



AIRSENSE™

THE NEXT GENERATION  
OF HOME VENTILATION



# OUR PURPOSE AT HRV

At HRV, our purpose is to make all kiwi homes healthier.

Since 2003, we've helped 500,000+ Kiwis tackle some of the healthy home issues we face in New Zealand.



AirSense™ home ventilation brings fresh dry air into the home and is scientifically proven to reduce moisture<sup>1</sup>, and helps prevent mould... to give all New Zealanders the best in home health and comfort.



HRV AirSense™ is approved by BRANZ, Allergy NZ, Sensitive Choice and is a 'Friend of the Foundation', a business sponsorship programme of the Asthma and Respiratory Foundation NZ. HRV is also New Zealand's most trusted home ventilation brand, as voted by New Zealanders in the 2022 and 2023 Reader's Digest Trusted Brands Survey.



1. Based on a scientific study of 15 New Zealand homes conducted by Unitec Institute of Technology (Auckland) on behalf of HRV during winter and spring 2021. Results may vary depending on design and geographic location of a home.

# HEALTHY HOMES AT A GLANCE

At HRV, we say everyone should love the feeling of coming home. But there's more to what we do than just a feeling! Here's some of the science that sits behind what we do.



## DOWN WITH DAMP!

Dampness and mould growth can exacerbate asthma and increase the risk of asthma onset<sup>i</sup>. Indoor dampness and mould is also associated with an increased risk of respiratory tract infections and bronchitis<sup>ii</sup>.



## VENTILATE AND BREATHE EASY

Ventilation helps remove or dilute indoor airborne pollutants coming from indoor sources. This reduces the level of contaminants and improves indoor air quality (IAQ)<sup>iii</sup>.



## TOO COOL (AND DAMP) FOR COMFORT

Half of New Zealanders surveyed who own or rent their home have moved house in the past five years. More than one in five (21%) said that warmth, damp or mould was the main reasons for doing so<sup>iv</sup>.



## 3RD LEADING CAUSE OF DEATH

Respiratory disease affects 700,000 people in New Zealand and is the third leading cause of death. Asthma alone affects 1 in 8 adults and 1 in 7 children in New Zealand<sup>v</sup>.

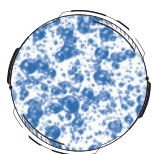
### SOURCE:

- i. Braubach M, Jacobs DE, Ormandy D (Eds.). 2011. Environmental burden of disease associated with inadequate housing: A method guide to the quantification of health effects of selected housing risks in the WHO European Region. Copenhagen, Denmark: WHO Regional Office for Europe. Available online: <http://www.euro.who.int/en/health-topics/environment-and-health/Housing-and-health/publications/2011/environmental-burden-of-disease-associated-with-inadequate-housing.-a-method-guide-to-the-quantification-of-health-effects-of-selected-housing-risks-in-the-who-european-region>
- ii. Fisk W, Eliseeva E, Mendell M. 2010. Association of residential dampness and mold with respiratory tract infections and bronchitis: a meta-analysis. *Environmental Health*, 9(1): 72. doi: 10.1186/1476-069X-9-72
- iii. [https://www.epa.gov/indoor-air-quality-iaq/improving-indoor-air-quality#:~:text=Ventilation%20and%20shading%20can%20help,indoor%20air%20quality%20\(IAQ\)](https://www.epa.gov/indoor-air-quality-iaq/improving-indoor-air-quality#:~:text=Ventilation%20and%20shading%20can%20help,indoor%20air%20quality%20(IAQ)). Source: EPA United States Environmental Protection Agency
- iv. Source: The HRV State of the Home Survey was conducted by Camorra Research Limited from 4-21 June 2021. A nationally representative sample of 1,006 respondents was surveyed (based on age, gender, and region). The margin of error on this sample is  $\pm 3.2\%$  at a 95% confidence interval level.
- v. <https://www.asthmafoundation.org.nz/research/key-statistics> 'The impact of respiratory disease in New Zealand: 2020 update'

# HOME VENTILATION EXPLAINED

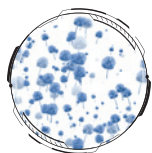
HRV AirSense™ is a New Zealand home ventilation system that's scientifically proven to reduce moisture<sup>1</sup>, and helps prevent mould.

