

## Technical parameters

Electrical rating	220V±10%, 50/60HZ
Voltage grade	II
Fuse	10A 250V
Power rating	500watt
Circulation air rate	912 m3/h
Ventilation air rate	229 m3/h
Exhaust air rate	422 m3/h
Formaldehyde CADR	535.9 m3/h
Noise	41.6dB (A)
Weight (Filter material excluded)	65Kg
Dimensions (L*W*H)	610mm*500mm*1545mm
Packaging Dimensions (L*W*H)	940mm*640mm*1760mm
HEPA filter replacement cycle	No more than 6 months
Activated Carbon & Nano Filter replacement cycle	No more than 6 months
Applicable area size	20-30 m <sup>2</sup> , 3m height (upon application scenario)
Bacterial Killing Rate	<ul style="list-style-type: none"> <li>Field simulation test:                             <ul style="list-style-type: none"> <li>10min : 99.92%</li> <li>20min : 99.98%</li> <li>60min : 100%</li> </ul> </li> <li>Field test:                             <ul style="list-style-type: none"> <li>20min : 94.94%</li> <li>60min : 100%</li> </ul> </li> </ul>
Removal rate of chemical gas	95% (30mins)
Operation environment	Temperature: -5°C~45°C, Humidity:5%~85%
Storage environment	Temperature: -10°C~65°C, Humidity:5%~85%



## AirKEE® P900 Healthcare Air Monitoring & Treatment System

### HealKEE Medical Contact Information A Leading Brand with Global Presence & Innovative Solutions

#### Singapore (Headquarters Office)

Healkee Medical Pte. Ltd.  
11 North Buona Vista Drive  
#08-09 The Metropolis Tower 2  
Singapore 138589  
Email: [sales@healkee.com](mailto:sales@healkee.com)  
Contact no.: (+65) 6808 7770

#### China

Healkee Medical (Shanghai) Co. Ltd.  
Unit 888 Building C,  
Huanhu 2nd Road, Lingang New Area,  
Pilot Free Trade Zone, Shanghai 200120, China  
Email: [sales@healkee.com](mailto:sales@healkee.com)  
Contact no.: (+86) 400 033 3639

#### Malaysia

Distributed by:  
Divas Medic Sdn. Bhd.  
No. B-1-7, Kipark Corporate tower,  
Jalan Seri Utama1, Seri Utara Off Jalan Ipoh,  
68100 Kuala Lumpur, Malaysia  
Email: [admin@divasmedic.com.my](mailto:admin@divasmedic.com.my)  
Contact no.: (+60)12 2891 978 / (+60)19 3352 630



Visit our website:  
[www.healkee.com](http://www.healkee.com)



Connect with us on LinkedIn:  
[www.linkedin.com/company/healkee/](http://www.linkedin.com/company/healkee/)

One-Stop Solution Which Can Convert General Rooms to the Following Rooms  
(Complying with Multinational Guidelines Requirements) Without Renovation:

- AIIR (Airborne Infection Isolation Room)
- PE (Protective Environment)

One-Stop Solution to Improve Space Cleaning Level to  
ISO 7 Without Renovation

- Vertical air supply from upper side to avoid the risk of horizontal spreading of aerosols and polluted air
- Particle count and total bacteria removal rate satisfy ISO 7 requirements (subject to installation circumstance)

Airborne Microorganism Killing Rate

- 10min: 99.95%, 30min: 100%
- Including bacteria, pathogenic fungi and viruses

Chemical Pollutants Monitoring and Purification

- Real-time monitoring of aerosol, aldehydes and hyperoxide concentrations
- Auto-alarm if pollutants concentrations exceed maximum safety level
- Purification rate: 95.76%~99.99%/30min

