



## Philips PureProtect Water 3400 Series Smart 2-in-1 Air Purifier and Humidifier

AC3421/13

- Purifies rooms up to 78 m<sup>2</sup>
- HEPA & Active Carbon filter
- 650 ml/h humidification
- 3.2L water tank

## Clean air and ideal humidity in minutes

### Humidifies the air naturally and hygienically

- Thorough cleaning of rooms up to 78 m<sup>2</sup>
- 3-layer HEPA filtration traps 99.97% of smallest particles
- Automatic humidification of up to 650 ml/h
- Hygienic humidification with NanoCloud technology
- Effectively reduces viruses like H1N1 (flu) from the air
- Sleep mode for ultra-quiet operation
- Lower energy consumption than a light bulb
- Intelligently senses and adapts to your indoor air quality
- Control your purifier anywhere with the Philips Air+ app
- Traps smells and gas pollutants
- 3.2L water tank for continuous humidification up to 15h
- Long lasting filter for up to 1 year

\*(1) CADR tested according GB/T18801-2022. Suitable purification area calculated to NRCC-54013 standard.

\*\* (2) Calculated: 48m<sup>3</sup> room, CADR of 300m<sup>3</sup>/h

\*\*\* (3) From the air that passes through the filter, tested to DIN71460 with NaCl aerosol 0.003µm and 0.3µm, iUTA

\*\*\*\* (4) Tested by CVC according to GB/T 23332-2018. Initial temperature of 23±2°C and relative humidity of 30±2% RH

\*\*\*\*\* (5) Vs. standard ultrasonic humidifiers without additional technology to reduce the spread of bacteria, as tested by an independent lab

\*\*\*\*\* (6) Microbial Reduction Rate Test by Airmid Healthgroup Ltd. with influenza (H1N1) in 28.5m<sup>3</sup> test chamber, using turbo mode for 30-40min

\*\*\*\*\* (7) Tested to GB21551.3-2010 with S. Albus, 30m<sup>3</sup> chamber, 1h, Turbo mode, 3rd party lab

\*\*\*\*\* (8) Microbial Reduction Rate Test by Antimikrop with SARS-CoV-2 in 30m<sup>3</sup> test chamber, using turbo mode for 1h.

\*\*\*\*\* (9) Sound pressure, IEC 60704, at 1.5m.

\*\*\*\*\* (10) External lab test to GB/T 18801-2022 with TVOC, Toluene and NO<sub>2</sub>: 30 m<sup>2</sup> room, Turbo mode for 2h.

\*\*\*\*\* (11) Lifetime of filter depends on the air quality and usage.

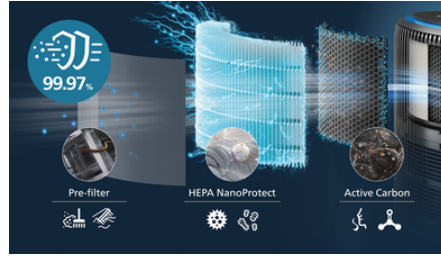
# Highlights

## Purifies rooms up to 78m<sup>2</sup>



The unit's airflow reaches every corner of the room with an air purification rate (CADR) of 300 m<sup>3</sup>/h. It can easily handle large spaces of up to 78m<sup>2</sup> (1) and can clean a room of 20m<sup>2</sup> in less than 10 minutes (2).

## 3-layer HEPA filtration



3-layer filtration made of pre-filter, HEPA NanoProtect and Active Carbon captures 99.97% of particles as small as 0.003 microns (3) – smaller than the smallest known virus!

## Humidification rate 650ml/h



Combat dry air symptoms such as dry skin, chapped lips, irritated nose or throat, with rapid humidification up to 650 ml/h (4). The humidity is detected and automatically adjusted to your desired setting.

## NanoCloud technology



No technology releases cleaner water vapor than NanoCloud. Its ultra-fine mist is invisible to the naked eye and extremely difficult for bacteria or residue to adhere to. Humidify air with up to 99,9% fewer bacteria released than standard ultrasonic humidifiers, safe to use with tap water. (5)

## Captures viruses from the air



Removes 99.9% of airborne viruses and bacteria. Independently tested to eliminate H1N1 influenza virus (6), Staphylococcus bacteria (7), and 99.97% of SARS-CoV-2, the cause of COVID-19 (8).

## Sleep mode for quiet operation



Enjoy undisturbed sleep with our innovative purifier. In Sleep mode, it operates only at 16.5 dB (9), quieter than a whisper. Also, the digital display light is dimmed, minimizing any light disturbance.

## Low energy consumption



Enjoy cleaner air while keeping your energy bill low. At maximum power, the air purifier uses only 43W, less energy than a traditional light bulb.

## Smart air quality sensors



AeraSense technology scans the air 1000x a second to detect harmful pollutants and intelligently selects the best setting. It displays the air quality in real time (PM<sub>2.5</sub>), as well as the level of humidity.

## Smart control with Air+ app



Pair your purifier with the Air+ app to track indoor and outdoor air quality and remotely control the device. Choose Auto+ mode in the app for AI technology that adapts to your routine, minimizing sound and energy use.

# Specifications

## Energy efficiency

Max. power consumption: 43 W  
Stand-by power consumption: <2 W

## Usability

Min. sound level (Sleep mode): 16.5 dB  
Max. sound level (Turbo mode): 51 dB  
Automatic mode: Yes  
Cord length: 1.8 m  
Sleep mode: Yes  
Air quality feedback: Color ring, numerical  
Automatic display dimming: Yes  
Water tank capacity: 3.2 L  
Child lock: Yes  
Ambient night light: Yes  
Manual fan speeds: Yes (5 levels)

## Connectivity

App, connects via Wi-Fi: Air+ app  
Smartphone compatibility: iPhone and Android devices  
Voice control: No  
Remote scheduling: Yes (in app)

## Performance

CADR (Particle, GB/T): 300 m<sup>3</sup>/h  
Air quality sensor(s): PM2.5, Temperature, Humidity  
Particle filtration: 99.97% at 0.003 microns  
Room size (NRCC): 78 m<sup>2</sup>  
Humidification rate: 650 ml/h

## Weight and dimensions

Dimensions of product (LxWxH): 52\*28,5\*28,5 cm  
Weight of product: 6,5 kg  
Color(s): Dark Slate

## Maintenance

Service: 2-year worldwide guarantee  
Active carbon and HEPA filters: FY3400/30 - up to 1 year  
Humidification filter: FY3401/00 - up to 6 months

## Filtration layers

Activated carbon: Yes  
HEPA filter: Yes  
Pre-filter: Yes

