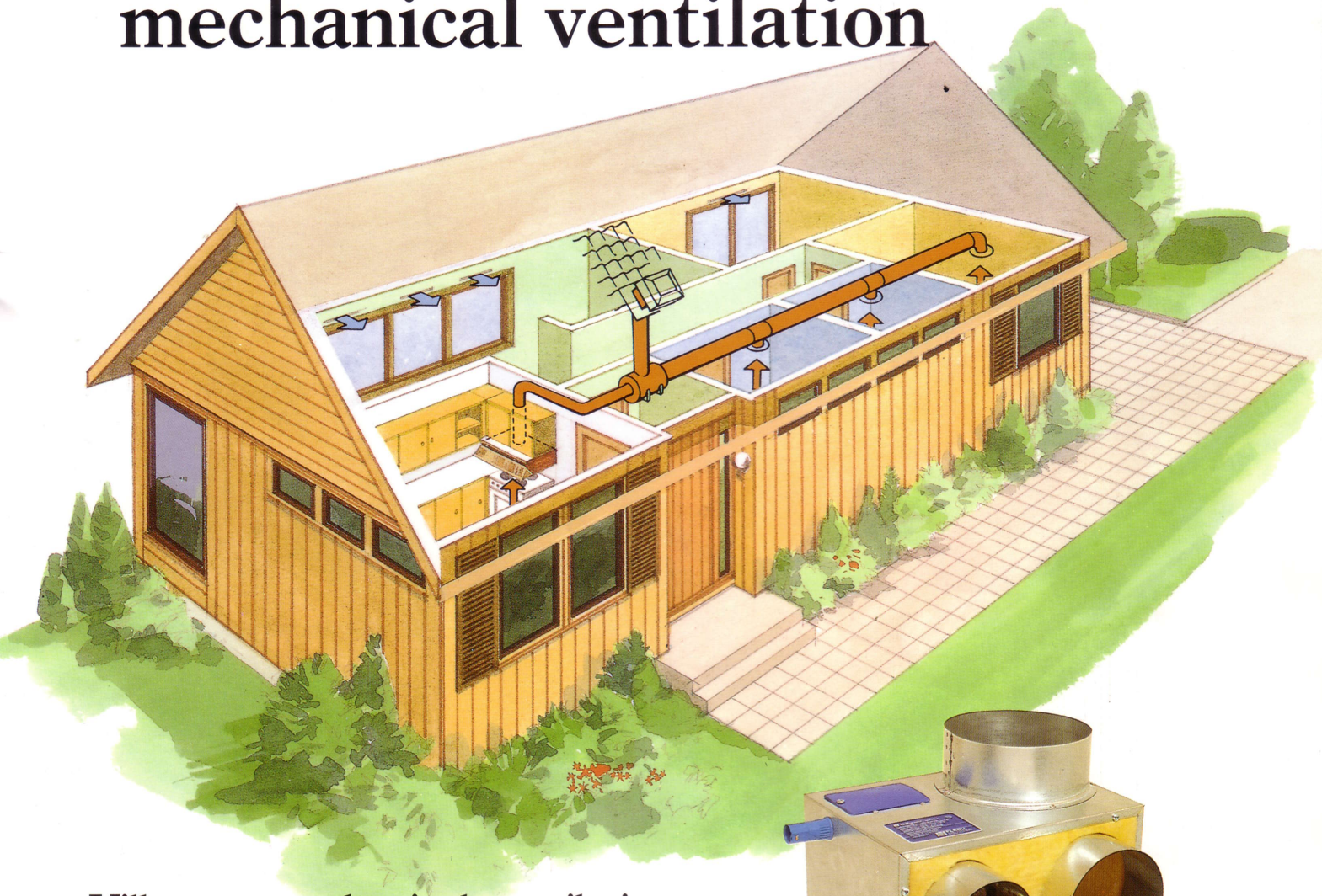


Villavent[®]

