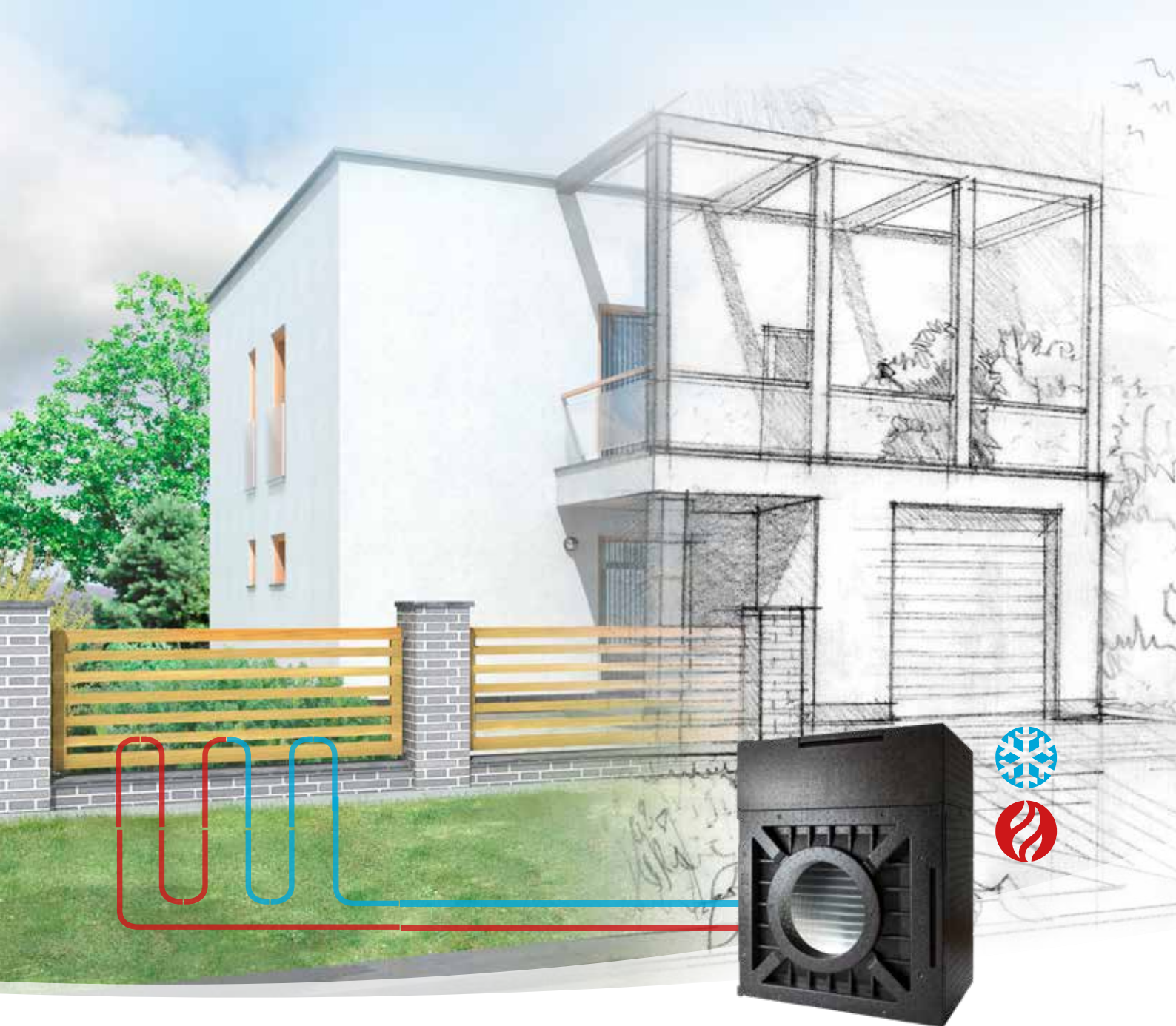


GEO Geothermal Heat Exchanger

Saving resources by using natural Energy



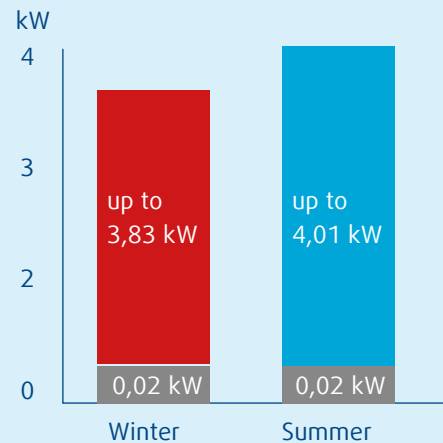


How it works

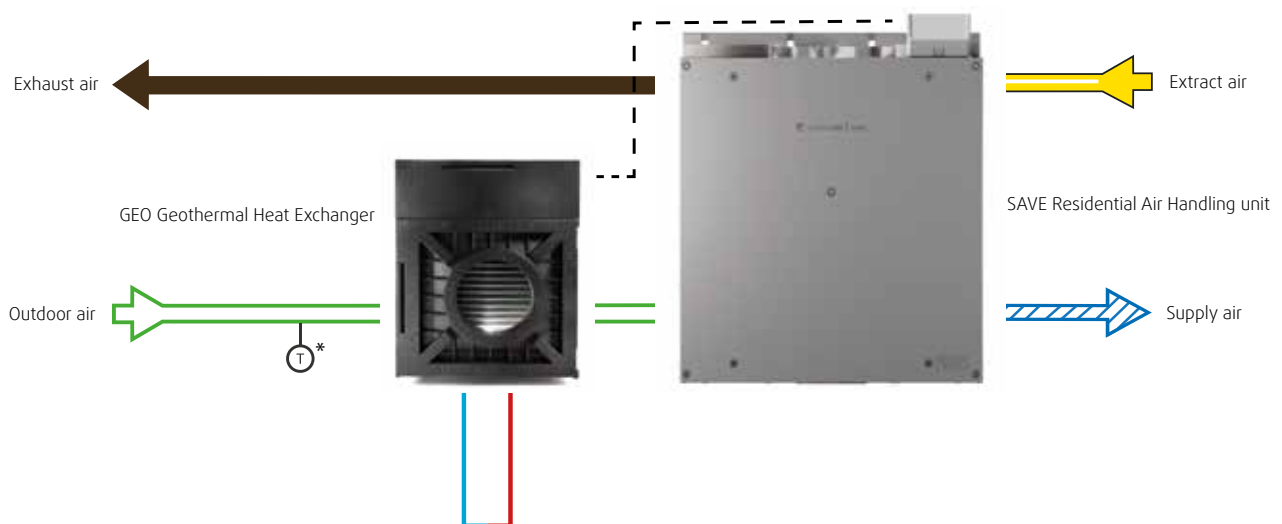
The GEO Geothermal Heat Exchanger can be used for preheating and cooling. In winter, it can take the 7°C from the surrounding earth to preheat the cold outside air. In summer the case can be reversed and the 7°C can be used to cool down the incoming hot air. Since the respective temperatures are obtained directly from the surrounding earth, optimal energy efficiency can be ensured. The housing of the Unit is made of expanded polypropylene (EPP).

Use the Earth's natural Energy

Since the GEO Heat Exchanger uses the Energy from the Surrounding Earth it can produce very high **Heat** or **Cooling** output with minimal Energy consumption.



Scheme



Technical data

	GEO 300	GEO 500
Item-no.	382300	382500
Dimension (W x H x D)	590 x 390 x 720 mm	590 x 390 x 720 mm
Installation options	right, left	right, left
Voltage / frequency	230 V / 50 Hz	230 V / 50 Hz
Pipe connection	DN 32	DN 32
Condensate connection	DN 40	DN 40
Ventilation connection Ø	250 mm	250 mm
Operating temperature	-22 °C till 60 °C	-22 °C till 60 °C
Energy consumption	20W	20 W
Max. Heat output	2,48 kW	3,83 kW
Max. Cooling output	2,62 kW	4,01 kW
Max. Air Flow	300 m³/h	500 m³/h

All and more!

