

# ERS170

ENERGY RECOVERY SYSTEM  
UP TO 330M<sup>2</sup>



**hometech**<sup>TM</sup>  
The Ventilation Specialists



## PRODUCT DESCRIPTION

The Energy Recovery system Ventilation Technology replaces stale indoor air with an identical amount of fresh air from the outside, keeping the home balance pressured. It helps prevent moisture build-up and reduces condensation buildup.

## KEY BENEFITS

- Creates Healthier drier air whilst maintaining balanced pressure.
- Energy Efficient with heat recovery mode to extract heat from stale air.
- Helps reduce condensation buildup
- Humidistat control to easily set humidity for home.

## APPLICATIONS

\*This system is suitable for, but not limited to the following areas:

- Whole home ventilation

## PRODUCT COMPLIANCE

- G4: Fresh air volume designed to exceed 0.35ACH
- Extract air volume compliant with 10l/s continuous for up to 3 bathrooms.
- Homestar: v5 9&10 Stars (Mechanical Ventilation with Heat Recovery/MVHR)
- B2, E2
- Flashings - roof Penetrations - to NZBC E2/AS1, 8.4.17 Formidable grade flashings, material to match the roofing, to the same standards as the profiled sheets, notched where across profile, in accordance with Just life recommended details.

## ELECTRICAL

- Electrical connection excluded.
- All fans to be connected to an isolating switch as per AS/NZS 3000:2018.

## WARRANTY

- 5 years for internal components
- 5 years for installation
- 10 year leak proof warranty
- Lifetime warranty for ERS Core.

Terms and conditions apply.

## SPECIFICATIONS

<b>Air Flow</b>	Supply: 84 L/s Exhaust: 85 l/s
<b>Diameter</b>	150 ducting
<b>Install Location</b>	Attic Location with openings in the habitable spaces.
<b>Rooms Served</b>	330 m <sup>2</sup>
<b>Ventilation Type</b>	Balanced
<b>Filter</b>	Polyester Filters
<b>Control</b>	Keypad to set Humidity with fingertip control
<b>Power</b>	110 w

## EXPANSIONS / ALTERNATIVES

- ERS150 - up to 230m<sup>2</sup>

## LIMITATIONS

- Air pathways need to be provided between supply air points and return air. These are typically provided by door undercuts. A heat recovery unit tempers the incoming air by moving some of the heating or cooling energy from the outgoing air to the incoming air. If you don't have supplementary heating or cooling then the house will typically equalise with the outdoor air temperature over time. While fresh air systems can reduce the relative humidity of a house they aren't the equivalent of a traditional dehumidifier. Instead they rely on physics to achieve moisture removal this means the ambient weather conditions will affect the performance.

## INSTALLATION

To be carried out by Hometech to manufacturer's recommendations:

- Roof cavity/attic access is required for installation.
- Installation should be undertaken by a qualified installer.

## MAINTENANCE

- At regular intervals following installation, the filter should be cleaned to ensure there is no build-up of dirt or other deposits. It is recommended this is done as part of a scheduled yearly maintenance program. Or more frequently if required.
- If any problems arise, please contact your installation professional.

