

# Why Vaillant?

For more technology and experience.



■ atmoTEC plus

■ turboTEC plus

■ atmoTEC pro

■ turboTEC pro

Because  **Vaillant** thinks ahead.



High comfort -

with German technology.

Our atmoTEC and turboTEC ranges are modern compact non-condensing gas wall-hung boilers which are suitable for new construction as well as for the modernisation of buildings.

Vaillant engineering ensures your safety and highest functionality at the same time.

#### Clever and flexible

Our appliances technology guarantees flexible solutions for all applications and installation situations such as solar systems which can be connected whenever required. State-of-the-art control technologies are available for combination with our heating and warm water appliances. The Vaillant atmoTEC and turboTEC introduce you to a whole new feeling of quality-oriented heating technology. They meet all demands placed upon them regarding heating and domestic hot water comfort.

Regardless of any previous installation or special space requirements, these appliances do always fit. The result is in every case a spotlessly clean heating installation. Furthermore, the attractive overall impression is rounded off by the award-winning appliance design. And furthermore by what you cannot see - the level of technology displayed inside - will delight you.



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Premium quality for your home:

## atmoTEC plus and turboTEC plus

### Made easy for new buildings and modernisation.

The appliances of the atmoTEC plus & turboTEC plus range can be used in buildings ranging from single-family houses up to industrial buildings since they can be connected in a cascade or combined with warm water storages. The Plus range is also the ideal modernisation solution. This generation of boilers is the first choice in all residential houses as they are even easier to install and operate.

### Top design - also for installation and use.

The casing consists of three parts which facilitates maintenance, since the appliance can be accessed quicker and installed easier in niches.

The adjustable bracket ensures an easy installation of the appliance on the wall - it can be put into the right position without complications.



### atmoTEC plus and turboTEC plus at a glance:

- Output versions of 24, 28 and 36 kW as heating appliance and 24, 28, 32 and 36 kW as mixed unit for heating and generation of domestic hot water
- Warm start function
- Quick installation due to adjustable wall bracket and pipe cut-out
- Easy maintenance due to three piece casing
- Please kindly see technical details on page 8



A reliable friend:

## atmoTEC pro and turboTEC pro

### Easier to install.

The pro range is easily and quickly installed, too - even with small clearances at the sides. All components can be directly accessed from the front - maintenance and repair works are simplified. The innovative operating concept make it easily accessible for the user and the installer alike. The appliances information display can be handled conveniently with its large non-slip knobs and its helpful status and info display.

The reduced dimensions and weight make it fit everywhere in your home. It is totally flexible in fitting.

The improved technology will not only present you with the well-known quality and high standard of Vaillant appliances - but rather we prove once again that we are able to improve what was already known to be excellent!

Chose the atmoTEC pro / turboTEC pro and just forget about your boiler... just enjoy the comfort of German innovative technology!



### For simple heating systems: a programmable room control

Our intelligent room compensating control VRC 350 allows you to fine tune your heating system, giving you even more control.

### atmoTEC pro and turboTEC pro at a glance:

- Output capacity: 24 kW
- Compact dimensions, low weight
- Suitable also for solar installation
- Combinable with control technology
- Easy and quick installation
- User-friendly and reliable operation
- Please kindly see technical details on page 8



For each location:

