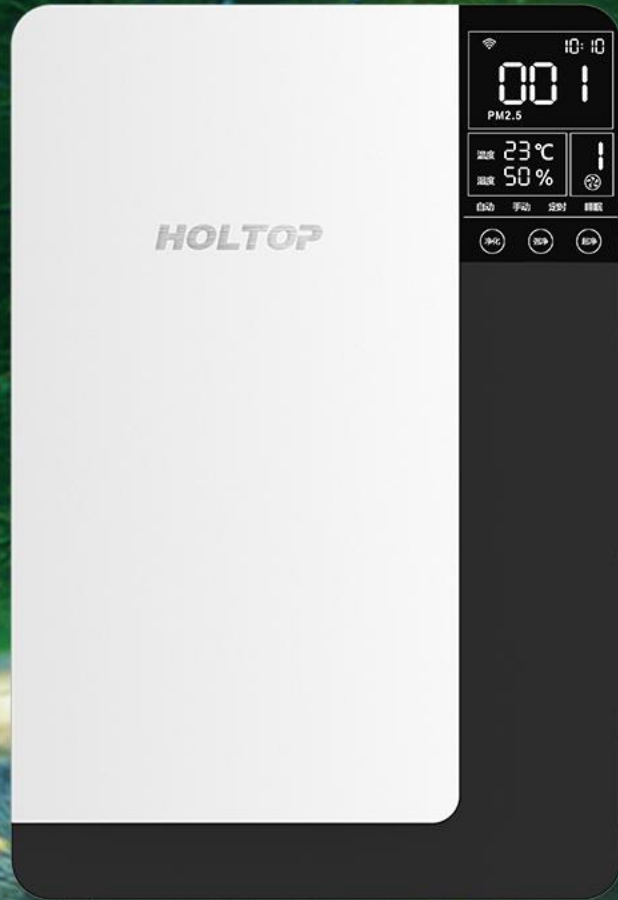


HOLTOP



ECO-clean Forest Series

Energy Recovery Ventilator

Holtop keeps striving for the best air quality and delivering healthy fresh air to users' homes to create users' private forest oxygen bar!

Ductless Wall Mounting ERV

Features

- Ductless design to meet ventilation demand in any houses
- Triple filters (Primary+HEPA+Active Carbon)
- Indoor air quality monitor
- High efficiency heat exchange core
- High efficiency DC motors
- Silence Operation
- Indoor slight positive pressure



Eco-Clean Forest

Parameters

Model	ERVQ-B150-1A1F
Airflow (m ³ /h)	150
Filtration efficiency (%)	99% HEPA
Filtration mode	PM2.5 purify / Deep purify / Ultra purify
Speed	DC / 8 speed
Input power (W)	35
Temperature efficiency (%)	82%
Noise dB(A)	23-36
Control	Touch screen panel / Remote control
Air Quality Display	PM2.5 / Temp & R.H.
Operational Mode	Manual / Auto / Timer
Suitable room size (m ²)	20-45
Dimension (mm)	450*155*660
Weight (kg)	10



