



Heating



Hot water



Renewables

Catalogue 2026





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The Vaillant Group

Vaillant is proud to be part of the worldwide heating and hot water corporation Vaillant Group, a family-owned business that was founded by Johann Vaillant in his workshop in Remscheid, Germany in 1874.

Over 150 years ago, Johann patented a new closed-system gas-fired bathroom boiler which was the first heating product manufactured by Vaillant. Through the years, Vaillant's technical innovations have continued. We launched a central heating boiler in 1924 which was marketed alongside the classic gas-fired water heaters. It was the beginning of central heating as we know it today. And, in 1967 'Combi Geyser' was launched which combined central heating and hot water supply for the first time ever.

Since these revolutionary inventions, Vaillant has continued to drive the evolution of heating technologies. In 2020, Vaillant launched the first air source heat pump using R290 refrigerant, the game-changing aroTHERM plus. At Vaillant, we consistently create new cutting-edge products, while always striving to put our customers first. Our continued support in the gas boiler market includes the next generation ecoTEC plus, which is designed for ease of installation, and incorporates digital technology to ensure maximum efficiency for the end user.

Today, Vaillant is still setting the standard in the heating industry, focused on delivering full heating system solutions that will stand the test of time, whilst supporting installers, specifiers and commercial partners for life. Through developing highly efficient heating appliances, digital heating solutions and providing excellent training offerings that are truly crafted with our customers' needs at heart.





HAMZA GROUP

We're a team of more than 275 talents serving the commercial business and 107 talents in the industry, managing a diverse product portfolio to provide top-notch high quality water solutions systems that include Pumps & Pressure Boosting, Water Management, Clean Water Treatment and Filtration, Water Accessories, Domestic Piping, Heating and Boiling

At Hamza Group, we are focused on becoming the region's producer for sustainable and integrated water solutions. This is our vision, to become the number one name in such a huge domain.

Our mission is to offer integrated water solutions that provide sustainability through our peerless technical skills, persistence and efficiency, in addition to our product innovation. We are working on transforming the water industry to build lasting relations with our clients.





Electronic VED for DHW

Fully electronic for warm water “made to measure”: electronicVED

The new fully electronic Vaillant instant water heater electronic VED exclusive in its flat, elegant design fits into every kitchen or each bath room. Its innovative technique cares for energy and water savings, while supplying warm water at the exactly desired temperature – up to the degree centigrade.

Constantly the desired temperature without any effort: electronicVED

Warm water at the desired temperature is always supplied by the electronicVED plus – up to the exact degrees centigrade.

The micro processor in the electronicVED plus detects and regulates the needed heating power by means of the inlet temperature and the water flow. Thus it does never consume more than the really required energy while always assuring highest warm water comfort.

Proper performance for everyone: electronic VED



The new generation of electric instantaneous water heaters is again a striking proof of Vaillant´s leadership in innovation. Each appliance offers a vast variety of convenience features, all combined in a brand new design.

Extremely comfortable in use and tailored to individual demands it combines economical hot water technology and durable quality "made in Germany".

At the same time the uniform and reliable product concept is the guarantor of an overall easy-to-operate, easy-to-install and easy-to-service appliance. Smoothed shaping and low appliance depth make the appliances easy to integrate in each and any home.

Electronic VED

for DHW



GREEN
iQ

Overview

ElectronicVED is extremely comfortable in use and tailored to individual demands and overall easy-to-operate, easy-to-install and easy-to-service appliance.

Features & benefits



Compact dimensions

Flat design



Patented condensate trap

Easy install with a safety back-up.



Front access for service and maintenance

For decentral warm water supply,
applicable to your demand

Technical data	Unit of measure	VED 18 kW	VED 21 kW	VED 24 kW	VED 27 kW
General					
Type of Controls		Electronic			
Nominal output	kW	18	21	24	27
Article number		0010023785	0010023786	0010023787	0010023788
Weight	kg	4,4			
Boiler dimensions (H x W x D)	mm	481 x 240 x 100			
Performance					
Power supply	V/Hz	400V / 50Hz / 3 / PE			
Power Warm / cold water connection		G 1/2"			
Heating					
Maximum inlet hot water temperature	°C	55	55	55	25
Mechanical					
Water capacity	l	0,4			
Maximum electrical output	kW	18	21	24	27
Maximum Intensity of current	A	26	30,3	34,6	39
Circuit breaker required	A	32	32	40	40
Electrical protection		IP25			

