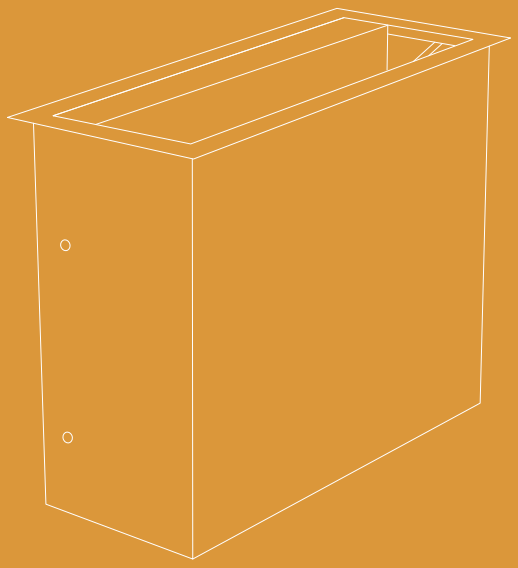
VINORAGE™



VINORAGE WINE CELLAR WITH ELEVATION INSTALLATION GUIDE

Please read the entire manual before starting work!

The pictures in this manual show the wine cellar for 100 bottles, however, the installation process is identical for all elevation cellars.

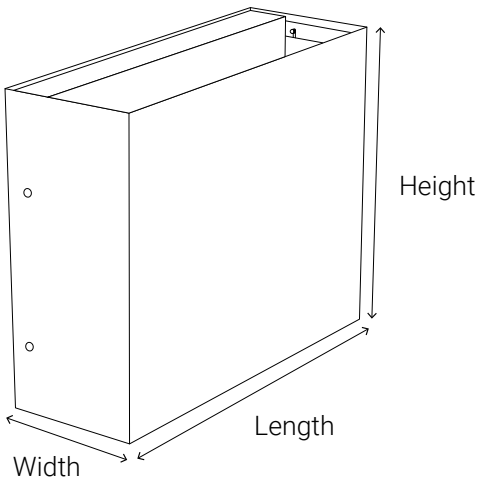
A Vinorage wine cellar should be installed on a flat floor surface – either ground or basement level – so the wine cellar can utilize the temperature from the ground. Placing the wine cellar in the ground means that a constant optimal temperature can be maintained. This technique is called passive cooling. In addition, choose a location with the option to run ventilation hoses all the way to the outer wall so that the air in the cellar can circulate.

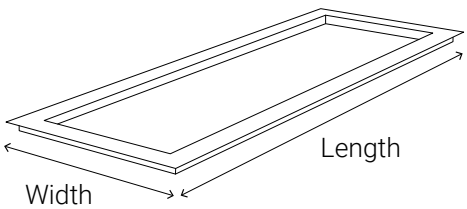
WINE CELLAR DIMENSIONS

The following table contains the outer dimensions for the wine cellar with elevation for 200 bottles. These outer dimensions include ventilation connection and reinforcement.

The dimensions also serve as minimum requirements for excavation dimensions, but remember that a foundation may be laid under the wine cellar. In addition, an approx. 5 mm (±3 mm) margin between the cellar and finished floor level is required (see steps 3 and 7).

	Wine cellar outer dimensions (mm)			**Door size (mm)**		**Weight (kg)**
	Length	Width	Height	Length	Width	
Wine cellar with elevation for 100 bottles	1650	670	1220	1530	600	250





1. BEFORE YOU START

Make sure that any underfloor heating pipes can have a distance of at least 40 cm from the outer dimensions of the wine cellar as underfloor heating can affect the temperature in the cellar. It is also recommended to avoid placing the wine cellar in a location with direct sun.

TWO OPTIONS
The wine cellar can be placed directly on the leveled sand/earth base, possibly with concrete tiles in each corner, or if the substrate is very moist, you can choose to pour a foundation.