We worked closely with researchers at Auckland's Unitec to test HRV AirSense™ home ventilation in real-world conditions. The results speak for themselves.



## LESS MOISTURE<sup>1</sup>

In a study of 15 homes over 12 weeks, most homes with HRV home ventilation showed reductions in humidity.



## PREVENT MOULD

In the same real-world study, homes with HRV home ventilation were observed (by homeowners) to help prevent mould.

## BREATHE BETTER AIR

In the Unitec real-world study, levels of particulate matter (things like dust, pollen and mould spores) and carbon dioxide all dropped when HRV home ventilation was installed.

## A HOME THAT'S EASIER TO HEAT

Damp air takes more energy to heat than dry air<sup>2</sup>. So reducing moisture levels with HRV home ventilation means you'll need less energy to stay warm, whether that's electricity, gas or even firewood.

## A SAFER, QUIETER HOME

Opening all your doors and windows will certainly help with ventilation, but that's not always a great idea. Open windows can let in street noise, pollution and cold air, and you don't want to leave doors and windows open when you're out! With HRV home ventilation your home is being ventilated 24/7, even when all the doors and windows are closed.



AirSense™  
ventilation system



Smart Touch  
controller and app

1. Based on a scientific study of 15 New Zealand homes conducted by Unitec Institute of Technology (Auckland) on behalf of HRV during winter and spring 2021. Results may vary depending on design and geographic location of a home.
2. Moisture in the home – Consumer NZ <https://www.consumer.org.nz/articles/moisture-in-the-home>

# THE AIRSENSE™ RANGE

Your HRV-certified home ventilation expert will work with you to recommend a custom-made AirSense™ system that's perfect for your home, your family and your budget.

Every HRV AirSense™ home ventilation system is custom-fitted based on the size and layout of your home and your choice of outlet and other component locations. Our competitive pricing is individual to each installation and will be provided to you after your free home assessment.

	<b>AirSense™ Essential</b> Adds German EC fan & Smart Touch panel displaying detailed air quality info	<b>AirSense™ Essential+</b> Adds Summer Kit to bring cooler air inside on hot days	<b>AirSense™ Balanced</b> Only draws fresh air from outside, via roof cavity bypass	<b>AirSense™ Balanced+</b> Manages both air outflow and inflow and adds heat exchanger
<b>Pressure system</b>	Positive	Positive	Balanced	Balanced
<b>German EC fan</b>	✓	✓	✓	✓
<b>WoolCare™ filter</b>	✓	✓	✓	✓
<b>Air quality monitoring</b>	✓	✓	✓	✓
<b>Smart Touch Controller</b>	✓	✓	✓	✓
<b>Smartphone app</b>	✓	✓	✓	✓
<b>Wi-Fi connectivity</b>	✓	✓	✓	✓
<b>Summer Kit</b>		✓	✓	✓
<b>Heat recovery exchanger</b>			✓	✓
<b>Solar heat gain</b>				✓
<b>Roof Cavity Bypass Kit</b>			✓	