Special Care for Your Children and Family

Children are all your hope

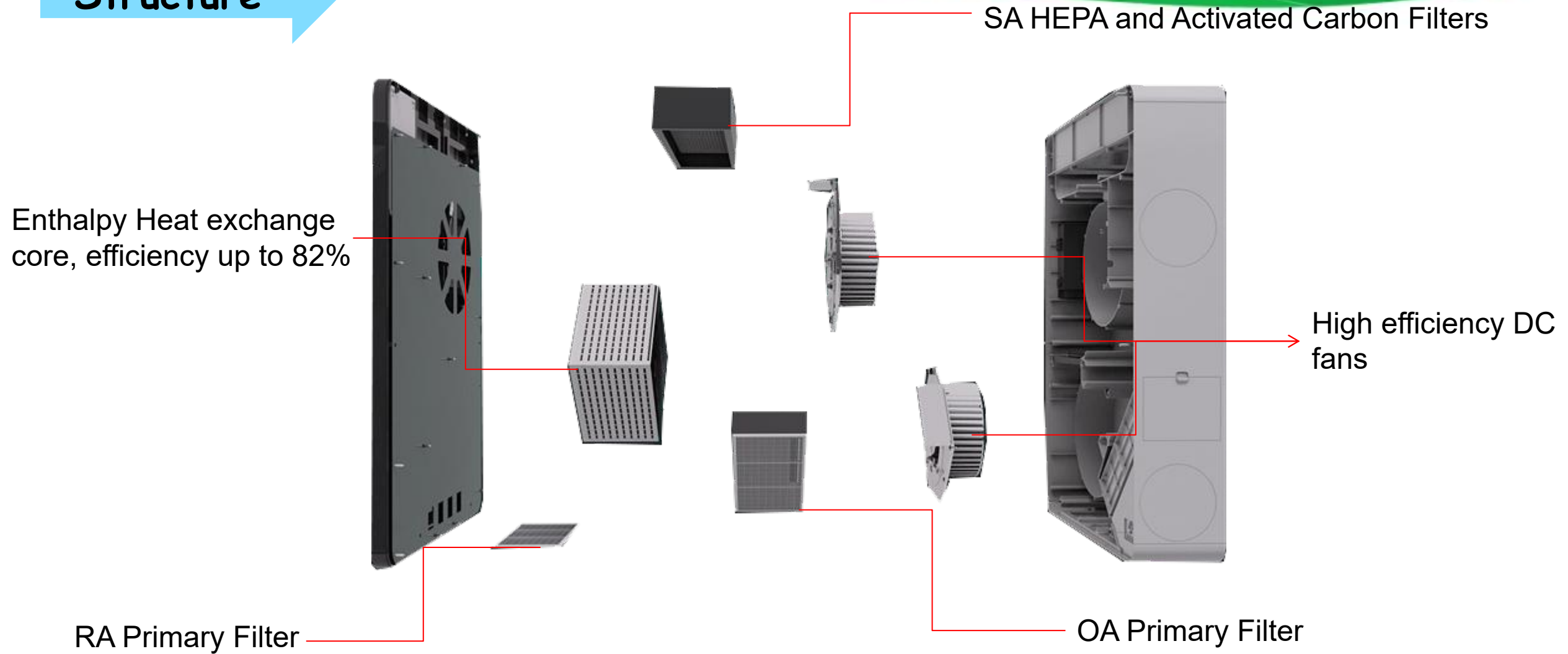
Family gives you comfort after all hard work

Bad air quality influences children's sleep and rest, delays study and affects growth. With bad air quality, family will easily have rhinitis, pharyngitis, trachitis, asthma attack, which is miserable.

Holtop Eco-clean forest series energy recovery ventilator-build a healthy home for you!



Structure



Triple Filters

Four-layer filtration, up to H13 filtration class
- PM2.5 purification effectiveness up to 99.9%

Pure physical purification, offers more safety and trust
- Effectively isolates risk from ozone and high voltage electricity



