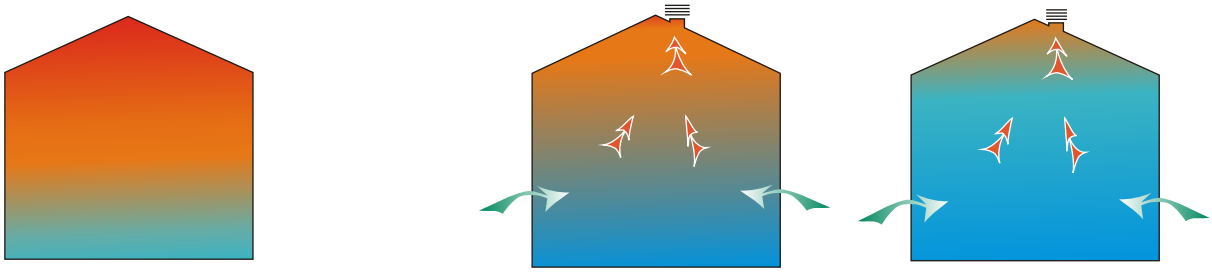
Roof Ventilation for Single Story Dwellings

DURING THE SUMMER
THIS IS YOUR HOUSE!.....

BUT YOU WANT.....THIS..... DURING THE DAY.....AND THIS AT NIGHT



AND YOU DON'T WANT ANY RUNNING OR MAINTENANCE COSTS?.....

Understanding what happens....

The attic region of a house acquires high heat load from solar gain. As the volume in the attic area expands it permeates and overloads the insulation, making comfort levels in the living area unbearable.

Add to this, the heat gain from walls, windows, appliances and that generated from the normal activity of a day, and you've got high energy encapsulation.

The aim.....

Is to lose the heat load as efficiently as possible.
Consuming energy to remove energy is not only a waste of resource but also costly.

To be noted....

Cool air always falls to the lower region of a room or dwelling. It cannot naturally rise up to the ventilator

Cool air and warm air volumes do not mix unless mechanically agitated eg ceiling fan
An example of this is a storage hot water service, hot water at the top, cold water at the bottom

To this end....

A Condor Kinetic Roof Ventilator will reduce the pressure in the roof which will allow for much better comfort levels in the rooms.
The ventilator will vent the area direct to atmosphere and if the system you chose has closeable ceiling registers, you are able to also vent the rooms themselves.
Air-conditioned houses, either refrigerated or evaporative, benefit considerably by having a Condor Kinetic Roof Ventilator installed, to eliminate air conditioner overload and reduce power consumption.

The most critical aspect of summer venting is night time purging. It is essential that the building shed it's acquired heat load of the previous day and not carry residual load into the next.

Installation...

The Condor Roof Ventilator can be structurally mounted to the roof making it ideal for cyclonic regions.
Construction is welded stainless steel and finished with polyester resin in colorbond colours.

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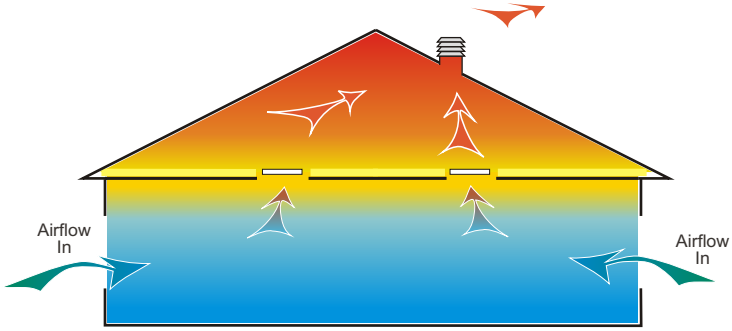
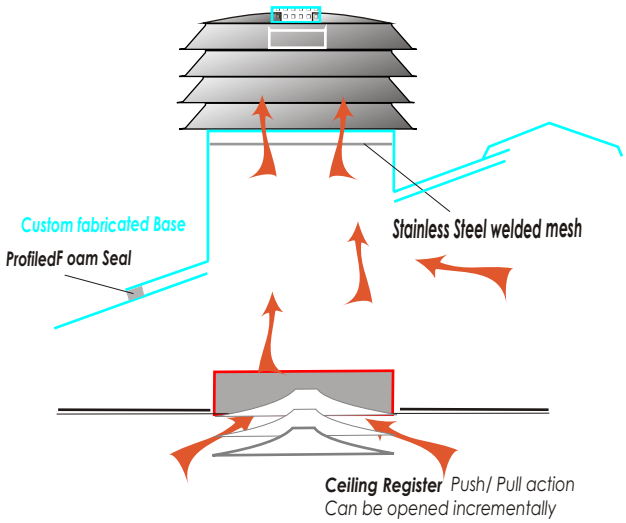


Heat exits rooms via ceiling registers into roof area and out Condor Roof Ventilator



Ceiling registers are manually opened using a claw on the end of a suitable length of rod The push/pull mechanism, opens and closes on demand using rod and claw. This allows for efficient heat purging of during summer evenings and prevents heat loss during winter months.

All Condor products are architectural in nature in that they are supplied project specific.
Roof Ventilators are supplied as per roof type, pitch and profile enabling correct and efficient installation

The Condor Kinetic Roof Ventilator is the most efficient natural roof ventilator in the world today.