



IA60-TWHRV
Thru the Wall Heat
Recovery Ventilation Unit

TARGETED HUMIDTY AND CONDENSATION SOLUTION



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SINGLE ROOM HEAT RECOVERY VENTILATOR





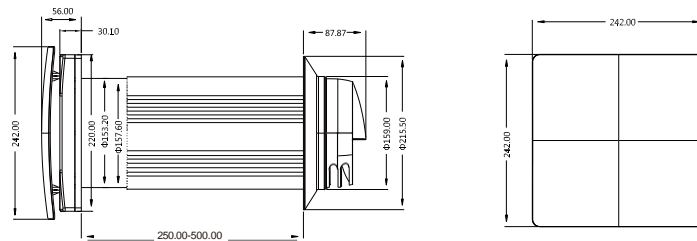
IA60-TWHRV

SINGLE ROOM HEAT RECOVERY VENTILATOR

TECHNICAL SPECIFICATIONS

Ventilation Rates	48/54/60 M ³ H
Heat Recovery Efficiency	up to 90%
Humidity Recovery	20-30%
Specific Fan Efficiency	0.06-0.17 W/cfm
Ventilation System Efficiency	0.10 Wh/m ³
Filter	G3 or optional HEPA
Sound Levels	20.0 dB/ 24.0 dB /30.0 dB

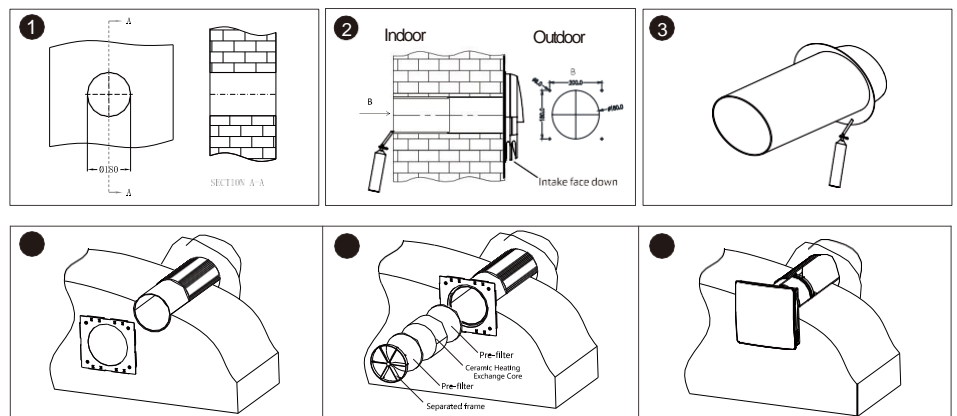
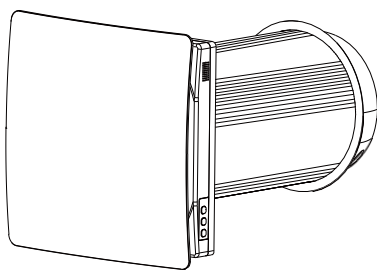
DIMENSIONS (mm)



Diameter Unit	150 mm
Exterior Tube Diameter	163 mm
Wall Thickness	Standard : 250 mm-450mm
Installation Tube (can be cut)	250 mm to 450 mm
Inside Cover	242 mm x 242 mm

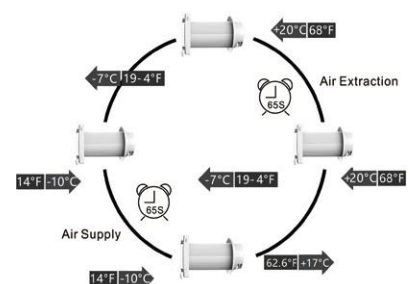
- Supplies clean fresh air to the premises
- Energy Saving
- Prevents excessive humidity and appearance of mould
- Low noise level
- Clean intake air from dust, insects, exhaust fumes
- Recover heat and provide indoor humidity balance

VENTILATOR MOUNTING



Working Principle

The basic unit is a through wall fan, with a ceramic regenerative heat exchanger behind it. These fans provide continuous ventilation without the need for duct-work and are installed directly in the exterior wall. The fan's heat recovery is possible thanks to a ceramic core that is charged in a 65 seconds cycle.