<b>Optional accessories</b>				
<b>Air Transfer Kit (optional)</b>	✓	✓	N/A	N/A

## HRV Essential™

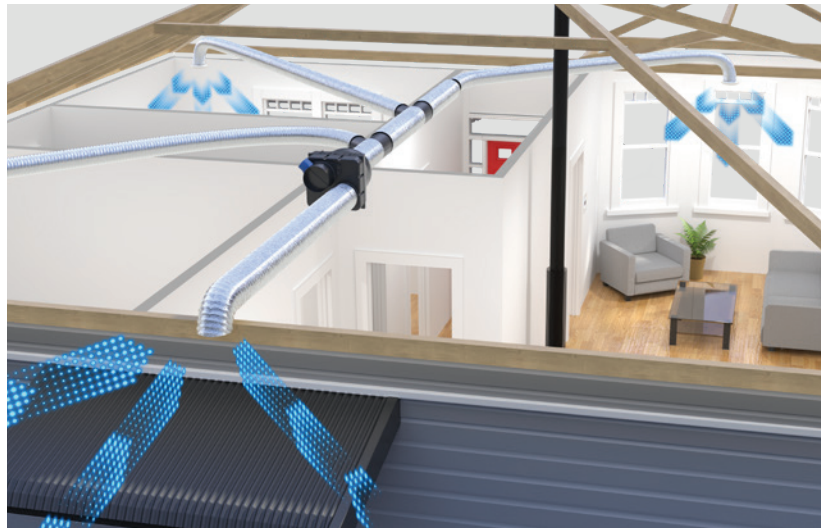


For full visibility and greater control of your HRV home ventilation system, step up to HRV AirSense™ Essential. Your Essential system adds a wide-screen Smart Touch control panel showing a wide range of air quality information including humidity, volatile organic compounds (VOCs) and CO<sub>2</sub>. AirSense™ Essential also allows complete system control and visibility via the AirSense™ app.



Smart Touch controller and app

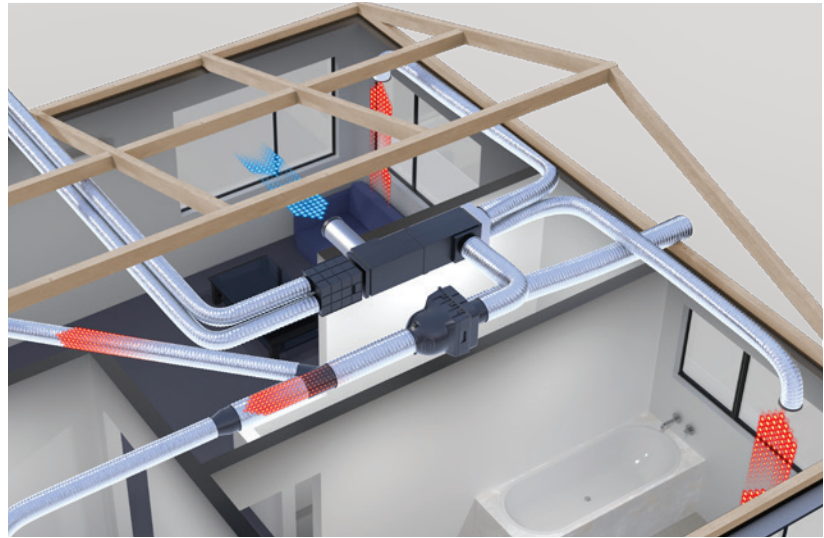
## HRV Essential+™



Summer Kit draws fresher, cooler air inside

Want to make every room the coolest room in the house? AirSense™ Essential+ shines in summer, bringing cooler air from an outside wall on the southern side of your home and adding it to the ventilation mix. Just set the desired temperature on your Smart Touch panel or app and let AirSense™ Essential+ take care of the rest.

## HRV Balanced™ and HRV Balanced+™

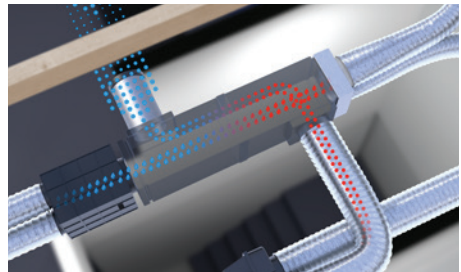


Heat recovery exchanger efficiency

An ideal system for homes where the outside temperature is colder than the inside temperature for prolonged periods of time and homes with adequate heating sources.