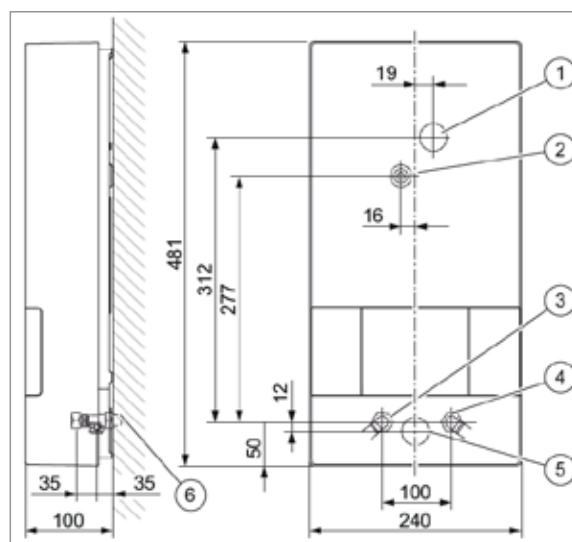
electronic VED (VED E)

Flow rate limiter to ensure that the target temperature is reached
Housing of UV-resistant ABS
Max. outlet temperature : 55 ° C
7-segment display for hot water temperature tracking
The display may be changed and positioned top of the appliance

Delivered elements

- 1 Cable trunking, top
- 2 Fastening point
- 3 Hot water flow (G 1/2")
- 4 Cold water inlet (G 1/2")
- 5 Cable trunking, bottom
- 6 Threaded nipple (G1/2")

Dimensions in mm





CONDENSING BOILERS GAS-FIRED WALL-HUNG

What does condensing technology stand for?

With condensing technology, the flue gases are cooled down until the water vapour contained in these flue gases becomes liquid.

During this transformation process, the energy contained in the flue gases is recovered and transmitted to the heating water; this energy is lost in case of conventional boiler operation.

Thus, condensing technology allows to reduce the gas consumption and protect the environment.

Condensation: a special technology

For the condensing technology, special materials must be used for all boiler parts in contact with the condensate as it is acid.

Furthermore, to improve the performance of its appliances, Vaillant uses pre-mixed burners. This technology ensures a constant efficiency along the entire boiler modulation range.





Extremely acid condensate

The condensate produced have an extremely aggressive impact on the materials they get in contact with.

The main heat exchanger of the ecoTEC pure is made of stainless steel in order to be absolutely resistant to the acidity of the condensate.

After flowing through the boiler, the condensate is drained to the sewer system.

Here, heed must be paid to the fact that the sewer pipe must be made of PVC.

In case of a copper or steel pipe, the installer will have to install a condensate neutraliser.

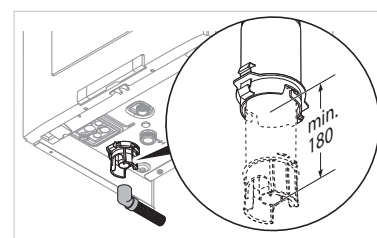
The specific installation aspects of a condensing boiler

The installation of a condensing boiler is only slightly different from conventional boiler installation. However, some precautionary provisions must be taken into consideration :

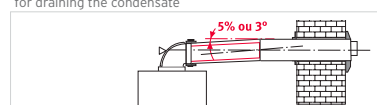
slope of the air/flue duct :

compared to a conventional boiler air/flue duct, the slope must be reversed : as a matter of fact, the condensate must be concentrated towards the boiler to be drained and discharged via the sewer system.

the condensate trap (siphon) of the boiler must be connected to the sewer. Here, attention must be paid to the material of the sewer pipe (in case of a copper or steel pipe, a condensate neutraliser must be provided).



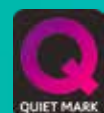
The connection of the condensate trap (siphon) from the boiler to the sewer for draining the condensate



Note : The terminal of the air/flue duct delivered by Vaillant includes already this slope. It must be mounted horizontally. The air/flue pipes, however, must have a slope of 3 to 5%.

ecoTEC pure

Condensing



Overview

The ecoTEC sustain range of combination boilers have been designed especially for the specification market with ease of use, maintenance and reliability in mind.

The ecoTEC sustain has a highly efficient stainless steel heat exchanger that delivers a high SAP rating, ensuring compliance with building regulations.

Features & benefits



Compact dimensions

For flexible siting options (ecoTEC sustain has the same footprint as the ecoTEC pro).



