easy use, longevity and low maintenance firmly in mind.

General information

The ecoTEC sustain range of combination boilers feature a high-quality stainless steel heat exchanger, designed with front access for ease of service, resulting in less time and money spent on repairs and ensuring your tenants' peace of mind.

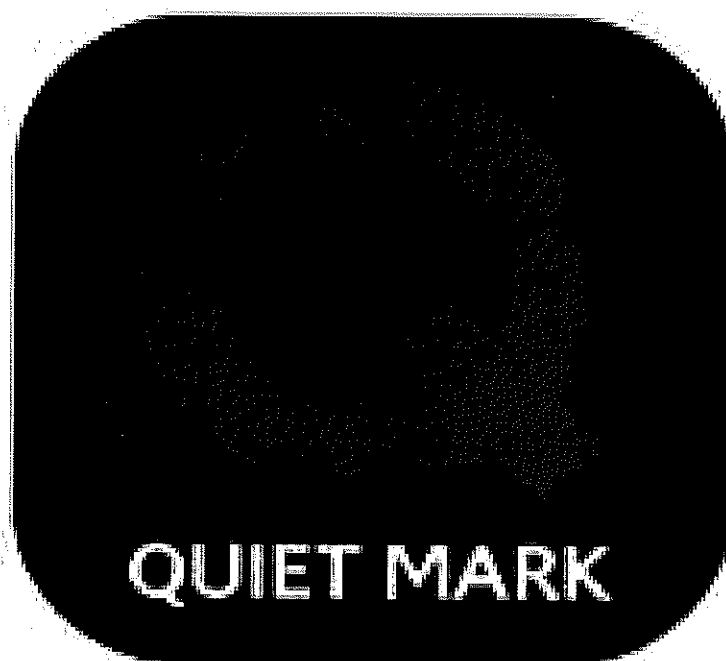
The range features 24, 28 and 34kW combination models to suit all types of tenant properties. Where a specification requires a system or open vent boiler, ecoFIT pure products can be used.

Features & benefits

- Compact dimensions: 720mm (H) x 440mm (W) x 338mm (D) - For flexible siting options (ecoTEC sustain is the same size as ecoTEC pro)
- High-quality heat exchanger - Stainless steel heat exchanger designed for long life and easy maintenance
- Removable side panels and push-fit flue system - For improved accessibility and ease of installation
- Modulating low NOx burner and fan - Lower emissions to fulfill social housing green credentials
- Recognised Grundfos high-efficiency pump - Modulating high-torque pump uses low energy to deliver a balanced output to meet the boiler demand, helping to reduce energy consumption
- New condensate trap with safety back-up - Removable from the base of the appliance for easy install and maintenance
- Large illuminated blue on black LED display - Easy-to-read boiler display wherever it is sited with simple fault code identifications
- Compatible with aroTHERM air-to-water heat pump hybrid system - Making the perfect entry into renewable systems
- Familiar footprint and flue position - Makes replacing an existing ecoTEC pro with an ecoTEC sustain quicker and easier; compatible with all existing Vaillant flue components
- Controls compatibility - The wide range of Vaillant room thermostats, wired and wireless controls including the vSMART™ app-based control with weather compensation to lower running costs for tenants
- ErP 'A' rated product - Suitable for both refurbishment and new build with lower running costs to reduce tenant heating bills

Useful videos

[Vaillant production line](#)



Quiet Mark awarded

Quiet Mark is the international award for excellence in quiet product design and is awarded to worldwide manufacturers of the quietest products.

[See more on the ecoTEC sustain combi boiler >](#)

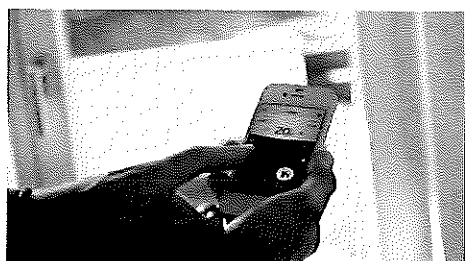
Specifications

Technical data	Unit of measure	ecoTEC sustain 24	ecoTEC sustain 28	ecoTEC sustain 34
General				
Boiler type		combi	combi	combi
Signature model output		24kW	28kW	34kW
Article number		0010019980	0010019981	0010019982
Gas Council number		47-044-79	47-044-80	47-044-81
Boiler dimensions (HxWxD)	mm	720 x 440 x 338	720 x 440 x 338	720 x 440 x 338
Heating				
Nominal heat output range at 50/30°C (Condensing mode)	kW	7.0 - 20.1	8.0 - 20.1	9.1 - 19.9
Nominal heat output range at 80/60°C (Non condensing mode)	kW	6.4 - 18.5	7.4 - 18.5	8.4 - 18.5
Maximum flow temperature	°C	80	80	80
Flow temperature range	°C	30 - 80	30 - 80	30 - 80
Flow temperature factory setting	°C	75	75	75
Approximate condensate volume at 50/30°C	litres/hr	1.87	1.87	1.87
Modulation (max/min)	1 : X	1:3.8	1:3.8	1:4
Domestic Hot Water				
Maximum heat output for water generation	kW	24.3	28.1	34.0
Lowest water pressure to operate boiler	bar	0.3	0.3	0.3
Lowest water flow for operation	l/min	1.7	1.7	1.7
Lowest water pressure for maximum flow rate	bar	0.8	0.8	0.8
Domestic hot water flow rate (at DT = Δ35K)	l/min	9.9	11.6	14.1
Hot water output temperature range	°C	35 - 60	35 - 60	35 - 60
Mechanical				
Expansion vessel size	litres	8	8	8

Technical data	Unit of measure	ecoTEC sustain 24	ecoTEC sustain 28	ecoTEC sustain 34
Gas inlet connection (pipe size)	mm	15	15	15
Heating flow and return connections (pipe size)	mm	22	22	22
Hot and cold water connections (pipe size)	mm	15	15	15
Heat exchanger material	Stainless/Aluminium	Stainless Steel	Stainless Steel	Stainless Steel
Boiler lift weight (dry boiler)	kg	30.8	30.8	32.8
Performance				
NOx class		5	5	5
NOx (En 15502-2-1)	mg/kWh	32.8	34.2	31.1
ErP efficiency	%	92	92	92
ErP decibel rating (sound power)	dBa	49	48	43
Fluing options				
Maximum horizontal flue length 60/100	m	9	9	10
Maximum vertical flue length 60/100	m	10	10	11
Maximum horizontal flue length 80/125	m	23	28	31
Maximum vertical flue length 80/125	m	23	28	31

Show less X

Related Products



vSMART™ intelligent room control with app

- Smart phone app for both Android and Apple iOS application
- Self learning
- Weather compensation



Vaillant VRT 350 heating control

- Easy to use with flexible functions
- Choose between wired and wireless controls
- Reduce your energy bills by using the minimum energy required



Vaillant VRT 50 Room Thermostat

- Simple to use
- Digital display of current room temperature
- Compatible with the timeSWITCH 150

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ecoTEC sustain brochure

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Installation manual



Installation manual

ecoTEC sustain combi installation and maintenance instructions

Device Type

24, 28, 34

Size

9.93 MB



Installation manual

ecoTEC sustain flue installation instructions

Size

1.65 MB

Product Bulletin



Product Bulletin

Heat exchanger maintenance requirements and service intervals

Size

417.91 KB

User Guide



User Guide

ecoTEC sustain combi operating instructions

Device Type

24, 28, 34

Size

439.83 KB