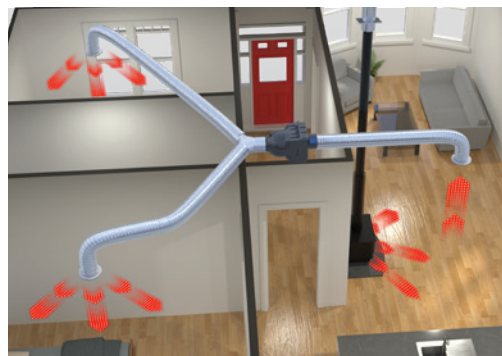
**HRV Balanced+** removes stale and moisture-laden air from your home, while simultaneously drawing in fresh air from outside or from the roof cavity if the temperature is more desirable with solar gain. Incorporates a heat exchanger for winter comfort, capturing heat energy from outgoing air (up to 90% temperature exchange efficiency) and an HRV Summer Kit for the warmer months.

**HRV Balanced** pressure system only draws fresh air from outside, incorporating a roof cavity bypass.



Heat exchanger

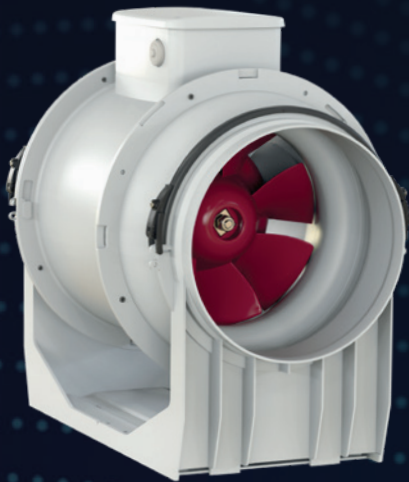
## Air Transfer Kit option



The HRV Air Transfer Kit is an optional accessory to the HRV AirSense™ range. It uses a centrifugal fan to evenly distribute warmer or colder air to all other rooms of the house.

# THE HRV ACCESSORY RANGE

While your HRV AirSense™ home ventilation system forms the heart of your home health and comfort solution, our accessory range lets you add the finishing touches.



## VORTEX EXTRACTOR FAN

Even with an HRV home ventilation system operating, some rooms in your home need fast, targeted moisture removal. A Vortex extractor fan in your bathrooms or laundry provides powerful extraction of moist air when you need it, where you need it.

## INTELLISWITCH CONTROLLER

A Vortex extractor fan can also be paired with an optional HRV IntelliSwitch which is an automatic timer to allow your extractor to do its job and then automatically switch itself off, even when you've left for work.



## CAVIUS SMOKE ALARM

The Cavius Wireless Family Mains Powered Photoelectric smoke alarm has the optimal chamber size for photodiode amplifiers and a micro-controller, which ensures precise signal processing. The Wireless Family alarms interconnect to each other using innovative radio frequency technology so when one alarm activates, they all sound.



# HOW HRV MAKES IT EASY

Choosing, buying and owning an HRV product should be a breeze – so we've worked hard to make sure it is!

## PROFESSIONAL INSTALLATION

Your HRV installation team is trained to give you a smooth installation experience and a tidy finished result.

## EXPERT SERVICING

Your HRV built or installed product is designed to give you many years of trouble-free operation. Regular servicing is key to that, so we stand by and service everything we sell.

## CUSTOMER CARE ON CALL

Just call 0800 478 123 to connect with one of our super-friendly, experienced team. They love to help!

## VENTILATION'S JUST THE START!

At HRV you'll find trusted solutions for many other parts of the home, like heating and cooling, water filtration and even EV charger installation.



## FINANCE OPTIONS TO SUIT



Transform your home's health now, and spread out the payments. Scan the QR code or visit [hrv.co.nz/finance](http://hrv.co.nz/finance) to see our latest finance offers.

(Credit and lending criteria and fees apply.)



AT HRV  
WE WANT  
EVERY KIWI  
FAMILY TO  
LOVE THE  
FEELING OF  
COMING  
HOME

## YOUR IN-HOME EXPERT

NAME

PHONE

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**Love the feeling  
of coming home**

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