DOUBLE-EFFECT DEGRADATION OF FORMALDEHYDE

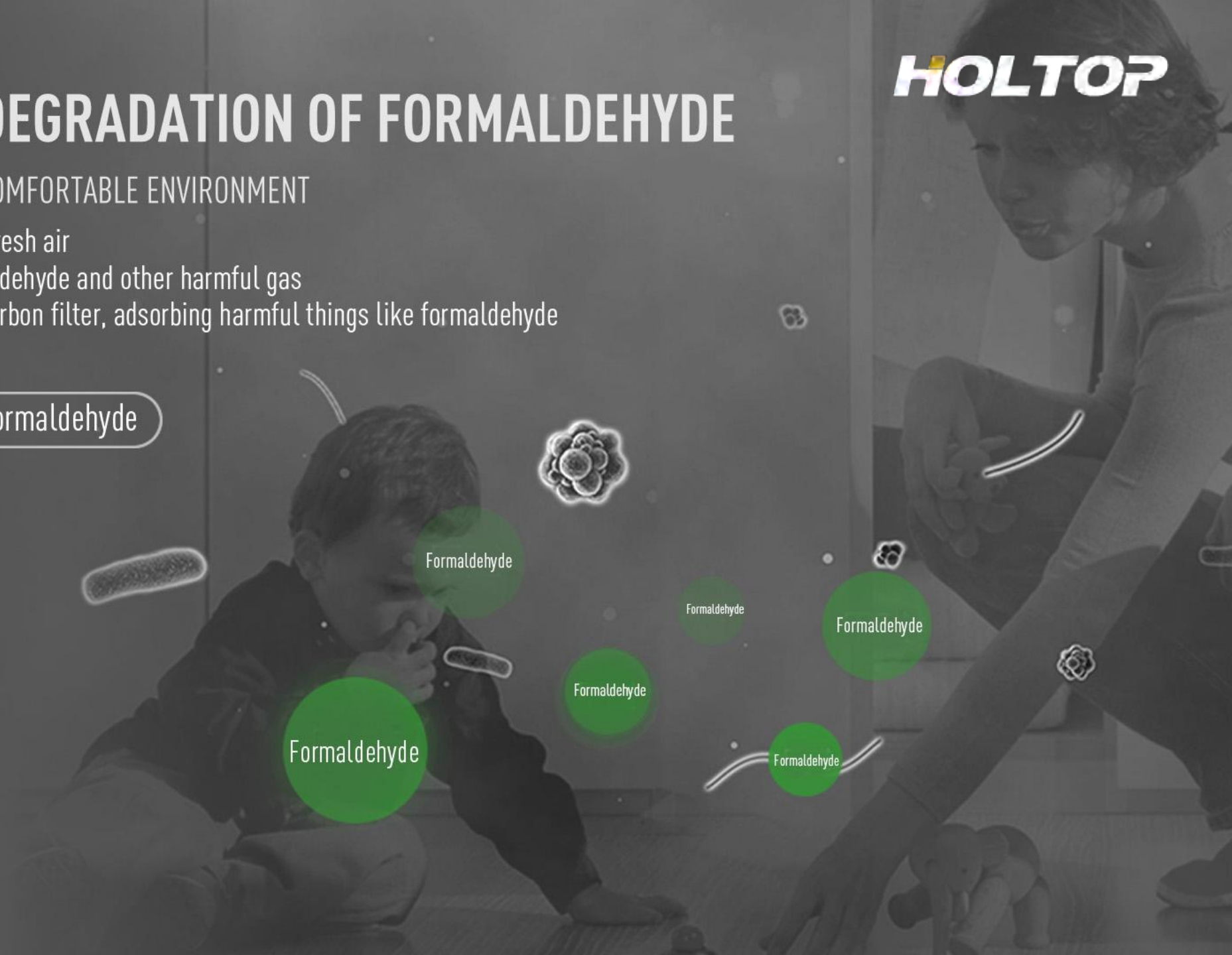
TO CREATE A SAFER AND MORE COMFORTABLE ENVIRONMENT

Expel polluted indoor air with clean fresh air

Keep diluting concentration of formaldehyde and other harmful gas

Further purification from activated carbon filter, adsorbing harmful things like formaldehyde

Effectively eliminate 95% of formaldehyde



HOLTOP ERV EFFECTIVELY PURIFY AIR

Different purification modes could satisfy different application areas and situation

Creative Pure Low, Pure Medium and Pure High mode
Ensure the indoor air quality thoroughly

PM2.5 value of supply fresh air is lower than

$5\mu\text{g}/\text{m}^3$

Indoor pollutant can be reduced **90%**
within 30 minutes

HEALTHY
AIR CREATOR



IS CLEAN ENOUGH?

WE NEED **FRESHER!**

Large fresh air airflow make your home air quality surpass the five-star hotel.
Abundant oxygen, healthier, more comfortable



INTERNATIONAL STANDARDS:

For residential house, average fresh air airflow per person should exceed $30\text{m}^3/\text{h}$.

For Five star hotel, average fresh air airflow per person should exceed $50\text{m}^3/\text{h}$.

Holtop wall mounted ERV installed in bedroom, average fresh air airflow per person is as high as $75\text{m}^3/\text{h}$.



DC motor, 8-speed regulation

Freely adjust the air supply volume slightly larger than the exhaust air volume to form a slight positive pressure in the room to ensure that no pollutants can penetrate into the gaps such as windows.