If you choose to place the wine cellar on a sand/earth base, possibly with concrete tiles in each corner, continue to point **2A**

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If you choose to pour a foundation in case of very damp subsoil, proceed to step **2B**

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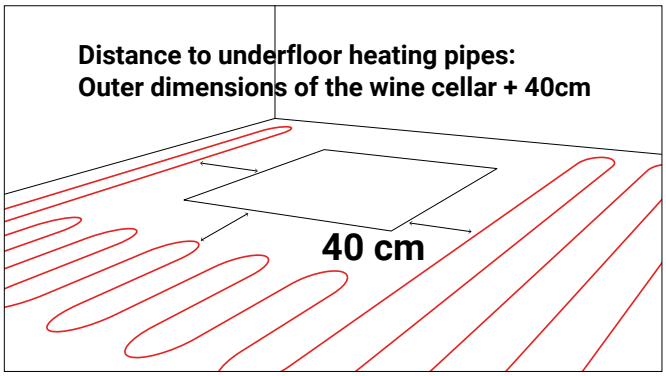
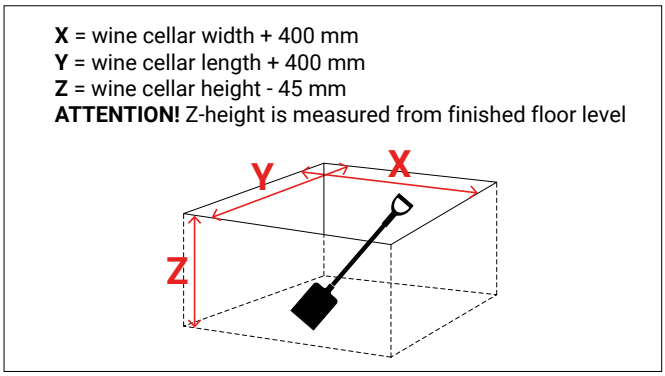
2A. EXCAVATE THE REQUIRED SPACE AND LEVEL THE SOIL/SAND

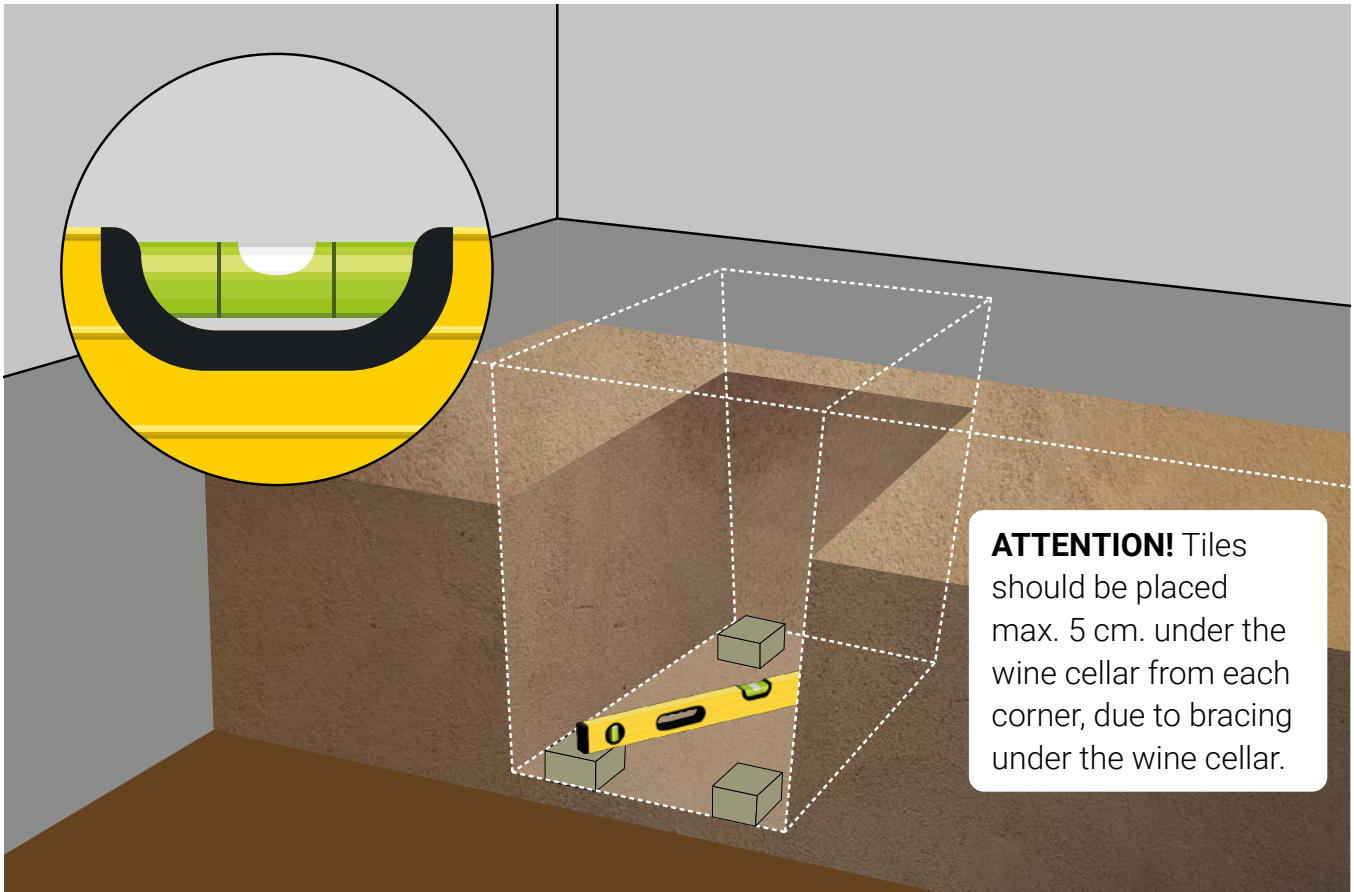
We recommend digging a hole 40 cm wider/longer than the width and length of the wine cellar so that there is about 20 cm of air all the way around the wine cellar. In addition, dig a trench for ventilation and electricity, depending on where it needs to go.