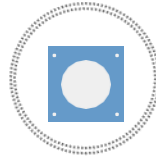


IA60-TWHRV

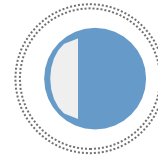


Front Panel

Mounting Plate



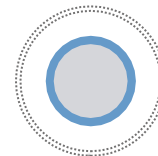
Rubber Ring



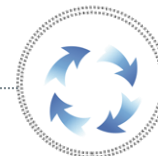
EC Fan



Retractable Ducting



Filters



Ceramic Exchange Core

Honeycomb structure for high thermal efficiency. Ensure high and efficient energy exchange, reduce energy loss.

Ensure air filtration and prevent ingress of dust and foreign objects into the regenerator and the fan.

FUNCTIONAL AND RELIABLE

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THREE WORKING MODES



INTAKE MODE
Bringing fresh air
into the room



EXHAUST MODE
Elimination of
indoor exhaust
gases



REGENERATION MODE
Air intake and
exhaust
circulation per 65S

Warm damp stale air is extracted from a premise, simultaneously heating up and moisturising the regenerator. Filter prevents ingress of contaminants into the regenerator.

WARM AIR

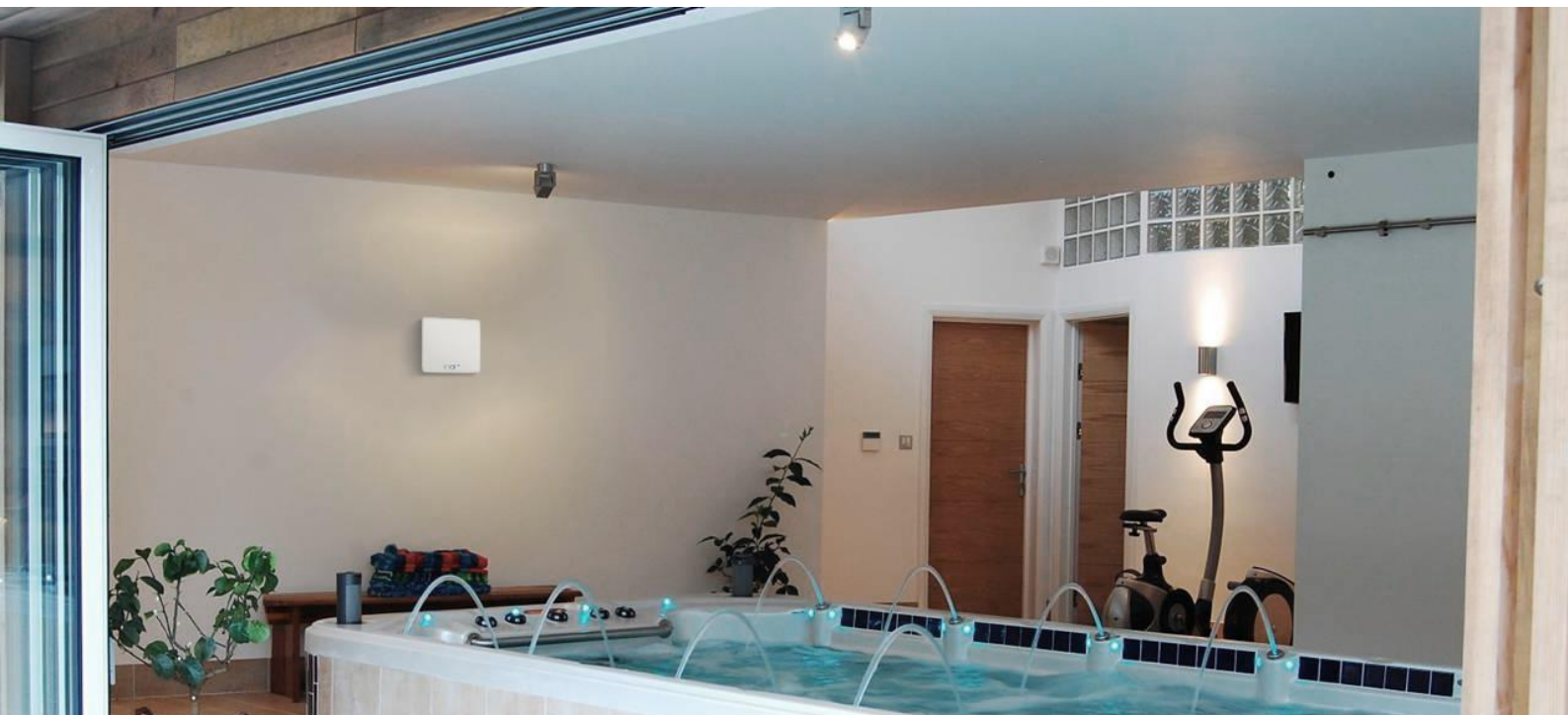
In 65 s the ventilator automatically switches to air exhaust mode.

