

AlphaBlower 2200

Manual

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1 Introduction

The AlphaBlower 2200 is suitable for installation in a vacuum pipe system for pumping radon, to reduce radon contamination in buildings.

2 Accessories

The scope of delivery of the AlphaBlower 2200s includes the following individual parts:

AlphaBlower 2200



Wall mount



Power supply unit



Cable



Connector plug



Screws



Wall mounting material



3 Technical overview

Suction unit	Radon
Voltage	1-phase safety transformer 120 VA / 27 VAC 230 V / 50 Hz
Power	70 W
Max. Vacuum	2200 Pa
Max. Flow rate	130 m ³ /h
Overvoltage protection	- -
Noise level at 1m distance	<40 dB (A)
Dimensions LxWxH	360 x 320 x 200 mm

4 Installation



Read these instructions and the enclosed safety notes completely before commissioning and working with the device.

Keep these instructions in a place where they are accessible to all users.

4.1 Intended use



The AlphaBlower 2200 must be placed or mounted on a stable and solid location in the building.



To reduce condensation problems, the AlphaBlower 2200 and the corresponding piping should be mounted in heated areas, or the piping must be insulated. Care must be taken to prevent condensate from running back into the unit. Condensate running back will damage the AlphaBlower 2200.



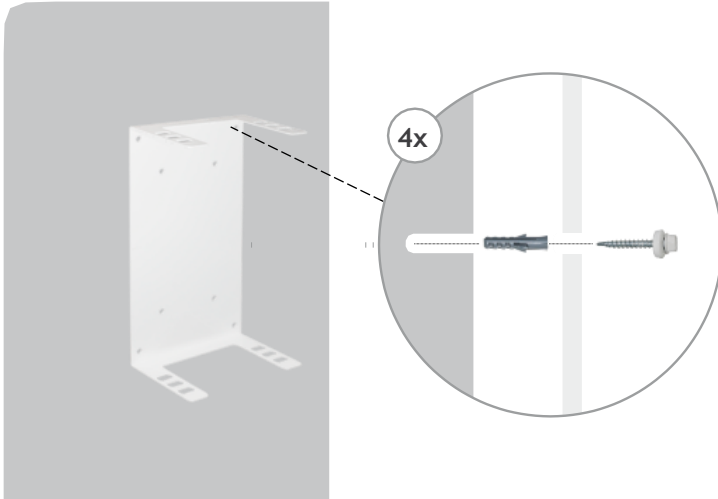
The AlphaBlower 2200 may only be used at room temperature and indoors. The device must be protected from excessive moisture and direct sunlight.



The AlphaBlower 2200 must be installed by a specialist company or a person with the appropriate expertise.

4.2 Installation instructions

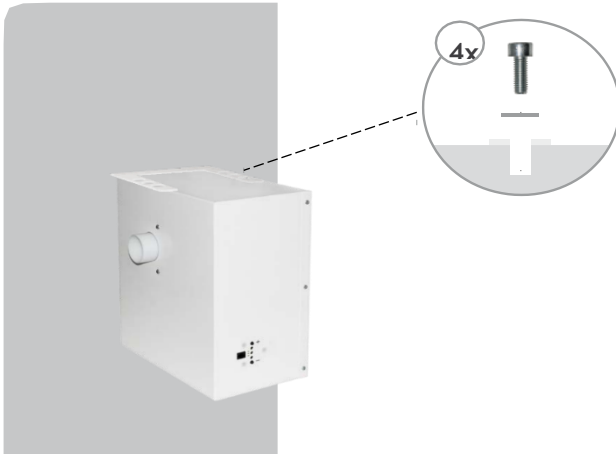
1. Fix the wall bracket to the wall with four screws.



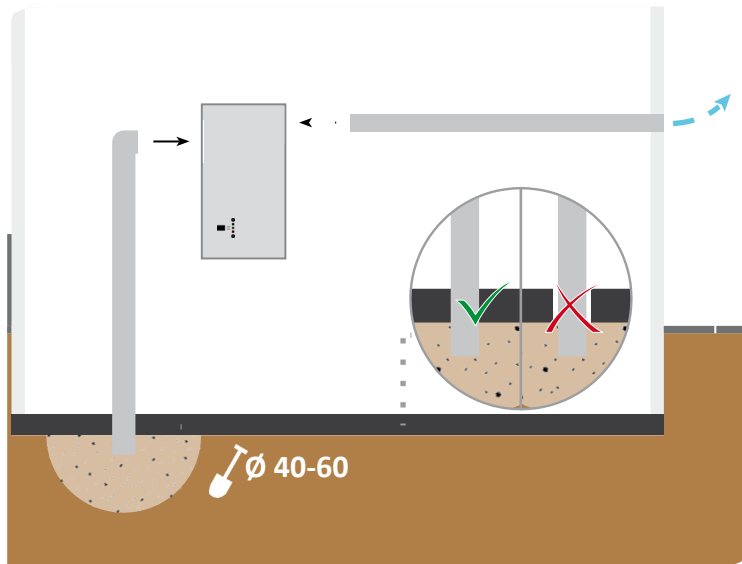
2. Insert the AlphaBlower 2200 into the holder