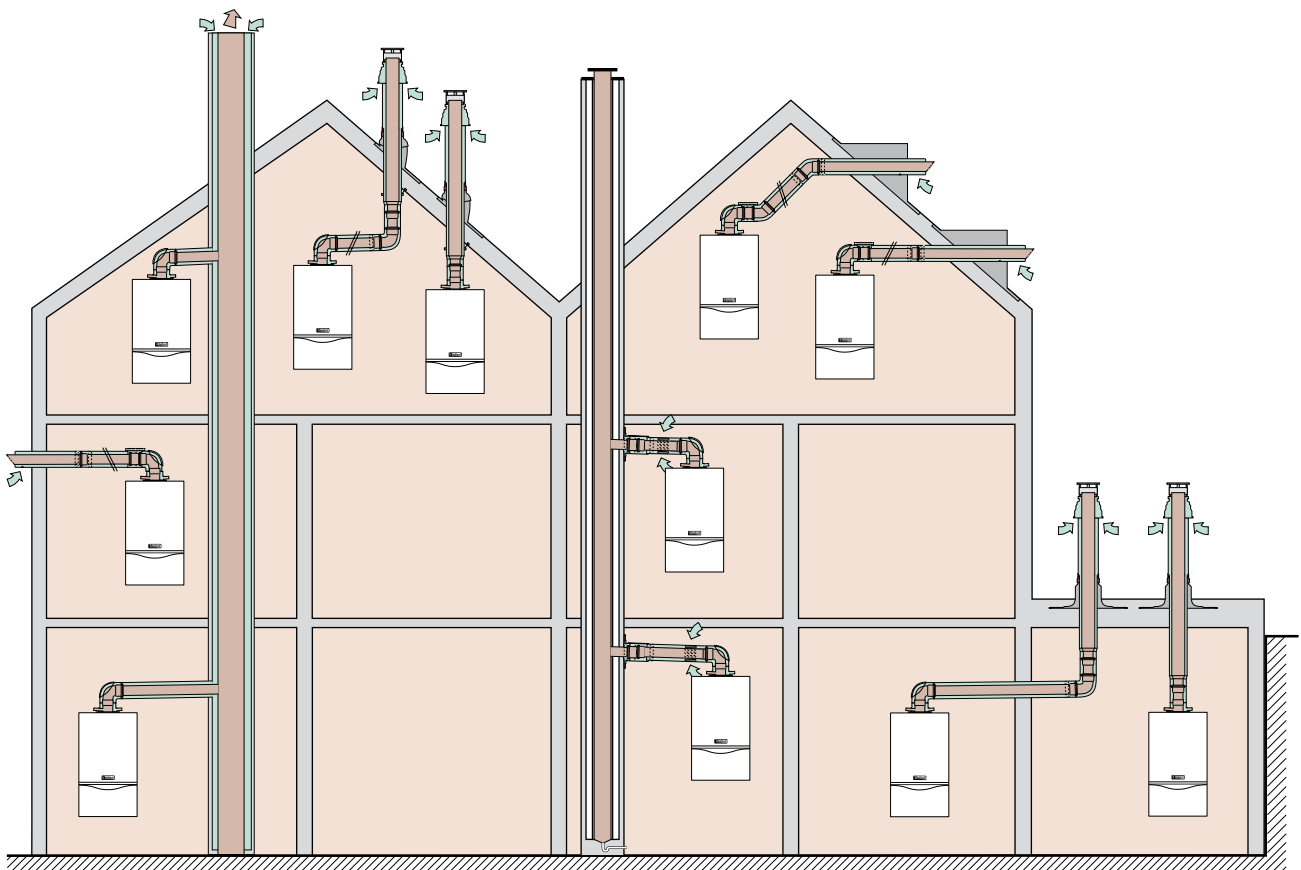
## the fitting air/flue system

For the turboTEC which is independent from the ambient air in the installation room Vaillant does always offer the fitting air/flue system. It can be installed in the cellar, at the attic or in the living area, in fact with or without chimney. It is for example possible to install it in the living area with the concentric air/flue conduction without need of a chimney. But also the concentric air/flue connection to an exhaust duct DN 80 in the chimney is a possibility for the installation in the living area.

With the aid of the vario bend a displacement of up to 56mm can be compensated without complications. For standard applications air/flue system concepts with inner pipes out of aluminum with a diameter of 60/100 mm (heat insulated) are available, for excess lengths and special applications with a diameter of 80/125 mm.

### Air/flue duct systems for turboTEC plus at a glance:

- Air/flue system concepts for each installation situation
- Inner pipe out of aluminum
- Easy adjustment of the length
- Concentric air/flue ducts 60/100 mm and 80/125 mm
- Vertical roof ducts 60/100 mm, max. Pipe length 4,5 m and 80/125mm, max. Pipe length 16 m







# For every demand:

## Tailor-made warm water

### External hot water storages

The optimal interaction of heating appliance and hot water storage increases the profitability of the system.

For higher demands the floor standing storages uniSTOR VIH R with 120 up to 200 l capacity are at your disposal.

