PARKLAND COUNTY *Where Opportunity Awaits*

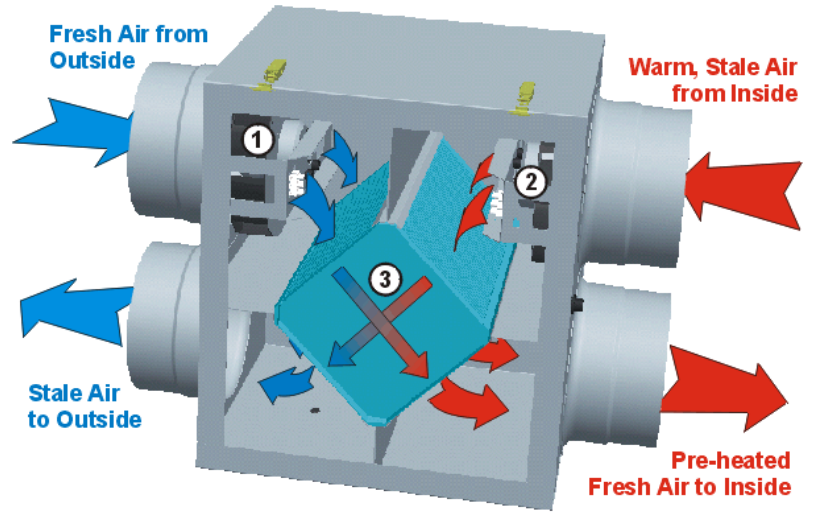
Habitat Studio & Workshop Ltd.

hvac [HRV's]

As building efficiency is improved through design of more air tight building envelopes, interiors consequently become less well ventilated. All buildings require a source of fresh air. While opening a window does provide ventilation, the building's heat and humidity will then be lost in the winter and gained in the summer, both of which are undesirable for the indoor climate and for energy efficiency, since the building's HVAC systems must compensate. Heat Recovery Ventilation (HRV) technology offers an optimal solution: fresh air, better climate control, and Energy Efficiency.

How an HRV Works

HRV's use fans to allow you to bring fresh air into the home and exhaust stale air *without losing the heat* of the exhausted air. As the cool air from outdoors passes through the heat exchange core, heat is transferred from the warm exhaust air to the fresh incoming air. The HRV is able to capture about 70% of the energy from the outgoing stale air! In summer the process can be reversed and cooler outdoor air can be drawn in to replace the warm air indoors. Our heat recovery ventilation system has been ducted to every room in the house. The returns are in the high moisture producing areas (bathrooms, kitchen and laundry) in order to remove excess humidity from the home. Fresh air is supplied to all bedrooms and living areas.



Why Two?

We have two HRV's to handle the air changes in the large volume of air space we have in our home. One HRV would not be sufficient to meet building code for the number of air changes per hour.

LIFEBREATH INDOOR AIR SYSTEMS

AIR AID MECHANICAL LTD.
SPECIALIZING IN INDOOR AIR QUALITY