With the GEO Heat Exchanger, you get the all in one Package. It already includes a pump to get the brine liquid through the Pipe system. A cable, which is already connected to the GEO, establishes the connections between the GEO and the SAVE Air Handling Unit.

With the Help of our SAVE Control the Geo can be operated easily. To round it all up it also comes with an integrated Filter Coarse 70% (G4) and a temperature sensor.

Accessories

GEO PE pipe DN 32mm



The GEO PE Pipe gets embedded in the surrounding earth of the property and is used to transport the brine liquid. It should be placed about 1,5-2m deep into the earth. Both endings of the Pipe should go into the House to connect them to the GEO.

	Item no.
GEO PE Pipe, ND 12,5, ND 32, 100 m/Roll	304981

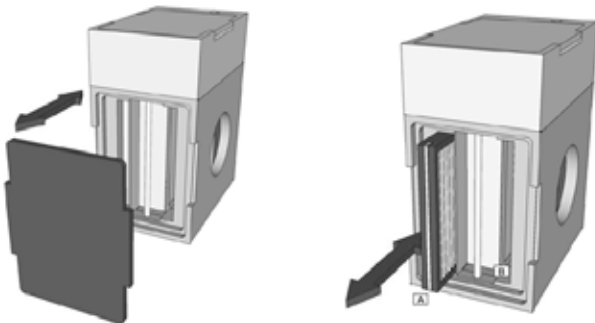
GEO Etyhynglycol



Brine Liquid based on monethylenglycol (MEG) and corrosion protection additives. For protection of Frost and Corrosion in the System. It is a ready to use mixture, which consist of 50% water and 50% glycol. Because of that the Brine Liquide can be filled into the System and is ready for use without any additional steps. In a standard Pipe System with 100m DN32, approximately 87 liters of the mixture are required.

	Item no.
Etyhynglycol till -33 °C, ready-mixture (50 %), 30 L	277090

The Filter can be placed at Pos. A or B. Therefore the GEO can be flexiblily used as either right or left version.





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