3. Fix the AlphaBlower 2200 in the holder with 4 screws



4. Installation radon well

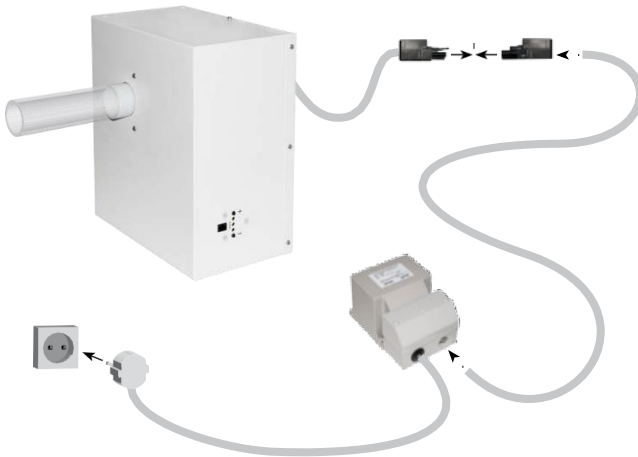


5. Wiring

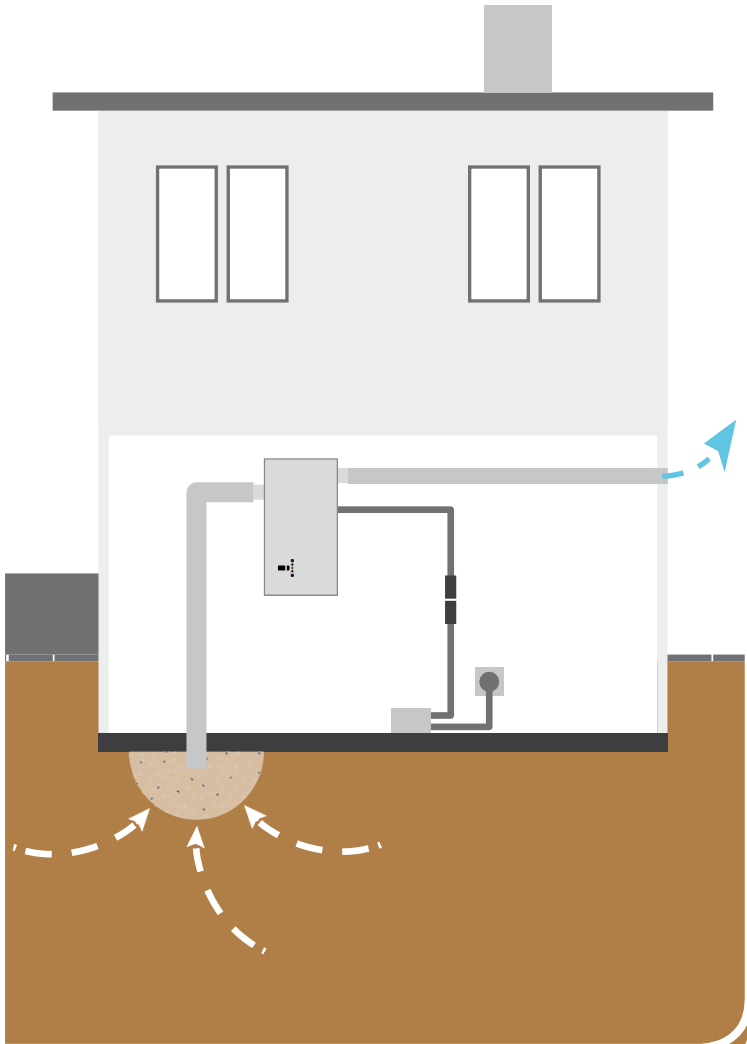
The mains cable may only be plugged into the mains sockets or adapters approved for this purpose. Check that the mains voltage matches the connected load of the aspirator.

⚠ Do not use the cable for purposes for which it is not intended.