Patented condensate trap

Easy install with a safety back-up.



Front access for service and maintenance

For quick and efficient access once installed in a property.



Compatible with aroTHERM air source heat pump hybrid system

The perfect entry into renewable systems.



ErP 'A' rated product

Suitable for both refurbishment and new build specifications, reducing energy use.



Fully modulating burner, with low NOx

The burner matches the system load effectively and reduced NOx helps keep air clean.



High-quality heat exchanger

Stainless steel heat exchanger designed for long life and easy maintenance.



Grundfos high-efficiency pump

Modulating high-torque pump uses less energy, reducing carbon outputs.

Technical data	Unit of measure	ecoTEC pure VUW 246/7-2 (Combi)	ecoTEC pure VU 246/7-2 (System)	ecoTEC pure VUW 286/7-2 (Combi)
Heating				
Minimum / nominal output (80 / 60 °C)		6,5 / 18,5	6,5 / 18,5	7,5 / 24
Minimum / nominal output (50 / 30 °C)		7,2 / 20,2	7,2 / 20,2	8,3 / 26,1
Efficiency (80 / 60 °C)		96,9	96,9	97,0
Partial load efficiency (30%) at 40/30°C		107,8	107,8	107,8
Minimum flue gas temperature		44	44	41
Maximum flue gas temperature		85	85	95
Maximum electrical power absorbed		100	100	110
Minimum heating flow temperature		30	30	30
Maximum heating flow temperature		80	80	80
Gas category		II2H3P	II2H3P	II2H3P
NG - G20 connection pressure		20	20	20
P - G31 connection pressure		37	37	37
Rated consumption G20		2,6	2,6	3,0
Rated consumption G31		1,7	1,7	1,9
Expansion vessel capacity		8	8	8
Max. operating pressure heating circuit		3	3	3
Max. condensate quantity at 50 / 30 °C at nominal output		1,91	1,91	2,48
Domestic hot water				
Nominal heat output DHW		6,6 - 24,0	-	7,7 - 28,0
Temperature range (adjustable)		35 - 60	-	35 - 60
Specific flow rate ($\Delta T = 30$ K - EN 13203)		11,5	-	13,5
Minimum DHW flow rate		1,7	-	1,7
Classification of dhw comfort pursuant EN 13203		**	-	**
Dimensions and others				
Height / Width / Depth		720 / 440 / 338	720 / 440 / 338	720 / 440 / 338
Weight (empty)		30,8	30,8	30,8
Power supply		230 / 50	230 / 50	230 / 50
Electrical voltage min / max		193 / 253	193 / 253	193 / 253
Electrical protection		IPX4D	IPX4D	IPX4D
Type approval		C13, C33, C43, C53, C83, C93, B23, B33, B53 , B53P		
CE certification n°		CE-0063CR3775	CE-0063CR3775	CE-0063CR3775
NOx class		6	6	6
Article Number		0010023030	0010023033	0010023035

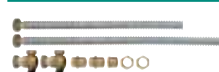
Simplicity

Primary and secondary heat exchangers made of stainless steel
Available as natural gas version that can be converted to propane

Accessories



Connection accessories 0020235519



Connection accessories of a system boiler with DHW exchanger 0010030692

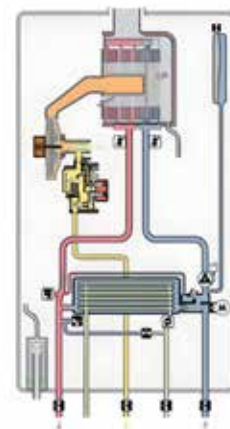
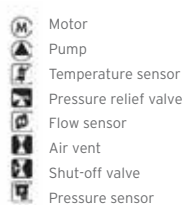
Horizontal air/flue duct Ø 60 / 100 (VH) 0020219517

Vertical air/flue duct Ø 60 / 100, black terminal (VV) 0020220656

Vertical air/flue duct Ø 60 / 100, brick-red terminal (VV) 0020220657

Conversion kit NG → P + instruction 0020241660

ecoTEC pure scheme





CONVENTIONAL BOILERS GAS-FIRED WALL-HUNG

Vaillant manufactures one of the largest ranges of boilers in the world and has its own renewables portfolio. From simple boilers for small dwellings to complex hybrid systems for commercial premises, Vaillant has a solution for every building's requirements.