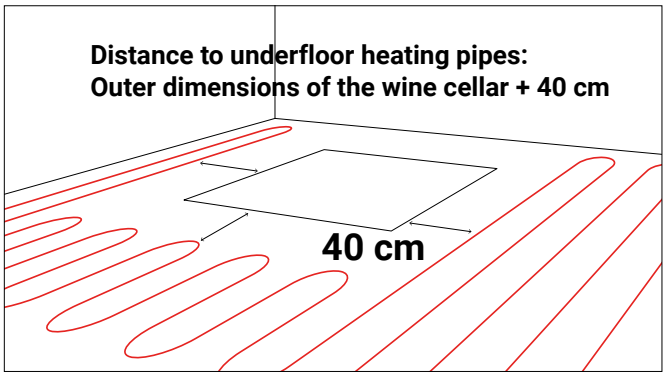
It is important to have the substrate leveled so that the wine cellar is level when it is installed. The wine cellar can be placed directly on the leveled sand/earth base or you can choose to place concrete tiles in each corner as they are easy to adjust during leveling.

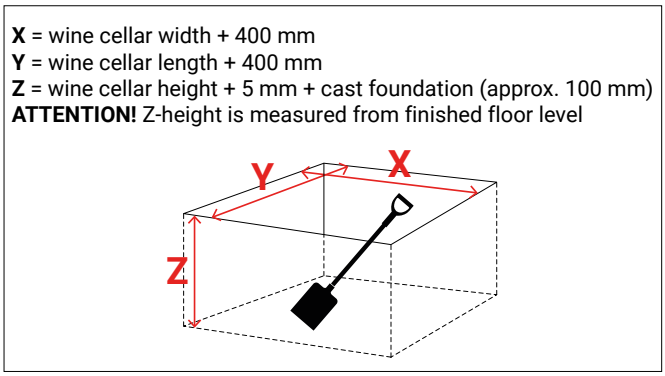
If the soil/sand under the basement has been loosened, it is important to tamp the soil thoroughly to prevent it from settling further. Level the soil/sand.



