

# ComfoFond-L Q

## User Manual

### ! ? Questions

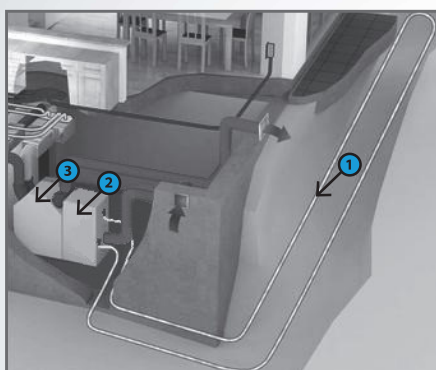
Please contact your local Zehnder representative if you have any questions or would like to order a new document, filters or spare parts, as specified in the Installer manual. The contact details of your Zehnder representative can be found on the final page of this document.

### What is this unit for?

The ComfoFond-L Q is a fluid-driven ground-source heat exchanger (also known as a subsoil heat exchanger) which uses ground heat to preheat or cool outdoor air as required before it is supplied to the dwelling.

### Operating principles

The system comprises a number of components, including a ComfoAir Q heat recovery unit, a ComfoFond-L Q and ducting. These devices are controlled using the ComfoAir Q operating panel.



1. Brine loop pipework.
2. ComfoFond-L Q.
3. ComfoAir Q.

Brine loop pipes are laid in the ground and connected to the dwelling. In the winter the cold outdoor air is preheated, ensuring the ventilation system continues to operate effectively even at low temperatures. In the summer the warm outdoor air is pre-cooled. The ComfoFond-L Q is specially developed to operate in combination with a Zehnder ventilation system of type ComfoAir Q with Option Box.

### Operation

The ComfoFond-L Q is controlled by the ComfoAir Q to which it is connected. This works entirely automated based on the set temperature profile of the ComfoAir Q.




### Maintenance

The ComfoFond-L Q should be inspected and cleaned annually by a specialist. To ensure a hassle-free lifespan for your ComfoFond-L Q, we recommend you to take out a service agreement with a specialist company.

### Safety instructions

- The unit may only be used when it is properly installed according to the instructions and guidelines in the installer manual of the unit.
- Do not open the casing. The installer makes sure that all components that can cause personal injury are safely contained within the casing.
- The unit can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the unit in a safe way and understand the hazards involved.
- Children shall not play with the unit.
- Cleaning and user maintenance shall not be carried out by children without supervision.

The following pictograms are used in this document:

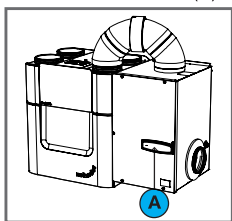
Symbol	Meaning
	Point of attention.
	Risk of compromised performance or damage to the ventilation system.
	Risk of personal injury.

### Filter

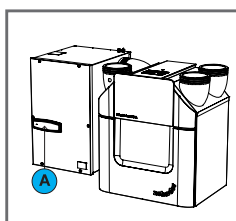
The replacement period of the filter depends on local circumstances. We recommend replacing the filter when replacing the ComfoAir Q filters.

 **Replace the filter (at least) once every six months.**

1. Disconnect the power to the Option Box and the ComfoAir Q.
2. Remove the handle (A) from the ComfoFond-L Q.

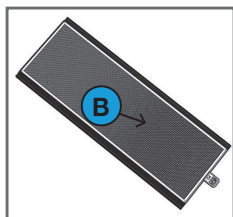


ComfoFond-L Q ST




ComfoFond-L Q TR

3. Remove the old filter (B) from the ComfoFond-L Q.



4. Slide the new filter back into the ComfoFond-L Q.
5. Click the handle (A) in the ComfoFond-L Q.
6. Return power to the Option Box and the ComfoAir Q.

 **Filters must be replaced with the original manufacturer's filters only. These can be ordered from the supplier of the ComfoFond-L Q.**

### Pressure meter

Inspect the pressure in the ComfoFond-L Q at least once a year. Contact the fitter if the pressure is below 0.5 bar or above 2.5 bar. Note the indicated pressure.



 **The pressure can vary over time due to temperature changes in the subsoil. The ideal pressure is 1.5 bar.**