

Breathe easy...

The HRV System safely removes

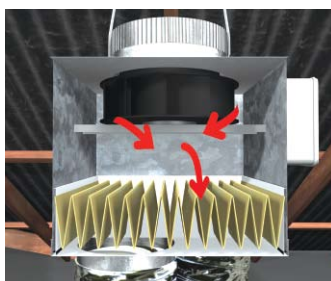
Allergens
Pollen
Harmful Dust
Toxic Gases
Bacteria
Crop Spray
Cigarette Smoke
Vehicle Pollution



Treat yourself to a fresh, healthy HRV home environment



With the HRV Home Ventilation system, outside air is drawn through the roof space (up to 7 air changes per hour) and into the system. A superior deep-pleat, electrostatically charged filtration system, and the best fan available, create the heart of New Zealand's leading whole home ventilation system.



The incoming fresh air is filtered through the HRV system's medical grade filter and then distributed through your home.



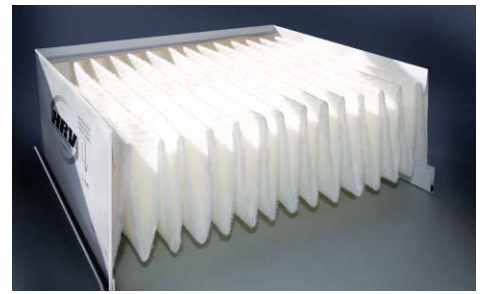
Filtered air, free from pollutants, gently circulates through the rooms creating a fresh, healthier home environment with an even temperature that you control.

- Remove toxins, pollen, allergens and harmful dust
- Remove the environment dust mites thrive in
- A sensitive choice for asthma and allergy sufferers
- Improve air quality in your home = improved health



Health, particles and air pollutants

Particles in the air carry pollutants, some of which can cause lung damage or allergic reactions when inhaled. Breathable particles are referred to as PM-10 (particle matter) smaller than 10µm (micro metres). These particles are largely produced by industrial processes, incineration and combustion processes, nature (pollen, mould, microbes) and predominantly by vehicle emissions. The particles in our urban air show a bimodal distribution with the most dominant particle being 0.4 micron which is the most difficult size to catch.



Deep pleat for 8x filter surface area

Key benefits of the HRV filter

- **Reduction of exposure to toxic substances.**

Approximately 50% of the toxic substances we are exposed to in life is from the air in our homes. With an HRV system you are changing the air in your home 2-3 times per hour. The average efficiency of the HRV deep pleat filter is 60-80% > 0.4 micron, therefore reducing your total exposure to toxic substances by 30-40%.

- **Reduction of dust particles in your home.**

By introducing fresh clean air into your home, you will reduce the dust being sucked in. Extractor fans and fireplaces contribute to air being sucked into your home through cracks and gaps or open windows and doors. HRV provides positive pressure to help overcome these losses.

Key design features

- **Electrostatically active filter media.**

SynSafe Ultra is outstanding in the field of filtration. 4 years of research and development by Scandfilter AB in Sweden has produced filter media with an inherent electrostatic charge. This charge is induced in the media by a combination of factors.

- Special blending of different fibres
- The cleanliness and preparation of these fibres
- The clean room conditions in which the media is made
- State of the art manufacturing machinery

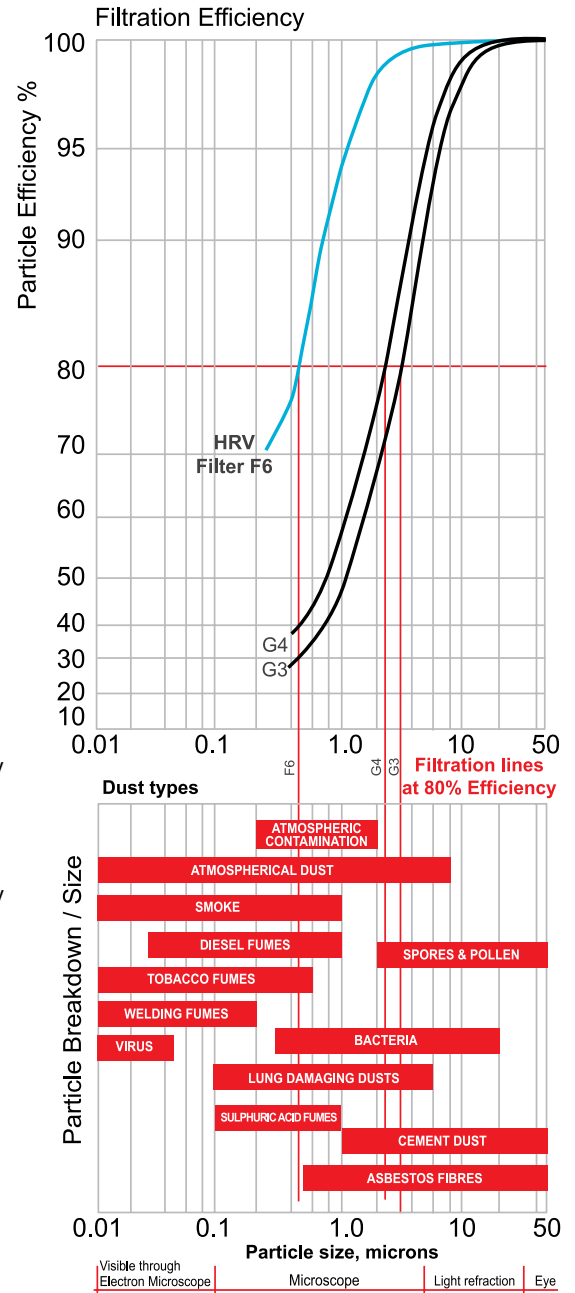
The electrostatic media is then used to produce a graduated density 'batt' which is laminated to a nylon monofilament mesh. This is then pleated and heat set. Pleating creates a larger surface area - the 300mmx300mmx130mm filter box actually contains a surface area of 3 metres x 300mm!

Major benefits of this design are high initial efficiency and high dust holding capacity. HRV is leading the way with home ventilation filtration by using an industry leading technology.



Serious about a sustainable healthy home? We are.

The HRV Whole Home Ventilation System is an innovation designed to maximise your home comfort and minimise pollutants and energy cost.



**Breathe Easy...
The Butterfly has landed**



Approved by the Asthma and Respiratory Foundation of New Zealand as part of the Sensitive Choice programme.