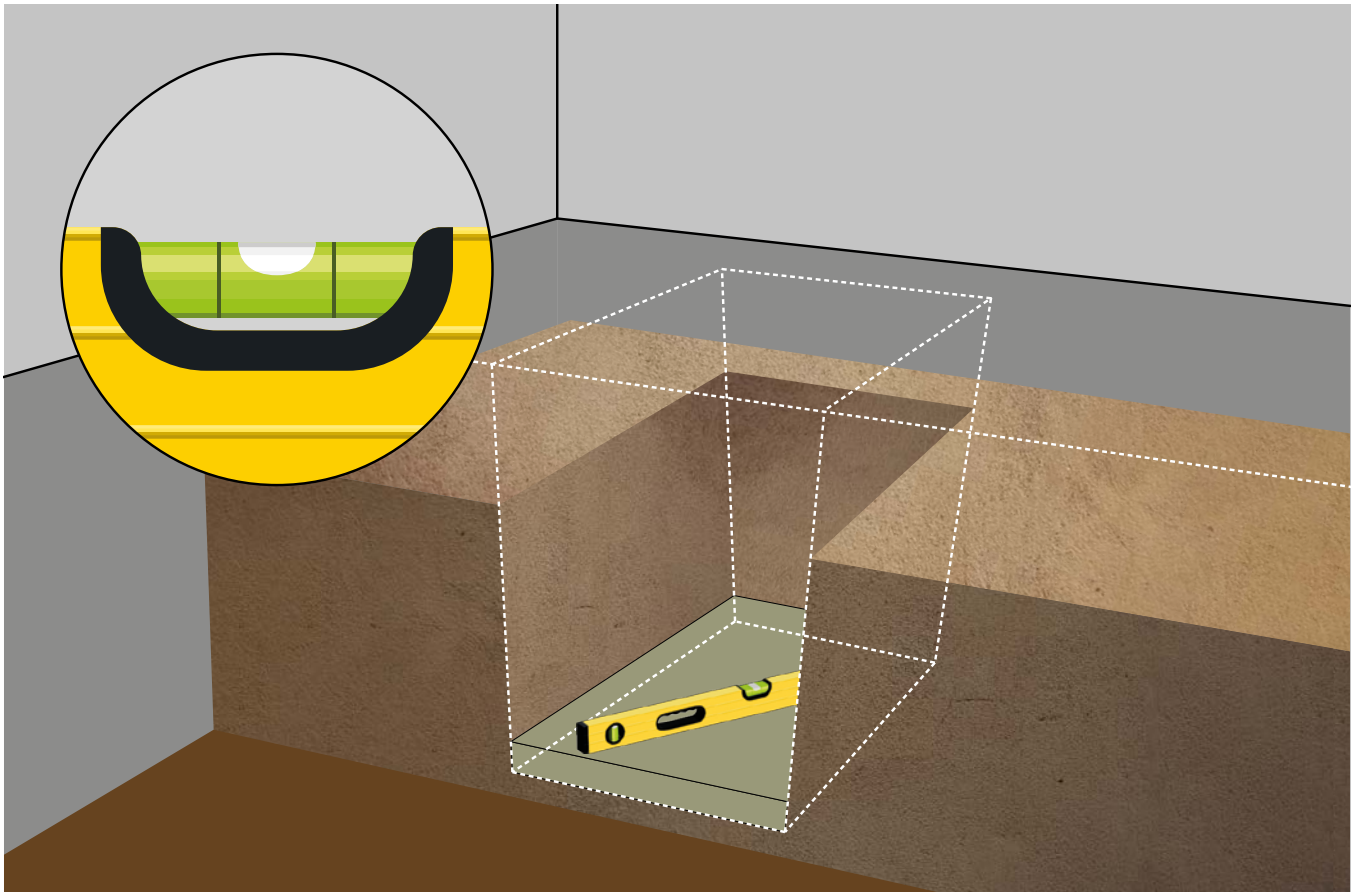
2B. EXCAVATE THE REQUIRED SPACE AND POUR THE FOUNDATION

We recommend digging a hole 40 cm wider/longer than the width and length of the wine cellar so that there is a 20 cm gap all the way around the wine cellar. In addition, dig a trench for ventilation and electricity, depending on where it needs to go.