Our core business is our award winning domestic boiler range. Vaillant produces wall-hung boilers with outputs from 10kW to 64kW and has open vent, system and combination models. With a wide range of flue options and a vast catalogue of accessories, including our own range of cylinders, we are confident we have a solution for every installation. We can even offer a unique combination storage boiler that has a 21 litres per minute flow rate.

Vaillant also manufactures boilers for commercial installations. Vaillant's commercial portfolio consists of large output wall-hung and floor-standing boilers with compatible cascade rigs and accessories to cater for simple and large scale projects

Operational safety and reliability

With this boiler, the focus is on operational safety and reliability as well as accessibility of the components for ease of maintenance.



Why to opt for an atmospheric boiler (open-flued)

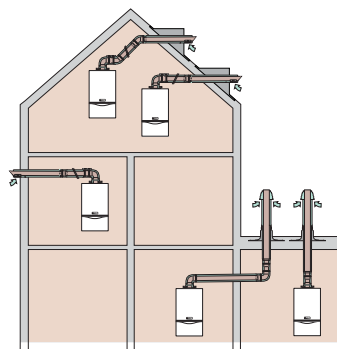
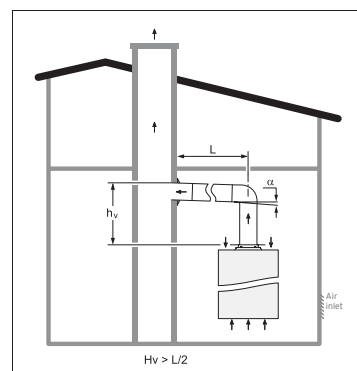
Easier operation : this boiler type has only a few moving components, therefore there it requires less maintenance work.
However, its installation is subject to more important constraints than a room-sealed boiler. In particular, the installer must pay heed to the air inlets at the boiler location.
The chimney must be state-of-the-art, too.

Why to opt for a room-sealed boiler

A room-sealed boiler uses a concentric duct directly connected to the outside for the supply of air required for the combustion and the discharge of the flue gases.

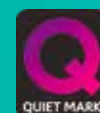
Therefore, there are not any ventilation constraints for the room, neither regarding the diameter nor the height of the chimney.

A full range of connection accessories is available allowing to realise all desired configurations.



turboTEC pro

Combi gas-fired wall-hung boiler



Overview

The boiler turboTEC pro can be installed easily in the kitchen, a garage or integrated in a boiler room. This boiler is available as natural gas version that may be converted to propane. space required (800 x 440 x 338) and its weight of only 36 kg

A room-sealed boiler uses a concentric duct directly connected to the outside for the supply of air required for the combustion and the discharge of the flue gases.

Therefore, there are not any ventilation constraints for the room, neither regarding the diameter nor the height of the chimney. A full range of connection accessories is available allowing to realise all desired configurations.

Features & benefits



Compact dimensions

For flexible siting options (turboTEC pro sustain has the same footprint as the ecoTEC pro).



Patented condensate trap

Easy install with a safety back-up.



Front access for service and maintenance

For quick and efficient access once installed in a property.



Natural Gas Version

This boiler is available as natural gas version that may be converted to propane.



High-quality heat exchanger

Stainless steel heat exchanger designed for long life and easy maintenance.



Air Supply and the flue gas discharge via

concentric ducts allows a multitude of solutions and flexibility.

Technical data	Unit of measure	turboTEC VUW 242/5-3 (room-sealed)	turboTEC VUW 282/5-3 (room-sealed)
Heating			
Minimum / nominal output (80 / 60 °C)	kW	8,0 / 24,9	9,4 / 28,9
Minimum heating flow temperature	°C	30	30
Maximum heating flow temperature	°C	80	80
Maximum electrical power absorbed	W	142	131
NG - G20 connection pressure	mbar	20	20
Minimum water pressure for start-up	bar	0,5	0,5
Max. operating pressure heating	bar	3	3
Expansion vessel capacity	l	6	6
Domestic hot water			
Temperature range (adjustable)	°C	35-65	35-65
Minimum water pressure	bar	0,15	0,15
Maximum water pressure	bar	10	10
Minimum DHW flow rate	l / min	1,5	1,5
Specific flow rate (at $\Delta T = 30$ K)	l / min	11,5	13,4
Warmstart function		non	non
Classification of dhw comfort pursuant EN 13203	-	***	***
Gas volume flow			
Max. volume flow natural gas G20	m ³ /h	2,8	3,2
Max. volume flow butane G30	kg/h	2,01	2,30
Max. volume flow propane G31	kg/h	1,99	2,29
Dimensions and various data			
Height / Width / Depth	mm	800 / 440 / 338	800 / 440 / 338
Weight (empty)	kg	39	41
Power supply	V / Hz	230 / 50	230 / 50
Electrical voltage min / max	V	193 / 253	193 / 253
Gas category	-	II2H3+	II2H3+
Electrical protection	-	IPX4D	IPX4D
Type approval	-	C12, C32, C42, B22, B32	
NOx class	-	3	3
Article Number		0010015354	0010015356