HOLTOP

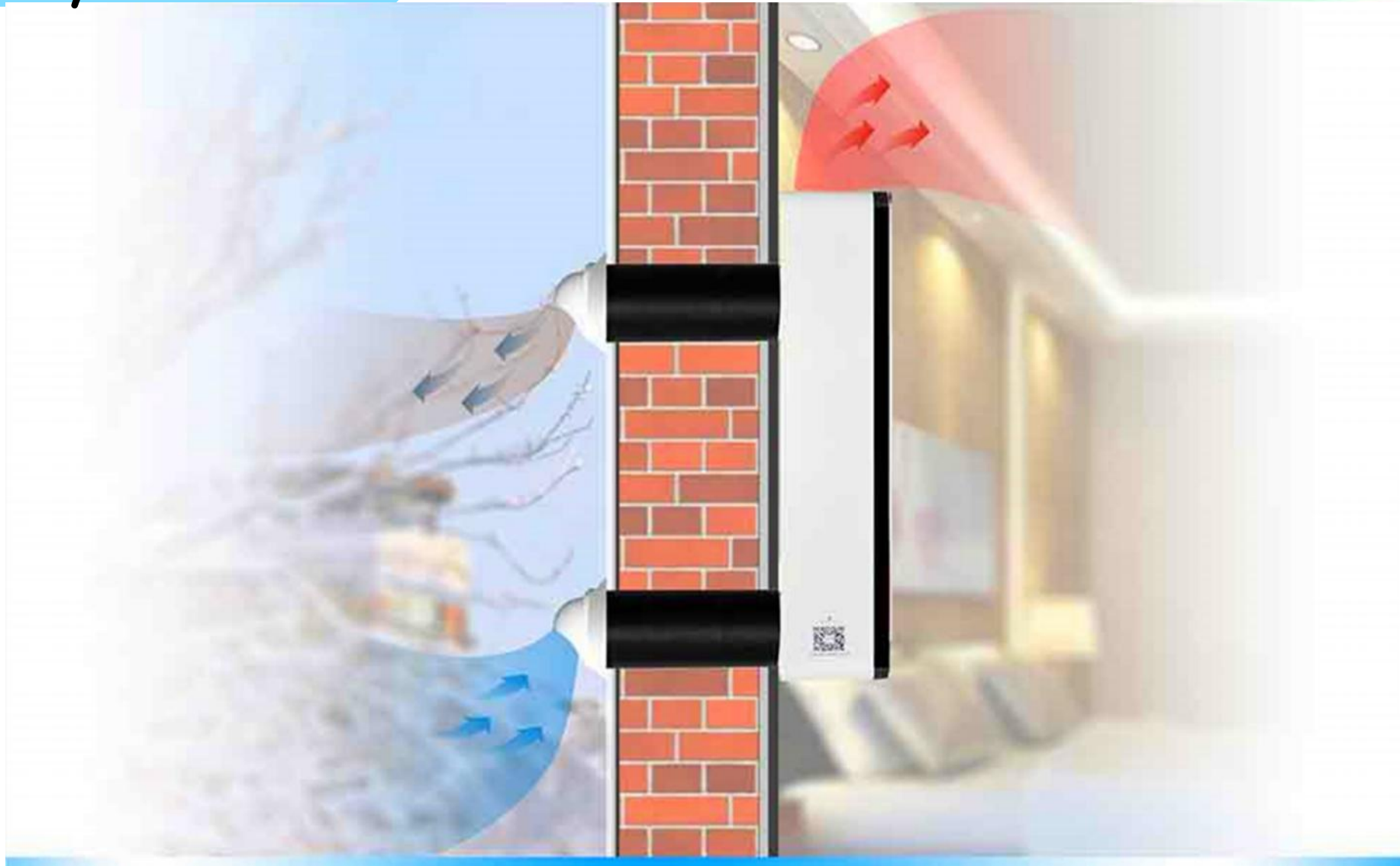
ENJOY QUIET LIFE



18 years R&D and manufacturing,
More than 2,000,000 units production,
All these contribute to providing quieter but efficient fresh air.
Noise as low as 23 dB(A)



Two-Way Ventilation



3rd Generation Enthalpy Heat Exchanger



Holtop has dedicated in energy recovery field since its establishment in 2002. As the main editor of the present national energy recovery standards, Holtop has many patent technologies in materials and structures

Working Principle

Fresh air supply to indoor



Extract air from indoor

Supply air (SA)