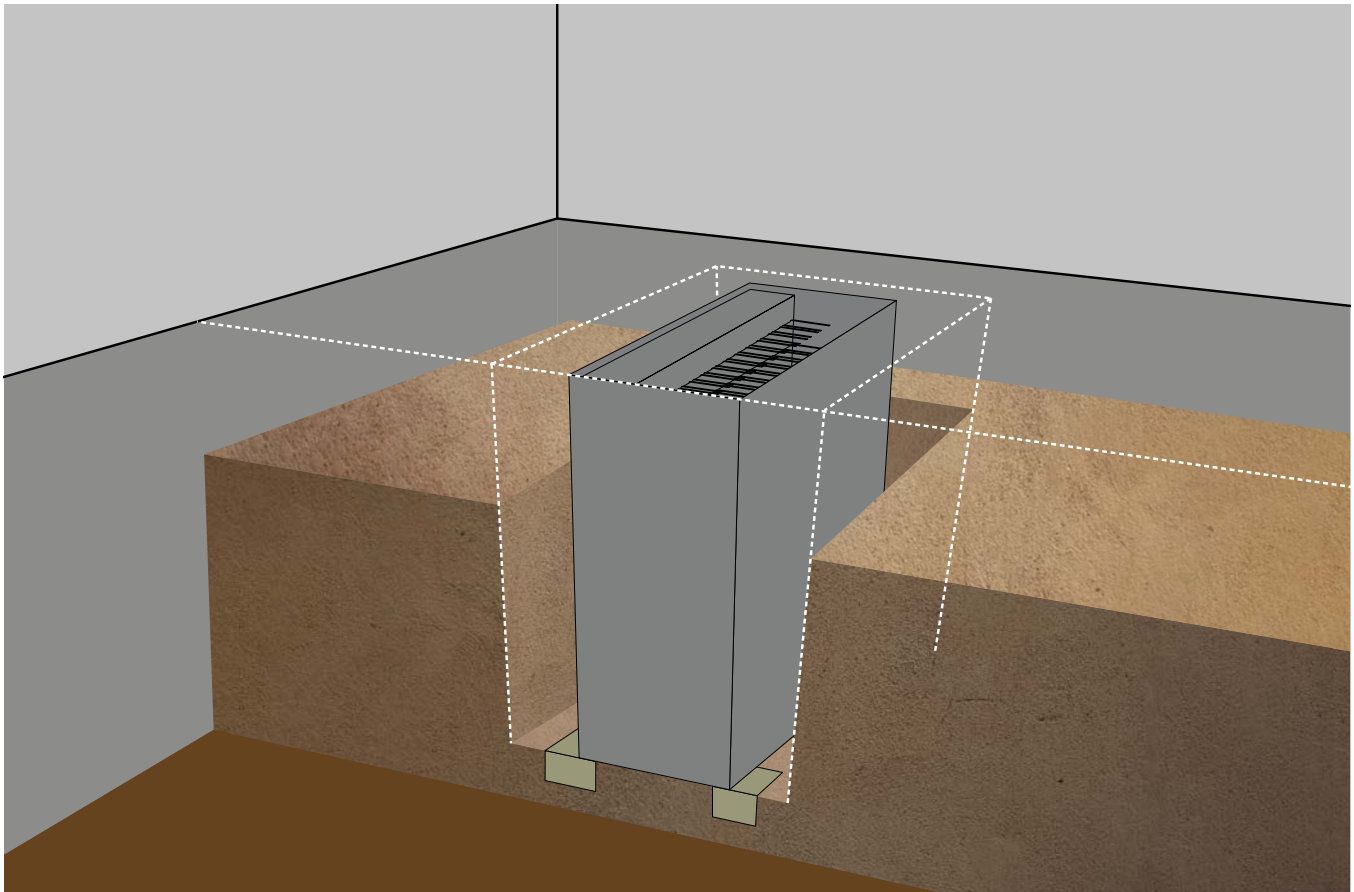


If the soil/sand under the foundation has been loosened, it is important to tamp the soil thoroughly to prevent it from settling further. Cast the foundation and check that the casting is level.



3. INSERTING THE WINE CELLAR

The wine cellar must be inserted so that it is approximately 5 mm (±3 mm) below the finished floor level **without** the glass door attached. The finished floor level is defined as the finished surface/ covering, such as a wooden floor or tiles (*see more details in step 7*).

