



**Heat Recovery  
Ventilation System**

**SEVi 160**

The system that operates without ducts

*innovative... sustainable... energy-saving...*

# The SEVi160 hrv system

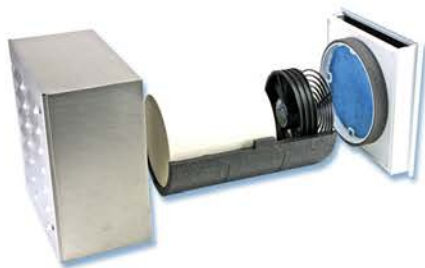


## SEVi 160

The SEVi160 hrv system is one of the smallest decentralized ventilation systems with heat recovery and is almost invisible because its technology is hidden in the wall. With an external sound insulation of up to 49 dB, the variant SEVi160 plus belongs to the category of sound insulated ventilators.

## SEVi 160 soffit

SEVi160 soffit - Is designed for fitting into soffits  
The SEVi160 soffit has a special outer unit which when installed is almost concealed in the soffit. The air output value of the system is similar to the standard SEVi160 unit.



## SEVi 160 light

SEVi160 light – Is designed for slim walls down to 150mm in thickness. Fresh air for thin external walls from 150mm thickness is guaranteed with the SEVi160 light. The special weather cover for the outdoors guarantees the same performance and interior view as the standard SEVi 160 unit.

## SEVi 160 duo

SEVi 160 duo – The complete hrv unit is used to ventilate single rooms  
The single ventilation system consists of two ventilation units and can be used to ventilate kitchens, bathrooms and any single rooms.



## SEVi 160 internal

SEVi 160 internal – Is for internal rooms. The SEVi 160 internal provides the connection to rooms, which are located inside of a building and have no external wall.

## SEVi 160 base

SEVi 160 base – Is for basements.  
The basement ventilation system SEVi 160 base provides the necessary air exchange when the external wall is below ground.



# Sevi HRV systems ensure comfort and healthy air in the house.



## Good Insulation and Fresh Air

There will always be fresh air throughout the house - even with the windows closed. The maximum sound insulation protects against disturbing ambient noise.



## Prevention of Mold

Through an optimal exchange between fresh air from outside and moist inside air humidity damage is avoided and thus protects the health of residents and the state of the building.



## High Energy Efficiency

The extremely high level of heat recovery is achieved through the special ceramic heat buffer used. Compared to conventional ventilation by opening windows, there is much more heating energy saved.



## Reduces Pollen and Dust

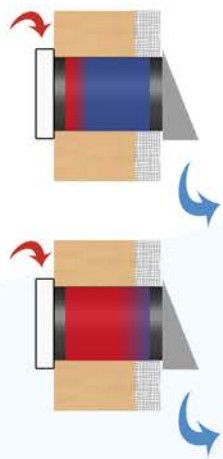
Integrated dust filter ensures clean and fresh air. If desired, pollen filter and active-air-filter increase the comfort of the ventilation system.



## Individual Areas of Application

The variety of unit types allows use in almost all buildings, regardless of whether these are residential buildings, offices, commercial buildings and public facilities such as schools, training center or similar.

## How does the built-in heat buffer works?



### Exhaust Mode

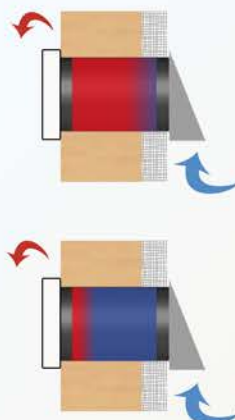
Consumed, warm ambient air is drawn over the inner panel in the ventilation unit and discharged through the heat buffer to the outside. The heat buffer is charged with heat energy from the warm indoor air.

The fan inside of the unit changes its rotation direction after roughly 70 seconds and switches to the supply air mode.

### Supply Air Mode

Fresh outside air passes the unit through the heat buffer inside. The available energy of the heat buffer is released to the fresh air in order to heat it.

Thus new, unused and pre-heated air is entering the building until the fan changes after another 70 seconds into the exhaust mode again.