A compact boiler

Reduced dimensions (800 x 440 x 338)
 Modern and classy design
 Easy installation in the kitchen
 Available for natural gas, may be converted to propane
 Open-flued (atmoTEC) and room-sealed (turboTEC) versions

Accessories



Boiler connection kit for the installation, including stop cocks 0020203487

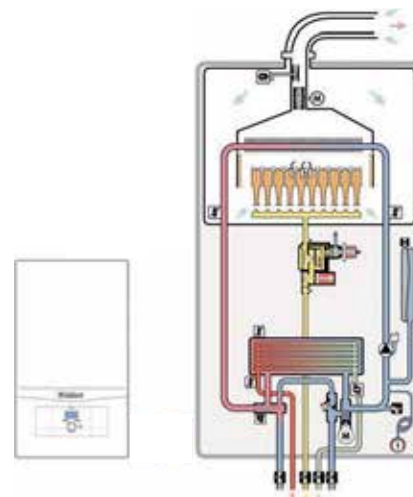
Gas conversion kit natural gas to propane	0020199907
turboTEC pro 24 kW VUW 242/5-3, NG, Bare appliance	0010015354
Boiler connection kit for the installation, including stop cocks	0020203487
Controller ebus calorMATIC 50	0020018265

Reliable operation

Frost protection
 Blocking protection for the pump and the DHW valve
 Electronic pressure sensor
 Interface with buttons and digital display

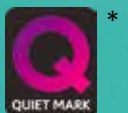
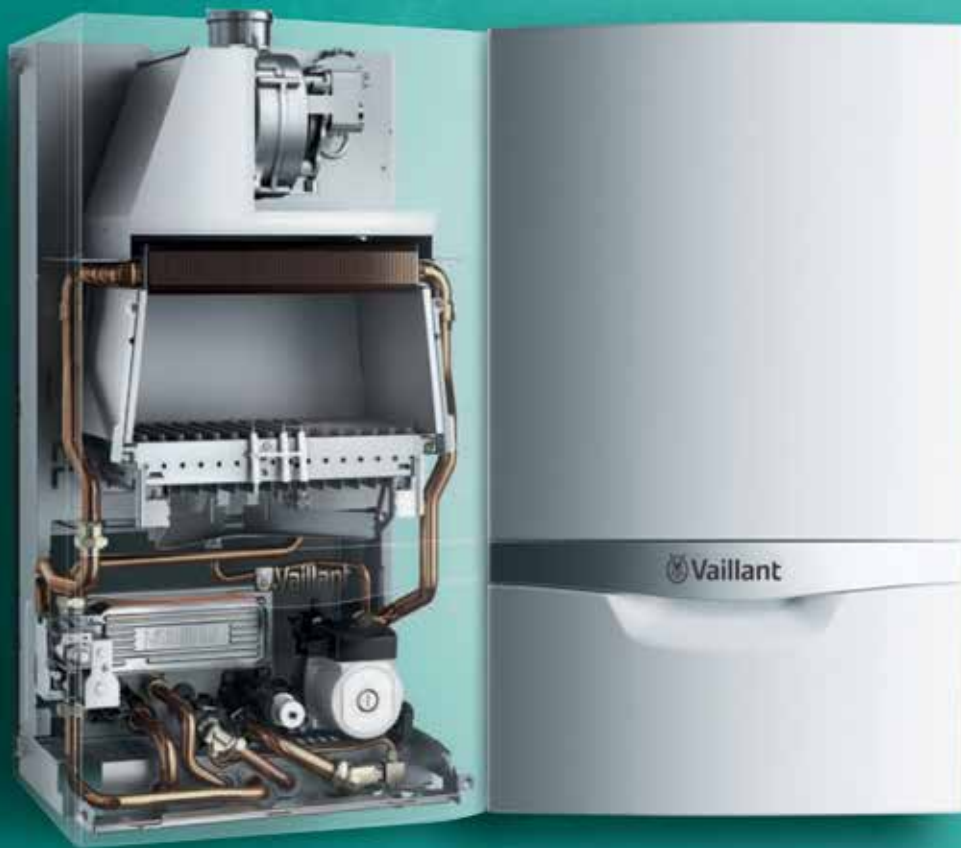
turboTEC pro scheme