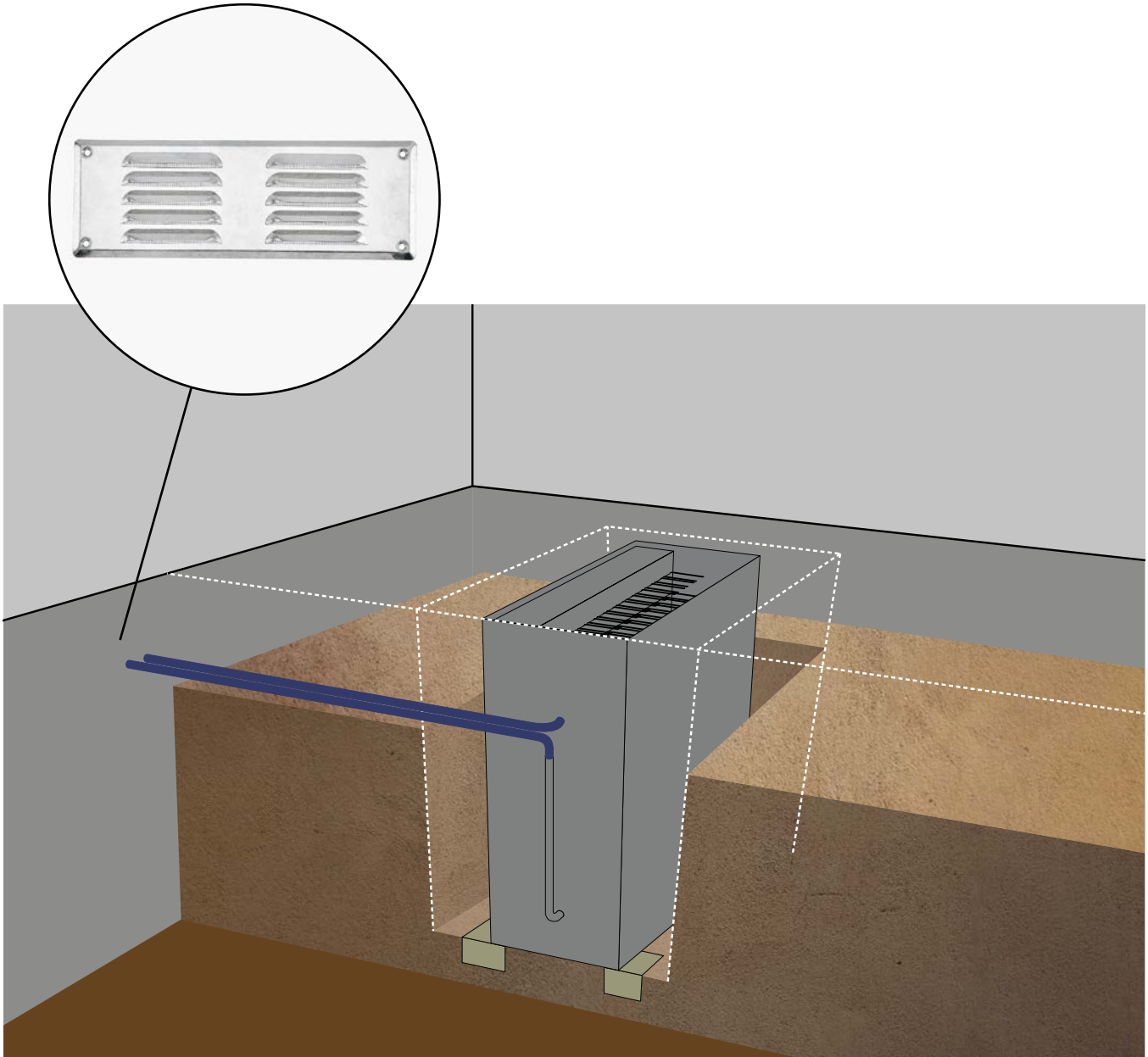


4. CONNECTING VENTILATION

All Vinorage wine cellars come with ventilation hoses. These need to be installed to achieve the best effect of the wine cellar.

The ventilation hoses are connected to the dedicated openings in the wine cellar and run all the way to an outer wall. Here they are attached and hidden behind the ventilation grill that comes with the wine cellar delivery.