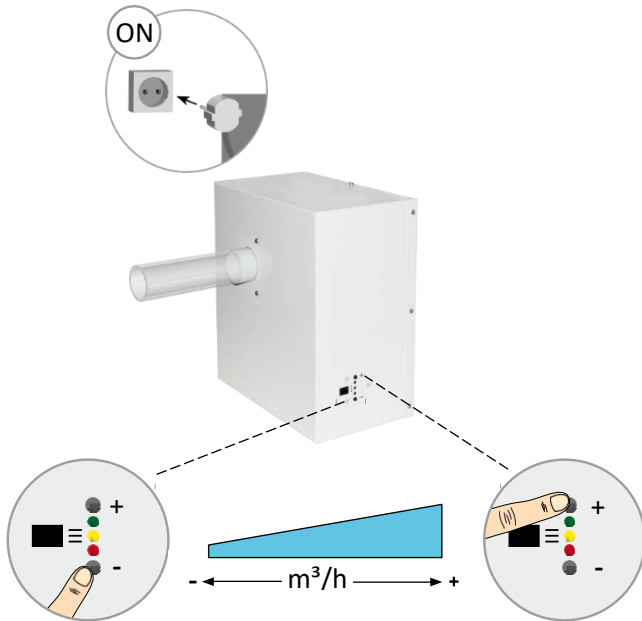
Following the installation, the radon concentration must be measured and a maintenance cycle must be set.



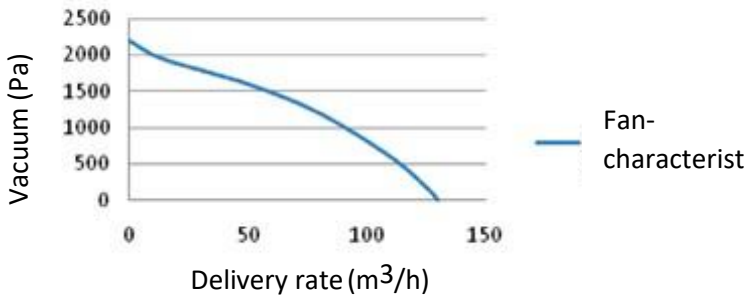
6. Possible design variant



7. Set











By pressing the Plus key, the air volume flow can be increased.
The air volume flow can be reduced by pressing the Minus key.



4.3 User groups

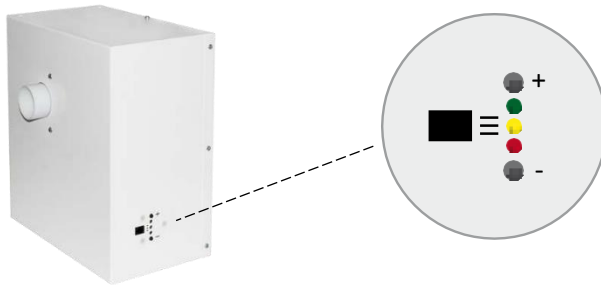
Due to varying degrees of risk and hazard potential, some work steps may only be performed by trained specialists.

Work step	User groups
Installation and assembly of the unit	Qualified personnel with technical training Technical trainees under the guidance and supervision of a qualified specialist
Electrical connection Replacement of electrical spare parts	Electrician Technical trainees under the guidance and supervision of a trained specialist
Determination of maintenance intervals	Specialist

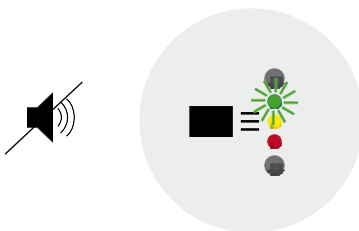
-  **Improper connection of the device may result in injury from electric shock and the device may be damaged.**
-  **If the device is defective, active conductors may be exposed or the protective conductor may be without function.**
-  **Repairs may only be carried out by a recognized specialist.**
-  **If the connecting cable is damaged, it must be replaced by a specially prepared connecting cable.**
-  **Faulty installation can lead to increased radon concentration.**
-  **The installation must be tight. Seal screw connections and cracks in the base plate.**
-  **Improper use can lead to respiratory problems, suffocation, poisoning or cancer.**
-  **Exhaust air must not be directed into used areas, e.g. near a terrace. Minimum distance to the nearest window must be 2 or more meters. Observe wind direction.**

5 LED display & warning signals

The control panel of the AlphaBlower 2200s provides status information via 3 LEDs.