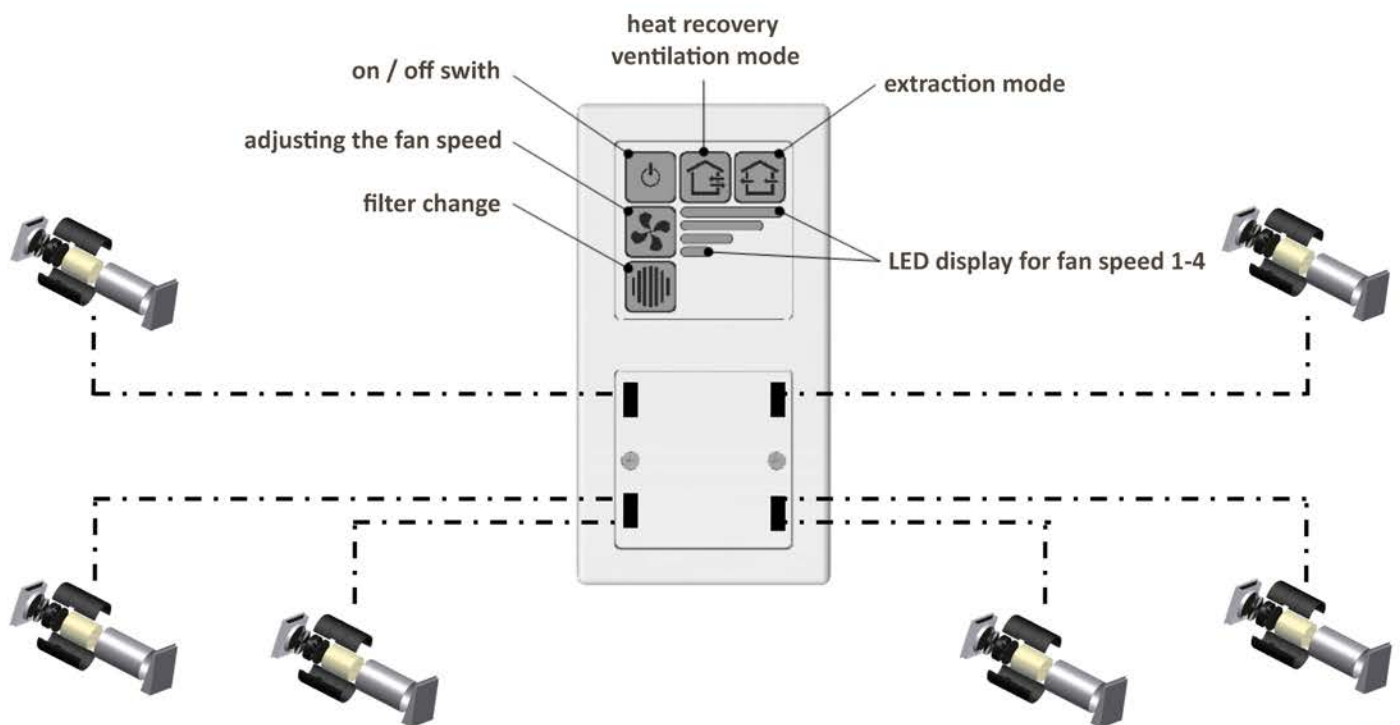


# Specifications

Heat Recovery Rate (confirmed by DiBt):	up to 90%
Air flow rate in the heat recovery mode:	17m <sup>3</sup> /h ; 21m <sup>3</sup> /h ; 29m <sup>3</sup> /h ; 41-45m <sup>3</sup> /h
Air flow rate in the extraction mode:	up to 90m <sup>3</sup> /h
Power consumption in the heat recovery mode:	between 0.2W (/m <sup>3</sup> /h) and 0.25W (/m <sup>3</sup> /h)
Surface sound pressure level:	~16.5 dB on 16m <sup>3</sup> /h
Standard sound level difference:	up to 42 dB for SEVi 160 up to 49 dB for SEVi 160 plus
Filter:	Dust filter (G3), optional pollen filter or active-air-filter
Tube diameter:	160mm
Recommended core hole diameter:	165-190mm

Please feel free to contact us for more details or information.

a brief schematic illustration of our SEVi control unit



SEVentilation GmbH  
Ernst-Thälmann-Str. 12  
07768 Kahla  
Germany

[www.seventilation.de](http://www.seventilation.de)

Subject to technical changes. All information and illustrations are non-binding. Copyright by SEVentilation GmbH.

The manufacturer is responsible for the technical data and records. Technical data updated on 05/05/2014.