



Electronic control of your indoor air quality

Application

The Blueair 450E air purifier effectively removes indoor air pollutants from the air you breathe. This new electronic air purification system gives you the power to manage your indoor air quality with a remote control and digital display from a distance of up to six m or 20 ft.

Ideal for use in rooms that up to 34 m² or 365 sq. ft. in size, the unit effectively removes 99.97% of particles 0.1 micron (µm) or larger in size from the air, including mold spores, pet dander, dust mites, pollen, volatile organic compounds (VOCs), gaseous contaminants and odors from smoke, pets and cooking.

Features

- **Three-stage air filtration.** Blueair's patented HEPA-Silent™ filtration technology combines mechanical and electrostatic filtration to remove 99.97% of airborne contaminants.

- **Effective active carbon filters.** Blueair's specially designed active carbon filters eliminate volatile organic compounds (VOCs) and odors from the air.
- **Certified performance.** Each unit is tested and certified to deliver 99.97% filtration efficiency.

Benefits

- **Convenient remote control.** For added convenience, the Blueair 450E air purifier comes with a remote control that operates all functions from a distance of up to six meters or 20 feet.
- **Energy-efficient operation.** As an Energy Star qualified product, the Blueair 450E uses up to 35% less energy to operate than comparable units.
- **Quietest commercial unit.** The Blueair 450E is much quieter than other air purifiers in its class.
- **30-second filter replacement.** Simply open the unit, slide out the old filter and slide in the new. No tools or disassembly required.

In brief

- For rooms up to 34 m² or 365 sq. ft.
- Patented HEPA-Silent™ filtration
- Certified 99.97% filtration efficiency
- Whisper-silent design
- Energy Star qualified product



How to use the digital display and remote control

- **POWER ON/OFF.** Press the green POWER key to turn the unit on and off. The unit automatically runs on the highest speed for five minutes after it is turned on to provide fast initial cleaning and then switches to Auto Mode.
- **SPEED.** Press the SPEED key to regulate operating speed manually.
 - Use Speed 1 for nighttime use.
 - Use Speed 2 for daytime use.
 - Use Speed 3 for fast initial cleaning or for larger rooms.
 - Use Auto Mode to let the electronic gas and particle sensors automatically adjust the operating speed according to the level of particles and gaseous compounds in the air.
- **PRESET.** When the unit is turned off, use the PRESET key on the remote control to set ON TIME, OFF TIME and SPEED.
 - **ON TIME.** Press the PRESET key once. Set the ON TIME by using the plus (+) and minus (-) keys to add or subtract time in intervals of 30 minutes. The display will indicate the amount of time (for instance, 1 for one hour) and count down to zero, when the unit will turn itself on.
 - **OFF TIME.** Press the PRESET key again. Set the OFF TIME using the plus (+) and minus (-) keys to add or subtract time in intervals of 30 minutes. The display will indicate the amount of time (for instance, 4 for four hours) until the unit will turn itself off. If ON TIME is set at 1 and OFF TIME is set at 4, the unit will turn on after 1 hour and turn off after 4 hours of operation.
 - **SPEED.** Press the PRESET key a third time. The operating speed is shown on the digital display. Choose between the lowest setting (1) and the highest (3 or 4, depending on the unit). Or choose Auto Mode to let the unit regulate the operating speed based on the level of particles and gaseous contaminants in the air.
- **TIMER.** The TIMER key has two functions: (1) to turn the unit off when the unit is operating and (2) to keep track of the number of days remaining until filter replacement according to Blueair recommendations.
 - **OFF TIME.** When the unit is turned on, use the TIMER key to set the time when the unit will turn off in intervals of 1, 2, 4 or 8 hours. Press the plus (+) and minus (-) keys to add or subtract time in intervals of 30 minutes. The digital display shows the time remaining until the unit turns itself off.
To deactivate the OFF TIME function, simply press the timer button on the unit several times until the display indicates the number of days left until the recommended filter replacement (a number between 188 and 0).
 - **FILTER TIMER.** When the TIMER key is not used to set the OFF TIME, it displays the number of days – from 188 to 0 – remaining until the

recommended filter change. However, whenever the TIMER function is activated, the amount of time remaining before the unit turns itself off is displayed rather than the number of days to filter change.

- **FILTER REPLACEMENT INDICATOR.** When the REPLACE FILTER light shines red, it's time to change your Blueair filters. To keep your air purifier in top operating condition, Blueair recommends filter replacement every six months. To reset the REPLACE FILTER light, simply press and hold the timer button on the unit (not on the remote control) for approximately 5 seconds.
- **ELECTRONIC PARTICLE SENSOR.** When particle level is low, the digital display shows a happy face; when particle level is high, a sad face is displayed, indicating the need to increase the operating speed or switch to Auto Mode.
- **ELECTRONIC GAS SENSOR.** When the level of gaseous contaminants is low, a happy face appears on the digital display. When level is high, a sad face is displayed, indicating the need to increase the operating speed or switch to Auto Mode.
- **REMOTE CONTROL.** Enjoy the convenience of managing all these functions using the remote control from distances of up to 6 meters or 20 feet away.

Specifications

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| Dimensions | 590 x 500 x 275 mm (23H x 20W x 11D inches) |
| Weight | 15 kilograms (33 pounds) |
| Room size | 34 m ² (365 square feet) |
| CADR* | Smoke: 240 (408 m ³ /h) Dust: 240 (408 m ³ /h) Pollen: 240 (408 m ³ /h) |
| Airflow rate | 130–475 m ³ /h (75–280 cfm)* |
| Power usage | 30 to 80 watts |
| Noise level | 32 to 52 dB(A) |
| Filter service life | 6 months |
| Warranty | 1 year with option to extend warranty |

*Clean Air Delivery Rate, see www.cadr.org

Certifications



This product earned the ENERGY STAR by meeting the strict energy efficiency guidelines set by the U.S. EPA. The U.S. EPA does not endorse any manufacturer claims of healthier indoor air from the use of this product.



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