- Shut-off valve
- Pressure relief valve
- Air vent
- Pump
- Valve motor
- Flow sensor
- Pressure sensor
- Temperature sensor



turboTec plus

Gas-fired wall-hung boiler mini-storage



Overview

The turboTEC plus range of open vent boilers is extremely reliable, with the quality of components and manufacturing that Vaillant is known for. Thanks to continuous modulation and real combustion control by a multi-sensor system, they achieve high efficiency with the lowest emissions. These boilers have an aluminium heat exchanger with wide waterways: an ideal choice for larger properties.

The open vent range features 12, 15, 18, 24 and 30kW output models, meeting the heating requirements of varying house sizes. Each one is ultra-quiet a feature recognised by the Noise Abatement Society, which has awarded many of the ecoTEC plus range with the Quiet Mark certification for its innovative design, specifically created to ensure a peaceful home for your customers.

Features & benefits



Extended guarantee and extra cashback available

10-year guarantee available when registered on Advance with a Boiler Protection Kit.



Electronic gas and air modulation system

For precise self-setting gas combustion to improve performance and lower emissions.



High specification aluminium heat exchanger

Designed for longer life, easier maintenance, and lower energy bills.



Compatible with Vaillant's heat pump range

Can be fitted with an aroTHERM heat pump to create a hybrid system.



Easy installation and maintenance

Accessible layout allows all components to be replaced from the boiler front, with removable side panels for even more access.



Dedicated models available for LPG

A perfect solution for off-gas areas.



60/100 push fit flue system with full range of accessories

80/125 flue system option for even longer lengths and installation flexibility.

Technical data	Unit of measure	turboTEC VUW 282/5-5 (room-sealed)	turboTEC VUW 322/5-5 (room-sealed)	turboTEC VUW 322/5-5 (room-sealed)
Heating				
Minimum / nominal output (80 / 60 °C)	kW	9,4 / 28,9	9,8 / 32,1	11,3 / 36,3
Minimum heating flow temperature	°C	30	30	30
Maximum heating flow temperature.	°C	80	80	80
Maximum electrical power absorbed	W	131	136	122
NG - G20 connection pressure	mbar	20	20	20
Minimum water pressure for start-up	bar	0,5	0,5	0,5
Max. operating pressure heating	bar	3	3	3
Expansion vessel capacity	l	10	10	10
Domestic hot water				
Temperature range (adjustable)	°C	35-65	35-65	35-65
Minimum water pressure	bar	0,15	0,15	0,15
Maximum water pressure	bar	10	10	10
Minimum DHW flow rate	l / min	1,5	1,5	1,5
Specific flow rate (at $\Delta T = 30$ K)	l / min	13,4	15,0	17,4
Warmstart function		non	non	non
Classification of dhw comfort pursuant EN 13203	-	***	***	***
Gas volume flow				
Max. volume flow natural gas G20	m ³ /h	3,2	3,6	4,1
Max. volume flow butane G30	kg/h	2,3	2,7	2,96
Max. volume flow propane G31	kg/h	2,29	1,69	2,92
Dimensions and various data				
Height / Width / Depth	mm	800 / 440 / 338	800 / 440 / 338	800 / 440 / 338
Weight (empty)	kg	43	45	45
Power supply	V / Hz	230 / 50	230 / 50	230 / 50
Electrical voltage min / max	V	193 / 253	193 / 253	193 / 253
Gas category	-	II2H3+	II2H3+	II2H3+
Electrical protection	-	IPX4D	IPX4D	IPX4D
Type approval	-	B11BS	C12, C32, C42, B22, B32	
NOx class	-	3	3	3
Article Number		0010015370	0010015371	0010015373

Performance and DHW comfort

Domestic hot water comfort 3***

High temperature stability in case of multiple tapping thanks to mini-storage system

Versatility

Open-flued (atmoTEC) or room-sealed (turboTEC) versions
Natural gas version, can be converted to propane