International Qualification of Electrical Equipment

- SGS EMC IEC 61326-1
- SGS IEC 61010-1

The Best of you, Deserves The Best Care and Protection

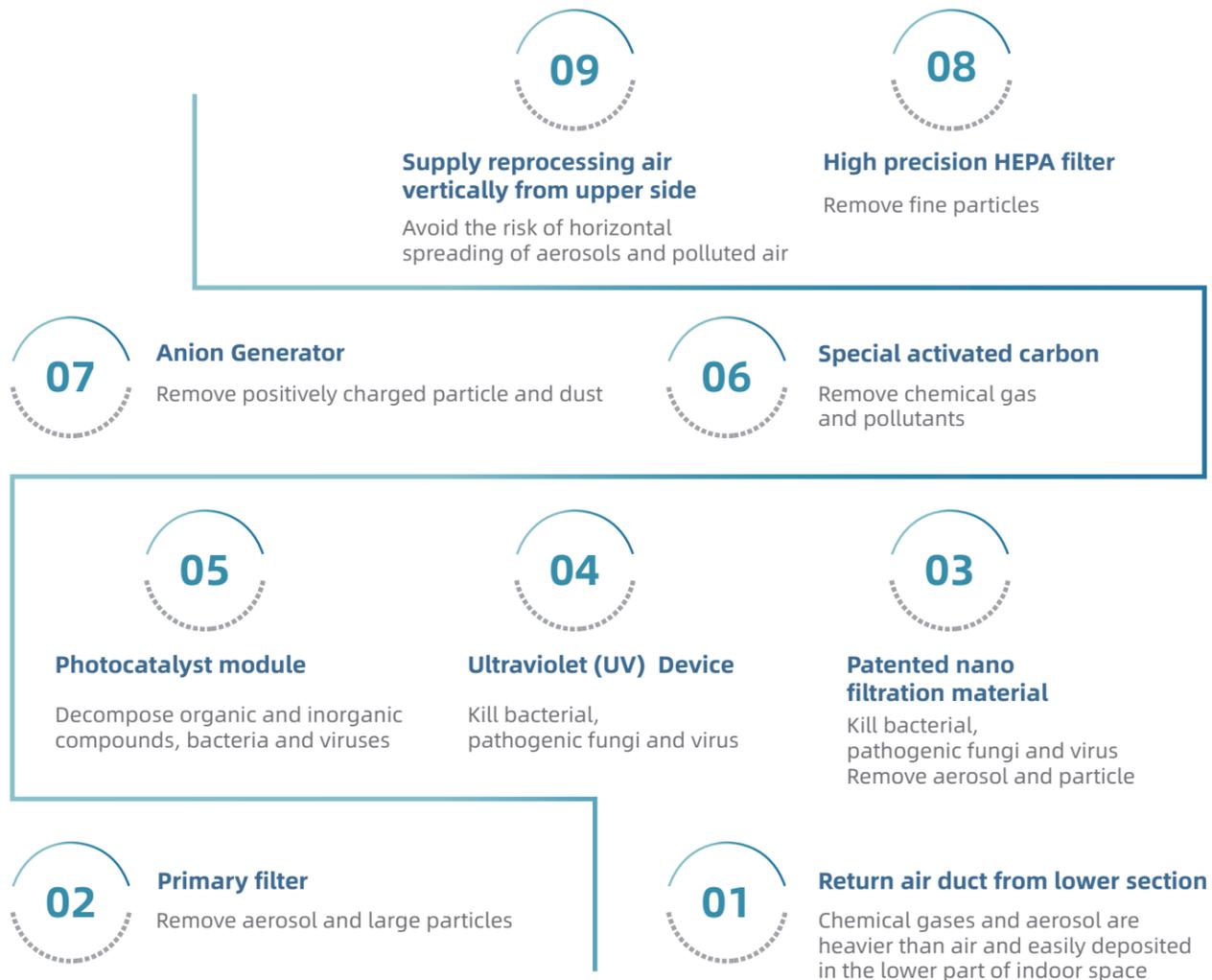
## HD Colour Touch Screen & Smart Control Panel

Switzerland and Japan made integrated sensor arrays to real-time monitor the concentration of multiple objects including aerosol, formaldehyde, glutaraldehyde, OPA, PA, H2O2, particles etc.,



- Displays real-time concentration of 2 monitoring objectives
- Auto-alarm if exceeding maximum safe level
- Auto-alarm if shelf-life of filtration materials expiring
- On-off time setting from Monday to Sunday

## The Mechanism of Bacterial Killing and Purification



## Bacterial Killing Rate

### *Staphylococcus albus* (chamber 20m<sup>3</sup>)

- 99.95% (10min)
- 100% (30min)
- 100% (60min)

### *Aerosol chamber 28 m<sup>3</sup>/30min*

- Escherichia coli (ATCC 8739): 92%
- Staphylococcus aureus (ATCC 6538): 99.6%
- Klebsiella pneumoniae (ATCC 4352): 96.8%
- Aspergillus niger (ATCC 16404): 95.5%
- Candida albicans (ATCC 10231): 96.8%

### *Total viable bacteria count* (room 55m<sup>3</sup>)

- 100% (60min)

## Chemical Pollutants Removal Rate

### *Chemical Pollutants* (chamber 30m<sup>3</sup>/30min)

- Glutaraldehyde: 95.76%
- O-phthalaldehyde: 99.99%
- Hydrogen peroxide: 99.42%
- Peracetic acid: 96.24%

### *ANSI/AHAM AC-1-2015* (chamber 6m<sup>3</sup>)

- Carbon Dioxide:90%/30min
- Formaldehyde:91.2%/30min
- Ammonia: 95.8%/30min
- Nitric Oxide:100%/3min
- Ozone: 100%/3min

## Air Purification

**TVOC: 90.4%**

**PM 2.5: 100%/15min**

## Elemental Toxicity Test

*(X-Ray Fluorescence Spectroscopy)*

**Not Detected**