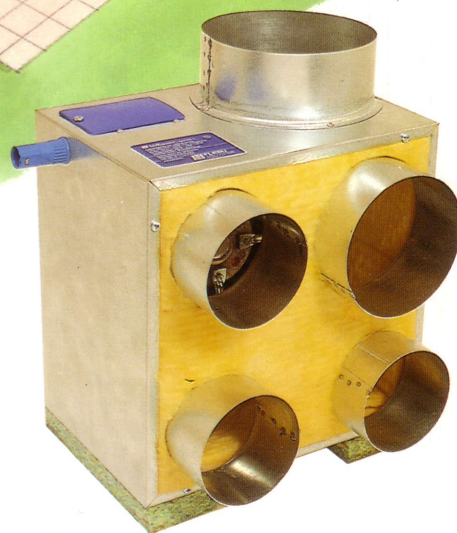
mechanical ventilation



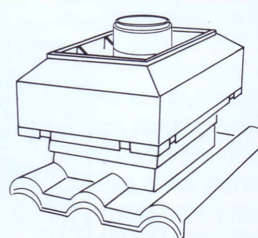
Villavent mechanical ventilation

The Villavent extract system enables you to get rid of fumes from the kitchen, steam from the bathroom and unpleasant odours from other rooms in a controlled way. The "heart" of the Villavent system is a multi functional, smooth running, exhaust fan which is normally placed in the loftspace. Flexible ducting connects the fan to exhaust louvres in the rooms being ventilated and separately to the cookerhood in the kitchen. The fan is controlled from the cookerhood by means of a speed regulator, which enables you to adjust the amount of air exactly to your needs. Normally fresh air enters the rooms through small inlet slots in the tops of windows. The pressure difference makes the air flow towards the kitchen, bathroom and laundry room etc, and in this way the fresh air ventilates the entire house. If the slots in the windows are closed, due to draught or noise, the ventilation system does not function correctly. To obtain ventilation free from draughts you will need to install Villavent balanced ventilation with heat recovery. This system is explained on the following pages.

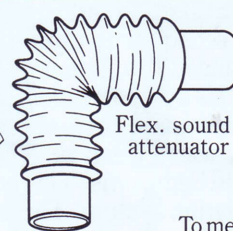
For installations in apartment blocks etc, Flebu has developed special fan models. Every apartment has its own Villament-system which enables you to adjust the amount of air exactly to your needs.



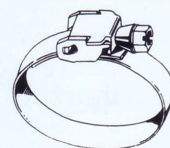
The Villavent fan has a fully insulated cabinet and is mounted on anti vibration pads. The fan is very smooth running.