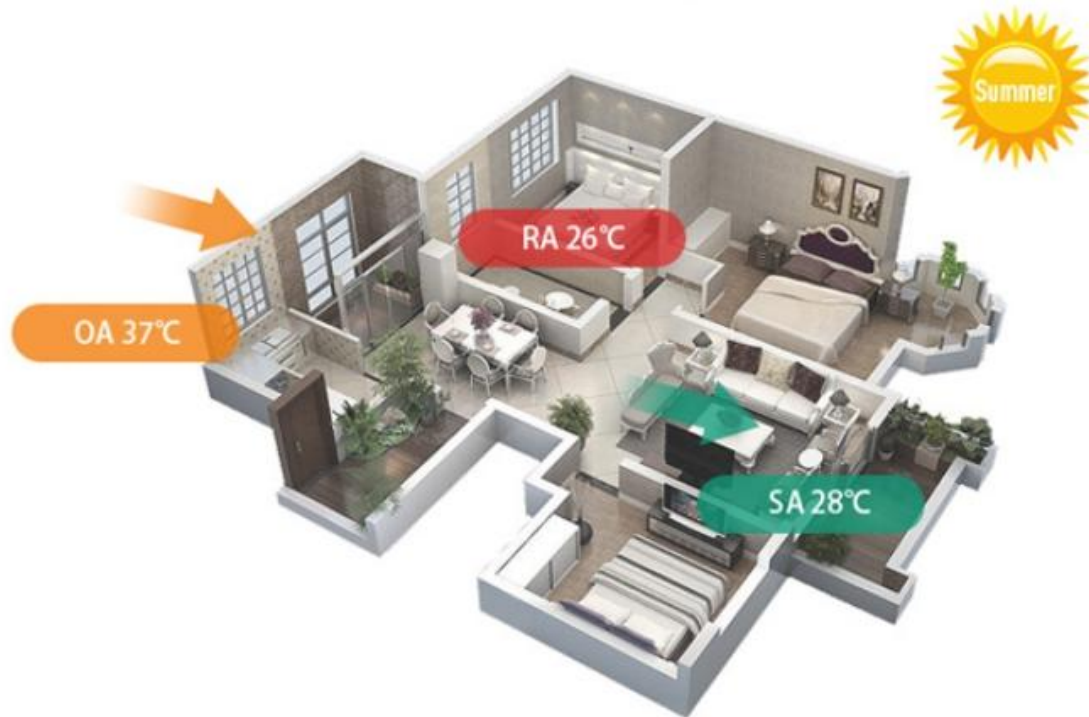
Exhaust air (EA)



Return air (RA)

Effectively Improve Indoor Temperature and Humidity

Heat recovery efficiency up to 82%



In summer, outdoor air will be cooled down from 37°C to 28°C and supplied indoor



In winter, outdoor air will be heated from -5°C to 17°C and supplied indoor

With Holtop new ventilation system, the indoor humidity can be improved at the same time.