COLD AIR

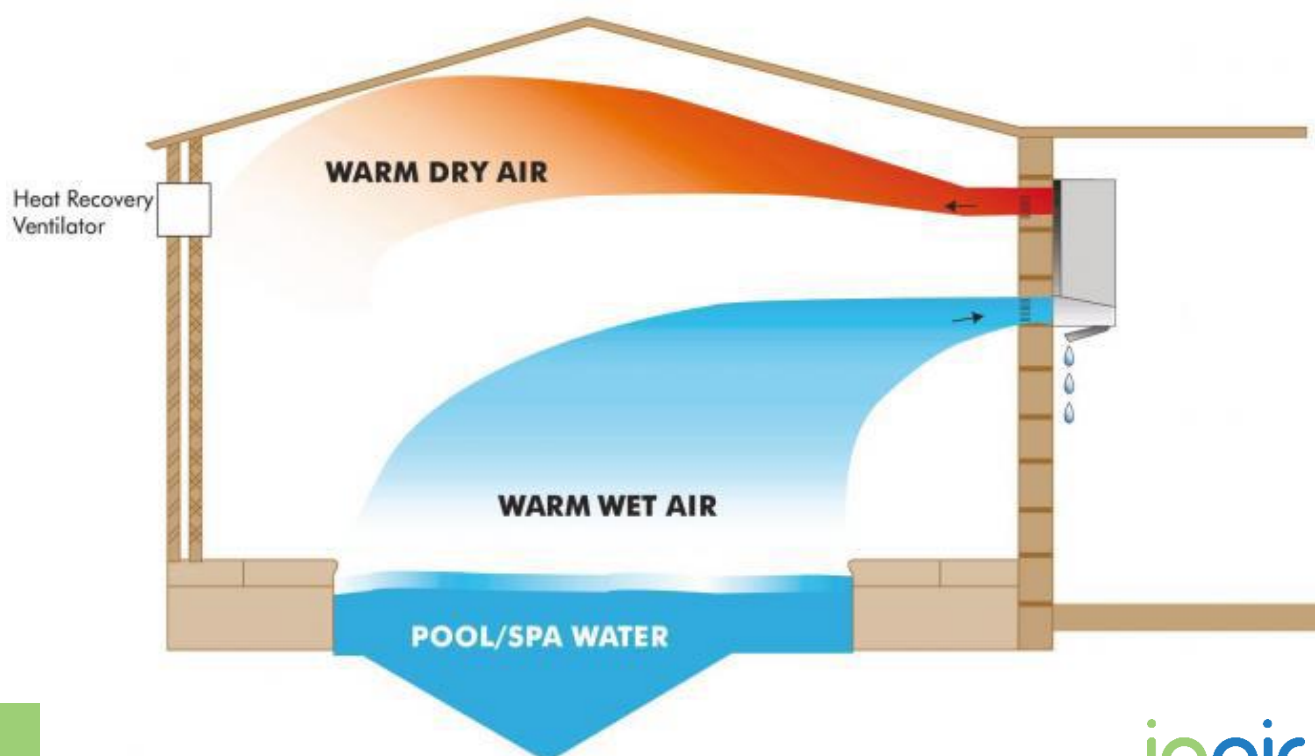
Fresh intake air from outside flows through the ceramic exchanger and absorbs moisture and heats up to the room temperature. In 65 seconds as the ceramic regenerator gets cooled down, the ventilator is switched into extract mode and the cycle is renewed



PERFECT FOR WET ROOMS, INDOOR POOLS AND SPAS.



Humidity control is essential in an indoor wet environment, as high humidity can cause multiple issues leading to mould or even damage to the building fabric. The IA60 can be used for changing rooms, wet rooms and more.



