

Mechanical Ventilation

with heat recovery

envirosave
renewable energy products

How Mechanical Ventilation with Heat Recovery works

Warm moist air is extracted from wet areas, such as bathrooms, utility rooms and kitchens. This air is then passed through a heat exchanger to recover heat prior to being exhausted to the outside. At the same time fresh air is preheated using the heat exchanger and distributed to the living areas, thereby reducing the heating requirement.

Reasons why adequate ventilation is required in all houses

- To provide fresh filtered air for all inhabitants
- To provide air for combustion appliances
- To remove stale air, odours and other pollutants

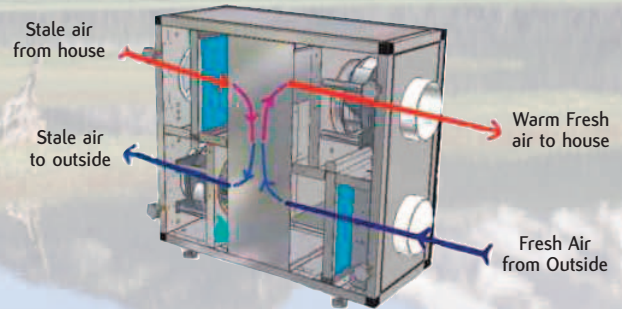
Daytona 250/350

The Daytona is the newest and most advanced ventilation unit in our range. The innovative design makes it one of the most user friendly units on the market today. The position of the nozzles can be easily changed from a vertical to a horizontal position which helps in the installation process. The structure of the Daytona allows for high efficiency and easy access to the maintenance section (filters + heat exchanger).

Electronic Control

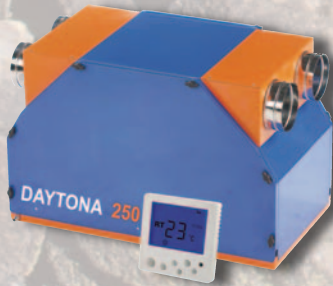
- Program the work of the HRV over a weekly period
- Built in Room thermometer
- Backlit with blue light

Auto mode where the day is divided into four time periods with a different level of air flow for each. The air flow is set for the required period of time.



Economic 120/120 II

These ventilation units are equipped with a counter current heat-recovery system. The unit is characterized by its high efficiency and relatively small dimensions. The Economic 120 II is equipped with a heating element. This element is thermostatically controlled and further heats the fresh air after the heat exchange takes place.



Technical Data

	Daytona 250	Daytona 350	Economic120/120 II
Air Flow(150Pa)	250m ³ /h	350m ³ /h	220m ³ /h
Static pressure	0-320 Pa	0-550 Pa	0-300 Pa
Power voltage	Max 120 W	Max 120 W	Max 120 W
Efficiency of Heat Recovery	95%	95%	80%
Power Supply	230 VAC/50Hz	48VDC	230 VAC/50Hz
Rotation speed of Motor	2500/Minute	2930/Minute	2330/Minute
Acoustic Pressure	<50dB(A)1m	<52dB(A)/1m	50dB(A)/1m
Motor Protection rated	IP44	IP44	IP44
Weight	38.5kg	38.5kg	42.5kg
Dimensions	915 x 580x 530mm	915 x 580 x 530mm	680 x 790 x 370mm



Radiators have just Evolved....

The Evolution is smaller, more energy efficient and more powerful than anything on the market. The Evolution will change the way people heat their homes.

The Evolution offers the user a level of control that has never been available before. You can now control the temperature of the unit and the time it takes to heat the room. With simple controls and intelligent software the Evolution will continually sample both the air temperature and the water temperature.

The Evolution will only heat the space to the required temperature and therefore saving energy by not over heating the room.

What Primary Sources of Heat can I use the Evolution with?

The Evolution range can be used in conjunction with ALL water based heating systems. Heat sources such as Heat Pumps work with the Evolution Range because of the ability of the Evolution to produce heat at Low water Temperatures down as far as 32°C. At this temperature the Evolution will still provide up to 2kW or 6,800BTU

Pellet, Oil, and Gas boilers can achieve very high temperatures in excess of 80°C, at such temperatures the Evolution will provide a great deal of heat, up to 7.5kW or 25,500BTU

What separates the Evolution from all other space heaters?

The technology on board the Evolution is Revolutionary. For years other companies have tried to create similar controls and failed. One of the many advances the Evolution range has made is to provide a wireless link between not only different units but also to the primary heat source. Using the wireless card in each unit the Evolution feeds back information to the wireless control unit which then informs the Primary Source of heat that all heating requirements have been fulfilled and it can shut down. This SAVES on Oil, Gas, Pellets or Electricity.

The wireless technology is not only used to talk to a main control center. It can be used in conjunction with your PC to monitor and change the temperature of various rooms within your house.

The Evolution range is truly the next generation in space heating.

ENVIROSAVE "SAVING THE ENVIRONMENT WHILE SAVING YOU MONEY"

Technical Data

	Width		Height		Depth	
Evolution	540mm		390mm		110mm	
Evolution 2	880mm		390mm		110mm	
Evolution Kick Space	850mm		110mm		360mm	
Evolution						
Flow Temperature	85°C	75°C	65°C	55°C	45°C	35°C
BTU	13136	11123	9178	7233	5288	3377
kW	3.85	3.26	2.69	2.12	1.55	.99
Air Flow	250m ³	250m ³	250m ³	250m ³	250m ³	250m ³
Evolution 2						
Flow Temperature	85°C	75°C	65°C	55°C	45°C	35°C
BTU	25555	21734	17913	14160	10372	6653
kW	7.49	6.37	5.25	4.15	3.04	1.95
Air Flow	500m ³	500m ³	500m ³	500m ³	500m ³	500m ³
Evolution Kick Space						
Flow Temperature	85°C	75°C	65°C	55°C	45°C	35°C
BTU	13136	11123	9178	7233	5288	3377
kW	3.85	3.26	2.69	2.12	1.55	.99
Air Flow	250m ³	250m ³	250m ³	250m ³	250m ³	250m ³