Control System

Timely display of PM2.5,
temperature and humidity

Manual/Auto/Timer
mode optional

Remote controller
for easy function switch

Comprehensive Timely Monitoring,

Intelligent Multiple Purification
Modes

SWITCH Original function of "Pure L"
"Pure L" "Pure H",

30mins Quick Deeply Clean



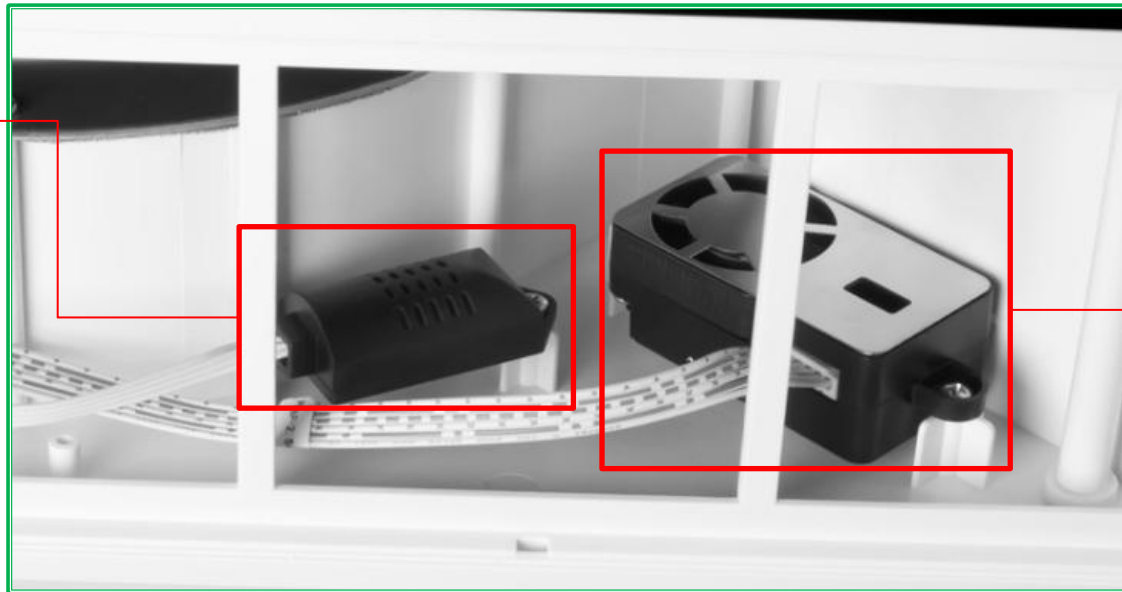
Control System

Two sensors at the indoor air return side, to monitor the real-time indoor air quality.

While under auto mode, the unit can operate accordingly to different air condition.

PM2.5 value	Status	Operational speed
$0 \leq \text{PM2.5} \leq 35$	Excellent	1
$35 < \text{PM2.5} \leq 75$	Good	2
$75 < \text{PM2.5} \leq 115$	Gentle pollution	4
$115 < \text{PM2.5} \leq 150$	Medium pollution	5
$150 < \text{PM2.5} \leq 250$	Heavy pollution	7
$\text{PM2.5} > 250$	Serious pollution	8