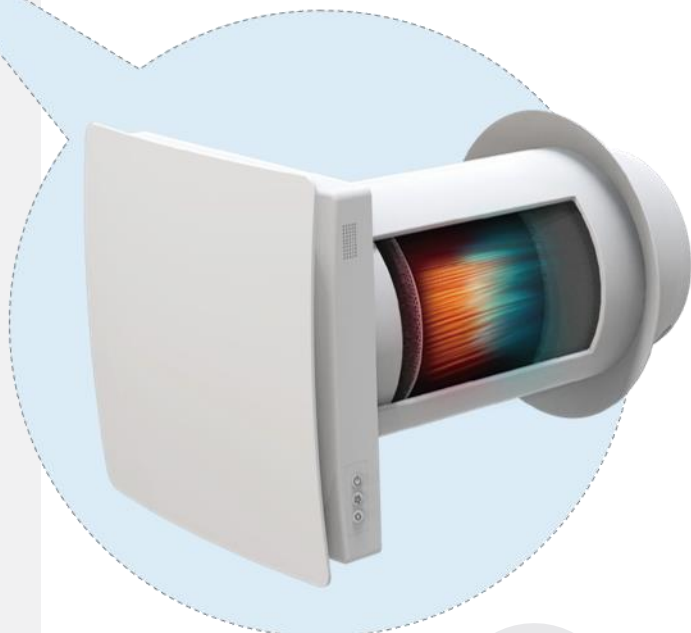
EFFECTIVE VENTILATION FOR VARIOUS TYPES OF PREMISES



IA60-TWHRV recuperators provide continuous ventilation without the need for ductwork - installed directly in the exterior wall.

The heat exchanger core is changed every 65 seconds after which the fan reverses and the incoming air absorbs the stored heat on its way in.

Creates a very quiet heat recovery ventilation system without the need for ducts and balancing, with specific fan efficiency.



EASY CONTROL!



ONOFF

Low speed
Middle speed
High speed

Fresh Air mode
Exhaust mode

Low humidity
Medium humidity

Night mode

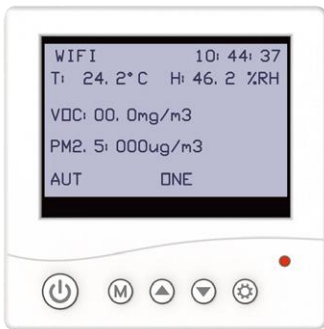
Cycle mode

High humidity

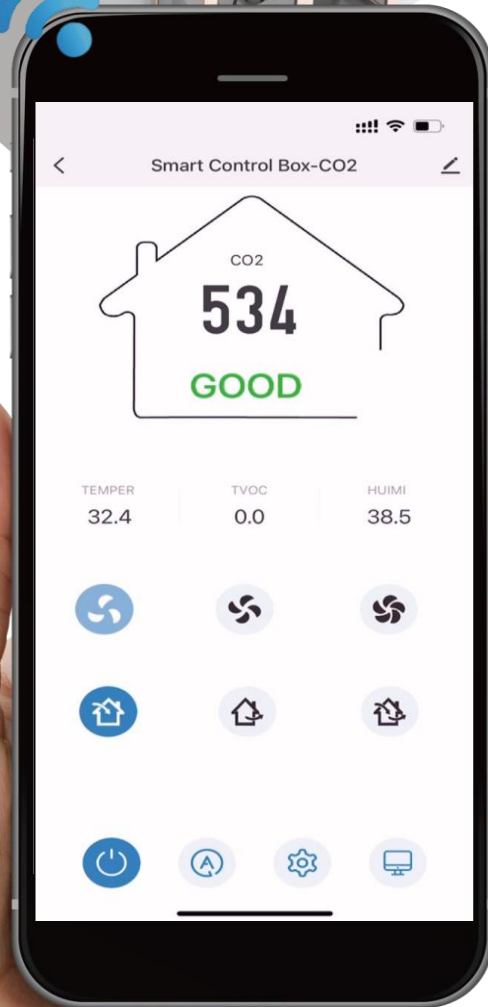


Simple and convenient control via wireless remote, manual button

SMART CONTROLLER, SYNC CONTROL MULTI-DEVICES



Programmable Thermostat



With WIFI Connection, To Control All Devices With Synchronization And Monitor Indoor Air Quality.

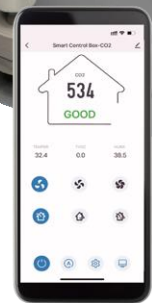
Download Tuya Smart app

You can download the Tuya Smart app by searching for Tuya Smart in your app store or by scanning the following QR code.

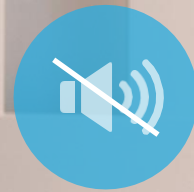


REMOTE CONTROL APP

After connecting with WIFI, you can remotely control the device without being on the same network, to ensure that you will experience a clean air at any time anywhere.



QUIET AND COMFORTABLE WITH LOW NOISE



20dB