Accessories



Boiler connection kit for the installation, including stop cocks

0020203487

Gas conversion kit natural gas to propane for atmoTEC / turboTEC 24 and 28 kW

0020199907

Gas conversion kit natural gas to propane for turboTEC 32 and 36 kW

0020199908

turboTEC plus 28 kW room-sealed VUW 282/5-5, NG, Bare appliance

0010015370

Boiler connection kit for the installation, including stop cocks

0020203487

Horizontal air/flue ducts

303807

Controller ebus calorMATIC 50

0020018265

Ease of maintenance

Quick access to all components at the front
Automatic diagnostics of the boiler operation
Failure storage and indication
Electronic ignition and flame detection
Interface with text and back-lit display



Solar thermal flat plate collector auroTHERM VFK

Performance developed in Germany

In order to offer you high-class collectors which work efficiently in each and every system combination. Vaillant has developed the flat plate collector auroTHERM. Available in several different versions, the auroTHERM is produced at Vaillant's modern facilities. The Vaillant solar domestic hot water system is a sealed, pressurized system with unique features in every component. It is consistent with our commitment to provide maximum efficiency, high performance and total reliability.

Vaillant auroTHERM collectors are embedded in an aluminum frame and thereby also meet customer wishes concerning design and integration into the roof aesthetics. Despite their low weight and their small depth, Vaillant auroTHERM collectors reach an absorption rate of 95% due to their highly-selective coated aluminum-copper-absorber.



The auroTHERM VFK 125 with its silver-colored aluminum frame is equipped with clear safety solar glass and designed for vertical installation for a basic solution for solar thermal applications.

Flat pressurized solar collectors for solar systems auroFLOW and auroSTEP plus
High efficiency for important energy recovery
Flat absorber with highly selective coating of the Mirotherm® type
Reinforced insulation



Overview

Each collector is delivered pre-assembled with six tubes per collector and is compact and lightweight for ease of installation. Each tube is manufactured using toughened glass that is internally coated with a special high selective absorber, making the auroTHERM exclusive one of the most efficient collectors in its class. What's more, the tubes have the benefit of a 10-year guarantee against loss of vacuum and, if necessary, can be replaced without draining down the solar system - meaning low maintenance all year round.

Features & benefits



Compact dimensions

Flat design



Patented condensate trap

Easy install with a safety back-up.



Front access for service and maintenance

For decentral warm water supply, applicable to your demand

Technical data	Unit of measure	VFK 125/3 S
General		
Gross surface / Aperture surface	m ²	2,51 / 2,35
Optical efficiency of the solar collector η_0	-	0,74
Thermal loss coefficient of first order a_1	W / m K ²	3,89
Thermal loss coefficient of second order a_2	W / m ² K ²	0,018
Stagnation temperature α	°C	160
Transmission - τ	-	0,88
Absorption - a	-	0,90
Emission - e	-	0,20
Insulation thickness	mm	40
Performance of the insulation material - λ	W / m ² K	0,035
Density of the insulation material	kg / m ³	55
Width / Height / Depth	mm	1233 / 2033 / 80
Weight	kg	37
Capacity of the absorber	l	1,85
Maximum operating pressure.	bar	10
Hydraulic connections	-	inox 3 / 4"
Article number		0010015522

Performance

High efficiency for important energy recovery
Flat absorber with highly selective coating of the Mirotherm® type
Reinforced insulation

Robustness and design

Solar safety glass
Chassis of aluminium profiles

Simplicity and fast installation

Vertical position
On-roof installation
Installation on flat roof or building face
Pre-assembled mounting accessories

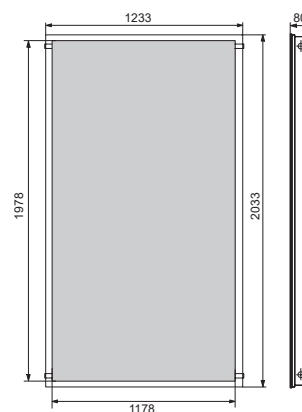
Offering a multitude of installation configurations

Flat roof

Collector inclination of 30°, 45° and 60°



Up to 12 collectors



Accessories



Hydraulic connection kit for 1 collector VFK V & H

Contains 2 clip-on connections DN16, 4 fastening clips, 2 plugs, collector temperature sensor VR11 and the instruction manual

0020143749



Hydraulic connection kit - Extension for 1 collector VFK V & H

contains 2 clip-on connections DN16 and 4 fastening clips

0020055181



Solar Controller auroFLOW & auroMATIC

The space-saving marvel: Our auroFLOW VMS 70 solar station efficiently manages the heat exchange between solar collectors and the hot water storage tank.