Temperature and humidity sensor



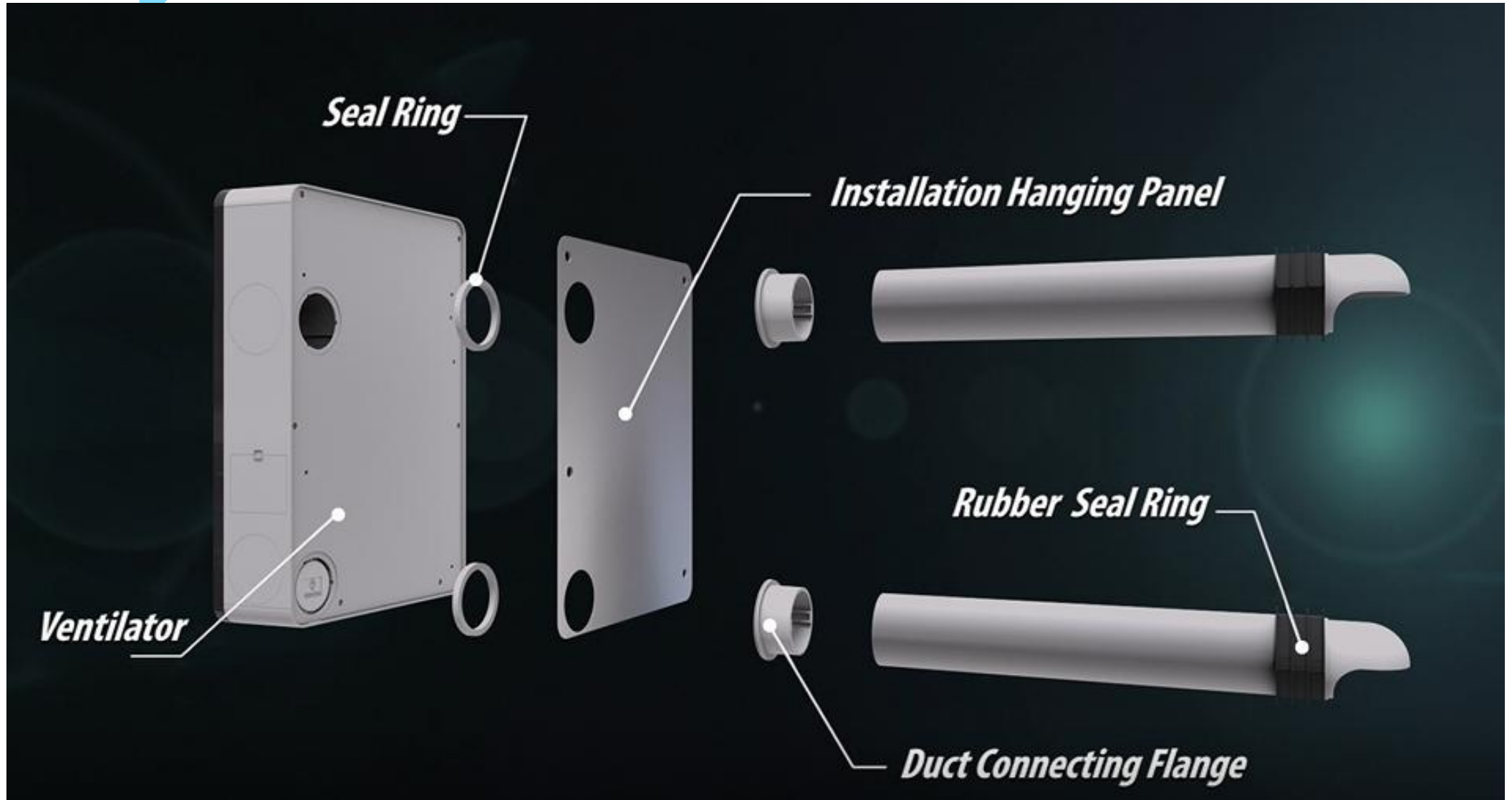
PM2.5 Sensor

Dimension



Dimension



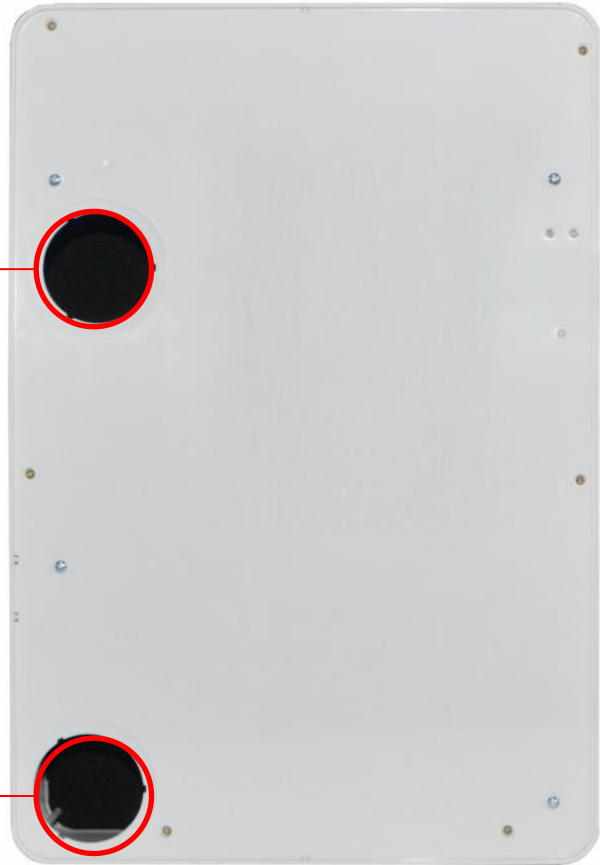
Installation

Installation Type 1



Back Installation

Exhaust air outlet



Fresh air inlet

Back Installation Cases



Installation Type 2



Side Installation

Exhaust air outlet

Fresh air inlet



Side Installation Cases



Easy Maintenance



SA HEPA and
Activated
Carbon filter



OA Primary
Filter

RA Primary
filter



Certification



CE Certificate



Patent

国家空调设备质量监督检验中心
检验报告

报告编号: 2017AC380 共 3 页 第 2 页

检验结果			
序号	检验项目	档位	检测结果
1	风量 (m³/h)	新风	150
		排风	74
2	出口静压 (Pa)	新风	4.3
		排风	0
3	输入功率 (W)		46.1
4	PM _{2.5} 一次通过净化效率 (%)	新风	99.0

备注: 1. 第 4 项装置前 PM_{2.5} 浓度为 0.728mg/m³, 装置后 PM_{2.5} 浓度为 0.007mg/m³, 本项以下空白。

Test Reports

Introduction Video

Link: <https://www.youtube.com/watch?v=bNIWC7ZViwc&t=11s>



Installation Video

Link: <https://www.youtube.com/watch?v=9opQMC1MAqs>



HOLTOP

HOLTOP

Fresh Air for Your Life!

- ✓ Heat & Energy Recovery Ventilators
- ✓ Air to Air Heat Exchangers
- ✓ Air Handling Units