All of them are easy and flexible in the installation.

The circulation pump is already embedded in the piping.

### Integrated production of domestic sanitary hot water

The combined boilers with integrated domestic sanitary hot water production based on the instantaneous principle are the space saving alternative to the external storage.

In case the hot water demand increases later on a Vaillant hot water storage can readily be installed to the combined appliance.

#### Hot water storages at a glance:

- Extensive storage range for detached and semi-detached houses
- Technically and optically perfectly adjusted to Vaillant gas wall hung boilers
- Alternatively: combined boilers with integrated production of domestic sanitary hot water

### Production of solar domestic sanitary hot water and solar-supported heating

In combination with the solar system auroTHERM the atmoTEC and the turboTEC become real energy saving systems. Thanks to intelligent controls the solar energy can consistently be used for the heating of domestic hot water for households as well as a support for the heating circuit. Powerful vacuum tube collectors and flat plate collectors ensure high energy benefits. The system is completed by our solar hot water storages of different capacities.



Wall hang boiler with uniSTOR VIH R



auroTHERM plus with auroSTOR VIH S

## Technical data atmoTEC / turboTEC

Heating & warm water comfort	unit	atmoTEC / turboTEC pro		atmoTEC / turboTEC plus					
		open flue	fan flue	fan flue	open flue	fan flue	fan flue	fan flue	
		VUW EXP 240/3-3 M	VUW EXP 242/3-3 M	VUW EXP 242/3-5	VUW EXP 280/3-5	VUW EXP 282/3-5	VUW EXP 322/2-5 H	VUW EXP 362/2-5 H	
Heat output range									
Max.	kW	24	24	24	28	28	32	36	
Min.	kW	10	10	10	11	11	10	11	
<b>Heating</b>									
Maximum pressure heating circuit	bar	3							
Min. system pressure for start	bar	0,5							
Warmstart function		no			yes				
Volume internal expansion vessel	l	6	6	6	10	10	10	10	
Heat exchanger plates		13	13	19	19	19	19	19	
<b>Sanitary warm water (combination boiler versions only)</b>									
Warm water output									
Max.	kW	10	10	10	11	11	10	11	
Min.	kW	1,5	1,5	1,5	1,5	1,5	1,5	1,5	
Warm water flow rate $\Delta T = 30K$	l/min	11,5	11,5	11,5	13,4	13,4	15,3	17,2	
Max. inlet water pressure	bar	10							
Min. water flow pressure	bar	0,3							
Enduser hot water temp. adjustment	°C	35-65							
Weight	kg	30	32	36	33	37	38	38	
Height x width x depth	mm	700 x 410 x 298			800 x 440 x 338				
Electr. protection class		IP X4D							
<b>Others:</b> Pump control		2-speed manual			2-speed automatic				

Available as system boiler units VU EXP 242/3-5, VU EXP 282/3-5 and VU EXP362/3-5

Warm water storages for combination with system boilers	unit	VIH R 120/5	VIH R 150/5	VIH R 200/5
<b>Installation type</b>		<b>floor</b>	<b>floor</b>	<b>floor</b>
Height	mm	752	970	1240
Diameter	mm	560	600	600
Weight net / Weight in operation status	kg	68 / 183	79 / 229	97 / 297
<b>Electrical connection</b>				
Nominal voltage	m <sup>2</sup> /h	1,6	1,6	1,6
Pressure loss	mbar	50	50	65
Protection class		IP 24		
<b>Hydraulic connection</b>				
Cold / warm water	thread	3/4"		
Primary flow and return	thread	1"		
Circulation	thread	3/4"		
<b>Performance data storage water heater</b>				
Capacity	l	115	150	200
Max. water supply pressure	bar	10	10	10
Max. warm water temperature	°C	85	85	85
Hot water output power	l/10 min	145	195	250
Continuous power performance 85/65°C	kW	25	26	34
Continuous power performance 85/65°C	l/h	615	660	750
Stand-by energy losses	kWh/24h	1,3	1,4	1,6
Tank lining		enamelled steel, magnesium safety anode		

Connection accessory and safety groups are also part of our range - ask your dealer for them!

Your local partner for Vaillant products:

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