Villavent weather hood



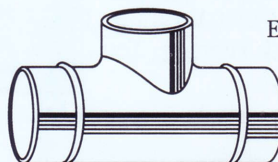
Flex. sound attenuator



Hose clip



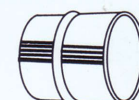
Exhaust louvre



Tee piece



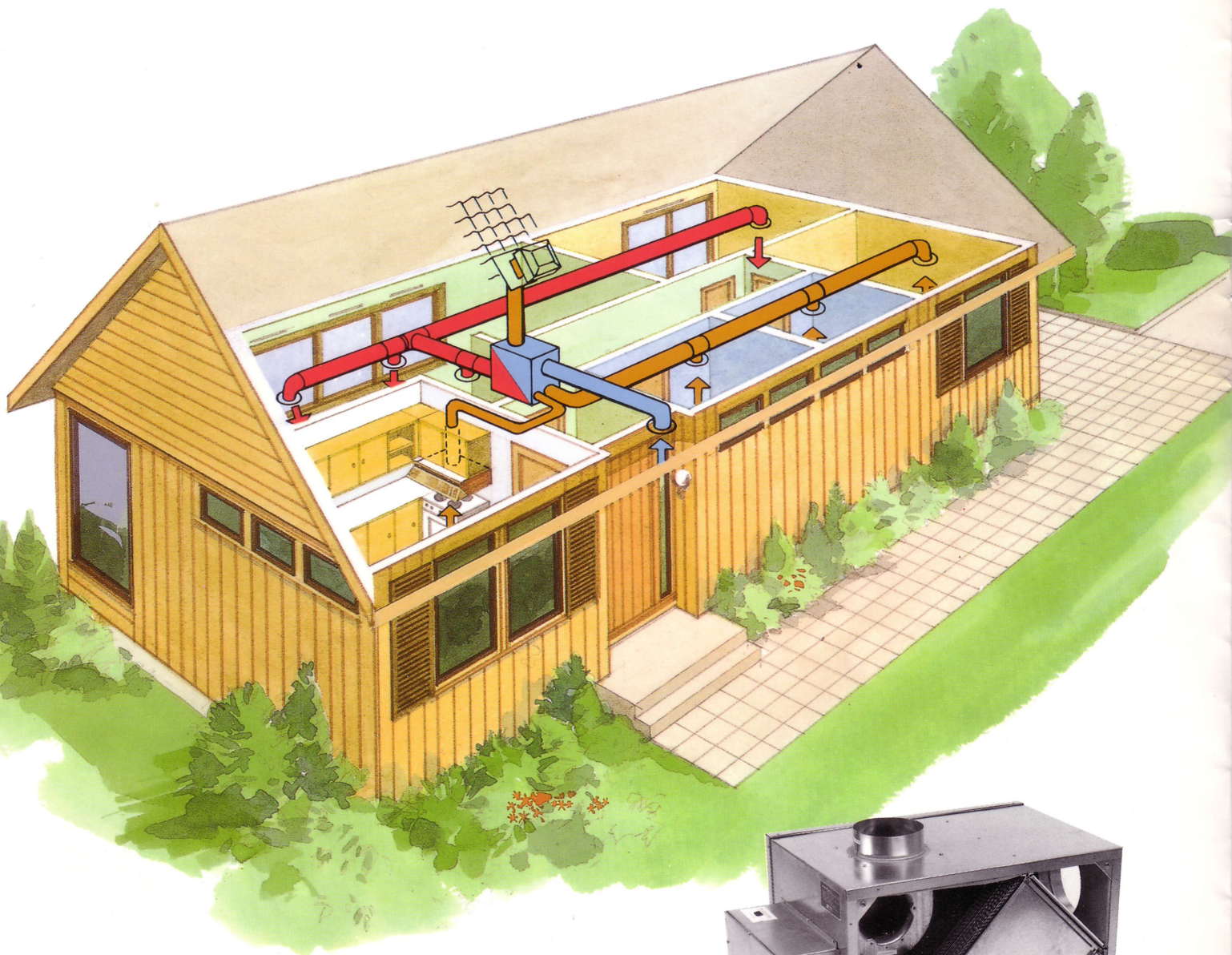
Inlet diffuser



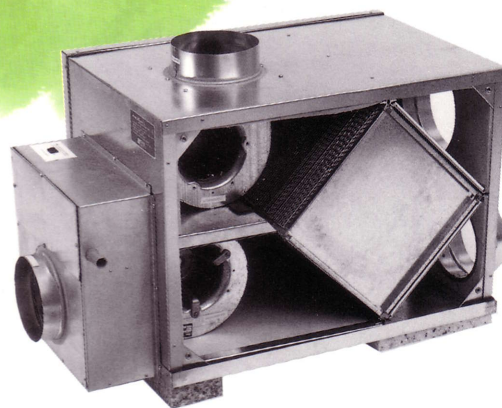
Duct connector

To meet the requirements for a quick and easy installation, we also supply louvres/diffusers, Tee pieces, aluminium ducting, either plain, pre-insulated or acoustic, and weather hoods.

VillaventX[®] balanced vent



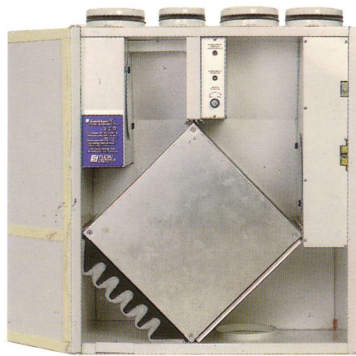
We have already presented the Villavent extract system, easy to install to give you better air in the house. The increasing requirements for a better indoor climate, together with the desire to save energy, is the reason why more people install VillaventX balanced ventilation with heat recovery in their homes. This system removes the stale air from the "wet" rooms and a corresponding quantity of clean, filtered, warm fresh air is supplied into the living rooms and bedrooms. This is what we call a balanced ventilation system. The heat recovery unit transfers approximately 70% of the energy (heat) in the warm extract air to the fresh incoming air. You can close all slots above windows and thereby avoid uncomfortable draught and noise. The unit also has an electrical reheat coil of 1200W/240V rating. The VillaventX system is very smooth running. You can hardly hear it, but you can feel it!



The VillaventX standard unit is designed to satisfy the ventilation requirements of the larger homes. The unit is provided with a crossflow heat exchanger block. The efficiency is approximately 70% (depending on temperature, airflow and humidity). The recovery unit comes with filters, both for the inlet and exhaust air and with inlet and exhaust fans. The exchanger block is constructed in aluminium which, in addition to being easy to clean, has a very good heat transfer capability. The unit has an automatic defrosting device. Extra fresh air filter, F-65, can be supplied, if required.



tilation with heat recovery

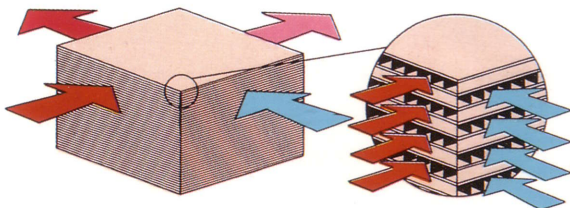


The VillaventX combi unit is for smaller houses, apartments etc. It has the same principles as the standard unit. The capacity is, however, somewhat lower, the unit is smaller and is designed to be mounted above the cookerhood or other remote location such as the loft area.



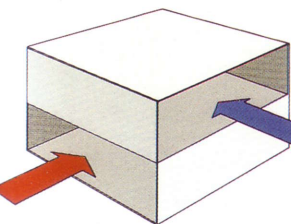
The VillaventX combi system is an ideal solution for apartments and flats. Instead of the traditional central operated ventilation systems, the VillaventX combi gives you an individually controlled system. This enables you to adjust the amount of air exactly to your needs.

The principle of the crossflow heat exchanger.



Summerblock

Changing the heat exchanger to summer block during the summer season will increase the air volume both for the supply air and the exhaust air, but with no heat recovery. This will result in a cooling effect on hot summer days.



It couldn't be easier! The system is controlled from the front panel of the cookerhood. The unit has a modern design and will match most kitchen fits.

The way the VillaventX combi works

