

Comfosystems
Zehnder ComfoFond-L
The system solution for a perfect indoor climate

zehnder

always
around you

Heating

Cooling

Fresh Air

Clean Air



Zehnder ComfoFond-L geothermal heat exchanger.

The Zehnder ComfoFond-L ground source heat exchanger uses the earth as a renewable energy source to reduce a dwellings energy requirement. Used in conjunction with Zehnder ComfoAir heat recovery units, the Zehnder ComfoFond-L is designed to supply a low energy method of providing tempered or cooled supply air to your home. It uses a brine filled ground loop which is cooled by the temperature of the earth relative to the air during summer months and tempered relative to the temperature of the air during winter months. This augments the optimum comfort of the supply air to the dwelling, offering some cooling in summer and tempering in winter providing balanced ventilation, even when the temperature falls below zero.

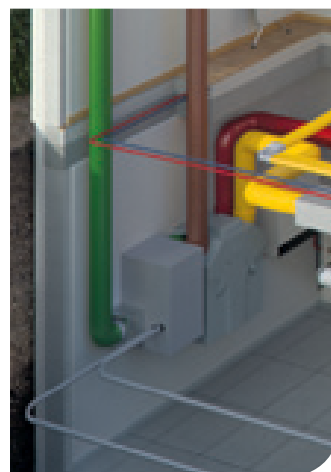
1 Comfort

- Continuous fresh air supply
- Tempered outside air in winter, cooled outside air in summer
- Frost-free permanent operation, even at external temperatures of less than -5°C



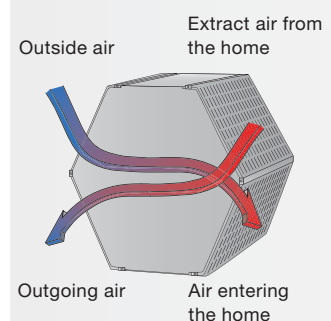
2 Flexibility

- Space-saving, adaptable system
- Short pipe trenches thanks to parallel pipe installation
- Ideal for use in high-water table



3 Energy efficiency

- Utilisation of renewable energy from the ground
- Frost-free heat exchanger maintains heat output



4 Service and maintenance

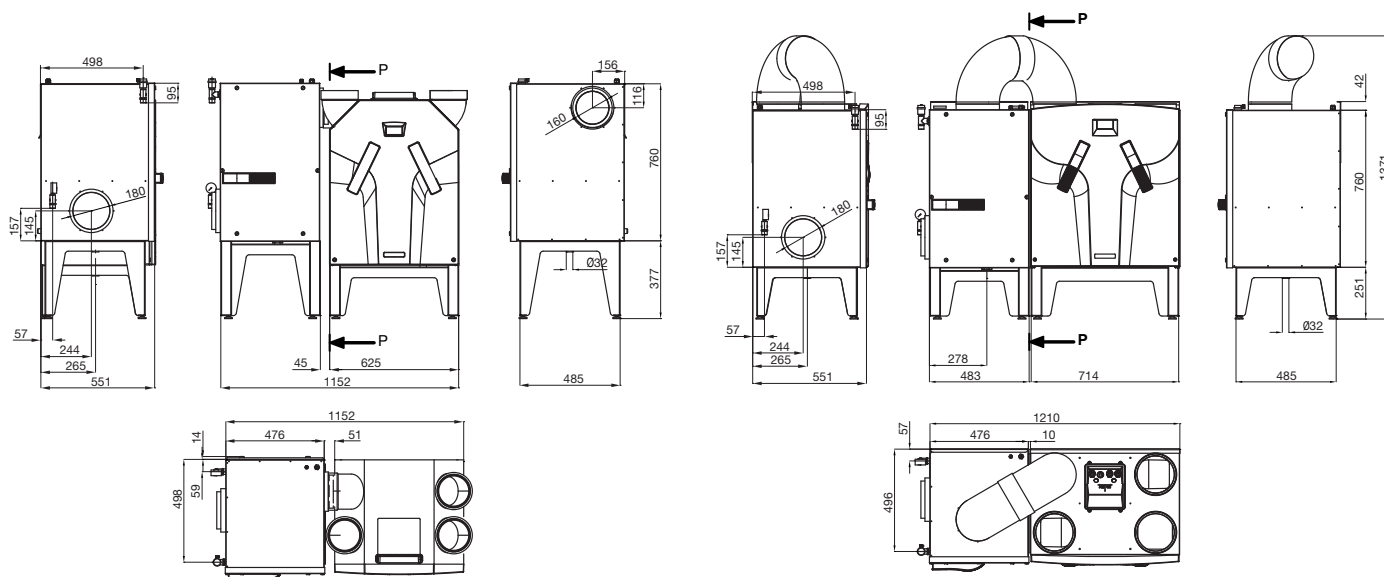
- Automatic operation thanks to its integrated temperature sensor
- Same filter as Zehnder ComfoAir
- Low maintenance
- Easy access for maintenance and service



Dimensions

Zehnder ComfoFond-L 350

Zehnder ComfoFond-L 550



Benefits

■ Space-saving

The new Zehnder ComfoFond-L is narrower than the old Zehnder ComfoFond-L.

■ The filter for the Zehnder ComfoFond-L is the same filter as the filter of the Zehnder ComfoAir Luxe.

■ Low maintenance.

The system is low maintenance and all serviceable parts are easily accessible.

■ Low air resistance

The Zehnder ComfoFond-L 350 unit has an air resistance at 350 m³/h of 26 Pascal.

The Zehnder ComfoFond-L 550 unit has an air resistance at 550 m³/h of 45 Pascal.

■ Pressure gauge mounted outside the unit.

The pressure gauge is mounted outside the Zehnder ComfoFond-L unit, therefore liquid pressure is easily visible.

■ 3/4" conical external liquid connection

This is a common connection, used worldwide.

■ High heat exchanger capacity

The pre heating capacity of the Zehnder ComfoFond-L 350 unit is 1800 W and the pre heating capacity of the Zehnder ComfoFond-L 550 unit is 2500 W.

The pre cooling capacity of the Zehnder ComfoFond-L 350 unit is 2000 W and the pre cooling capacity of the Zehnder ComfoFond-L 550 unit is 3000 W.

The used heat exchanger has about 50% more capacity than the old Zehnder ComfoFond-L unit and the Zehnder ComfoFond-L solution from the competitors.

■ As part of the Comfosystems range, there are a number of additional products which can be used alongside the Zehnder ComfoFond-L to further augment and improve the benefits of the installation - design and supply from one manufacturer ensures compatibility and ease of integration.

Designation	Part number
Zehnder ComfoFond-L 350R	471 310 012
Zehnder ComfoFond-L 350L	471 310 017
Zehnder ComfoFond-L 550R	471 310 022
Zehnder ComfoFond-L 550L	471 310 027
Support frame Zehnder ComfoFond-L 350	642 300 161
Support frame Zehnder ComfoFond-L 550	642 300 166