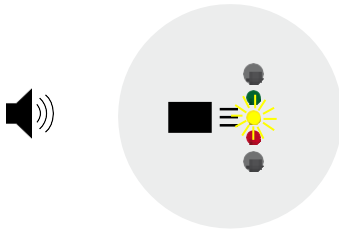


5.1 Green

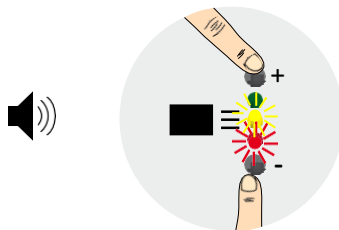


The **green LED** indicates that power is being supplied to the AlphaBlower 2200.

5.2 Yellow + warning tone: Service interval reset



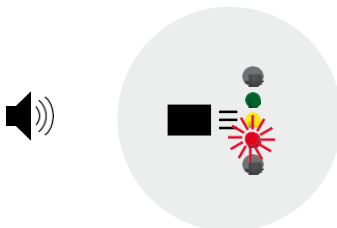
The **yellow LED** with warning tone indicates that the maximum runtime for the stored service interval has been reached.



To reset the service interval, the + and - keys must be pressed simultaneously while switching on the AlphaBlower 2200s until the red and yellow LEDs light up and the warning tone sounds.

After resetting the service interval time, the new time interval starts counting down from 9000h.

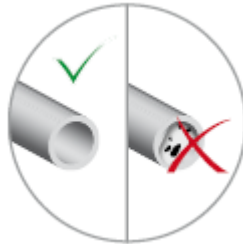
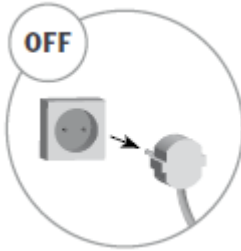
5.3 Red + warning tone: Cleaning



The **red LED with warning tone** indicates that the air supply or air discharge is blocked. The AlphaBlower 2200 must be cleaned.

After 5 minutes, the aspirator is switched off if the alarm has not been terminated.

⚠ Disconnect the plug from the socket before carrying out any work on the device.

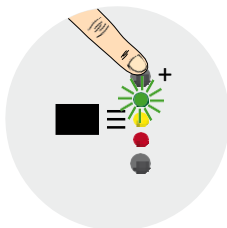


Remove the blockage in the air supply and / or air exhaust.

⚠ When cleaning the piping system/suction chamber, an increased pollutant load of the ambient air is to be expected.



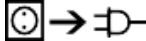




If the suction performance is impaired by deposits in the piping system, contaminated parts must be replaced. Only original spare parts are to be used for this purpose.

⚠ Repairs may only be carried out by recognized specialists. For more details, refer to chapter 5.3 User groups.



Finally, reset the alarm by pressing the + key for 5 seconds. The green LED lights up.

6 Symbols

	<p>Attention</p>
	<p>Read the operating instructions!</p>
	<p>Always disconnect the plug from the socket before carrying out any work on the device.</p>
	<p>CE conformity mark</p>
	<p>Fuse</p>
	<p>Safety transformer</p>
	<p>Do not dispose of power tools in household waste! According to the European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation in national law, used electrical tools must be collected separately and recycled in an environmentally friendly manner. Dirty filters must be treated as hazardous waste. Dispose of replaced device parts, filters or old devices in accordance with the the regulations of your country.</p>

7 Declaration of Conformity

We declare that the designated products comply with the provisions of the following directives:
2014/30/EU, 2014/35/EU, 2011/65/EU

Applied harmonized standards:

DIN EN 60335-1: 2012-10

DIN EN 60335-2-45: 2012-08

DIN EN 62233: 2008-11 / 2009-04

DIN EN 55014-1: 2012-05

DIN EN 55014-2: 2009-06

DIN EN 61000-3-2: 2015-03

DIN EN 61000-3-3: 2014+03

DIN EN 50581:2013-02

Wittislingen, 2016-02-24

8 Warranty

The limited warranty (1 year) applies to the AlphaBlower 2200 purchased from RadonTec GmbH or authorized dealers.

This covers defects in material or workmanship under normal use for a period of one year from the date of receipt of the product. Contamination due to dirt or improper use is not covered by the warranty. During the warranty period, the product will be repaired or replaced at no charge.

*Exclusions:

This warranty does not cover damage caused by abuse, neglect or misuse. This includes damage caused by drops, impacts or penetrations. It is also void if the product has been repaired or altered by another EIC Inc.

To obtain this warranty service, please contact us at:

info@radontec.de

9 Support and Contact

9.1 Troubleshooting/FAQ

You will find answers to the most frequently asked questions on our website:

<https://www.radontec.de>

9.2 Contact Us

Should you have any further questions or require further help and technical support, please do not hesitate to contact us.

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