This ensures that the sustainably generated heat arrives exactly where you need it: whether as hot water or to supplement your heating system.

Thanks to its compact design and the intelligent integration of all components within the housing, the solar station fits into even the smallest spaces - including your home.

Automatic flow rate adjustment is possible thanks to a modulating, energy-saving, high-efficiency solar pump. This is ensured by the auroFLOW VMS 70. The solar station features air vents, sensors, and check valves, and offers various display, comfort, and safety functions. The station is controlled by a separate solar controller.

Besides affecting the speed at which heat is transported to the solar storage tank, the volume flow rate or corresponding flow quantity of the solar fluid also influences heat losses, system efficiency, as well as stagnation and pump behavior.

Thanks to components integrated into the housing and its very manageable dimensions of 32.5 x 24.5 x 17.5cm, the solar station can find a place anywhere.



auroMATIC 570

As a cost-effective controller the solar regulator auroMATIC 570 is recommended. The innovative controller operates independently, it is also suitable for solar supported hot water preparation with on-demand reheating function.

It can be easily connected to two storages or a storage with a swimming pool.

The auroMATIC 570 - the perfect system solution for the generation of solar domestic hot water

The control unit is able to regulate up to 2 solar collector fields for solar domestic hot water generation systems and as option a 2nd storage or swimming pool heating can be connected. The well-proven Vaillant user comfort "turn and click" and the symbol display make the handling well understandable. The System Pro E helps for fast and safe installation. Via the graphical display the solar earnings can be indicated visualizing the benefit of your system.

Solar Controller

auroFLOW & auroMATIC570



GREEN
iQ

Overview

With the Vaillant solar controller auroMATIC 570, the solar pump of the system adapts its flow depending on the temperatures of the solar panel field and the cylinder in order to limit consumption and to optimise the free solar contribution.

Features & benefits



Compact dimensions

Flat design



Patented condensate trap

Easy install with a safety back-up.



Front access for service and maintenance

For decentral warm water supply,
applicable to your demand

Technical data	Unit of measure	auroFLOW VMS 70
General		
Article Number		0020193190
Maximum surface of flat collectors	m ²	70
Min / max pump absorbed power	W	3 / 70
Max. solar operating temperature	°C	130
Max. solar operating pressure	bar	6
Weight	kg	6
Voltage supply	-	230 V / 50 Hz
Height / Width / Depth	mm	325 / 245 / 175
Flow / return solar connection	-	3/4"
Flow / return heating connection	-	3/4"

Flexibility

Installation of up to 70 m² in low flow with flat plate collectors
 Direct transfer with flow rate up to 20 l / min
 Control of 1 or 2 solar pump stations (one per collector field)

The upgradable +

Ideal for small solar installations when the exchanger storage tank is connected to the collector fields.

Performance

Heat transfer from the collector fields to a coiled cylinder
 Auto-adaptive solar flow rate
 Indication of solar yield with auroMATIC 620 controller
 Complete solar pump station with modulating pump, pressure gauge, air separator, non-return flap, flow meter and safety valve 6 bar

Technical data	Unit of measure	auroMATIC VRS 570
General		
Power supply	V	230 V
Power consumption of the controller	W	3,5 W
Maximum load per output relay / total	A	1 A / 3 A
Minimum section of sensor conductors	mm	1,00 mm
Minimum section of the connecting leads 230 V	mm	1,50 mm
Type of protection	-	IP 20
Protection class	-	III
Dimensions H / W / D	mm	173 / 115 / 46 mm
Controller and accessories		
auroMATIC VRS 570	-	0020203656
Temperature sensor VR 10	-	306787
Solar collector temperature sensor VR 11	-	306788
Solar station VMS 70	-	0020193190

Energy savings

Indication of solar yield and CO₂ savings
 Weekly timer programming and Holiday mode
 High-efficiency pump control with modulation

Solution for solar thermal systems

Control of 1 or 2 solar panel fields
 Heating of a 2nd cylinder or a swimming pool
 Domestic hot water production with recirculation loop
 Electric back-up heater or back-up by boiler

Safety

Programmable anti-legionella function
 Safety functions on cylinder, panels and solar pump
 Pump spin function

The upgradable +

The controller is able to discharge the solar energy into a pool.

 **16865**

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