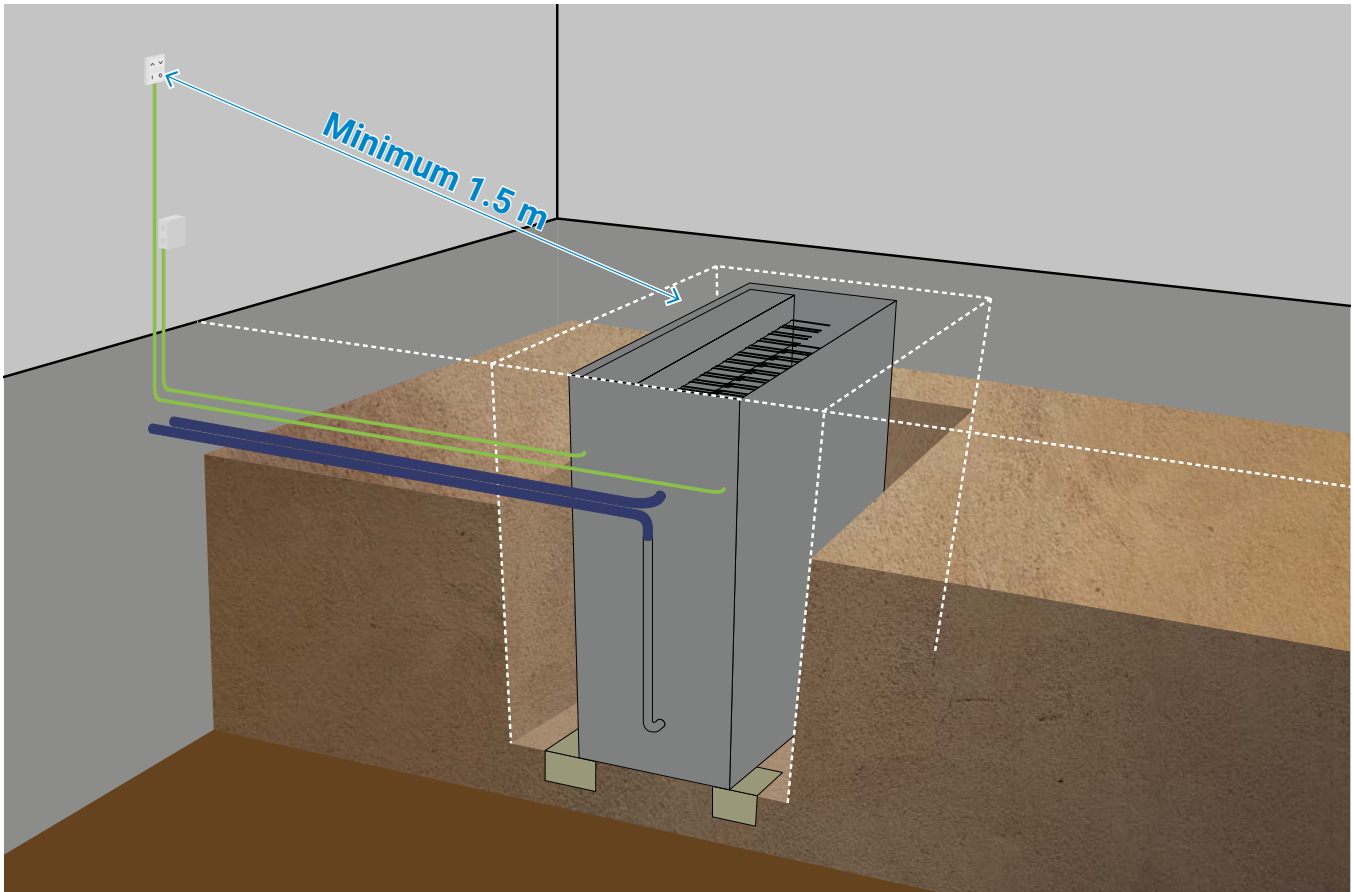
The purpose of the ventilation hoses is to ensure that the air in the wine cellar is constantly replaced. The wine cellar uses passive cooling and ventilation without using energy. It is therefore not a burden on the environment or the electricity bill.



5. CONNECTING THE POWER CABLE

An electrical cable that supplies power to the Vinorage cellar is also included. Power is used to raise the wine cellar and control the built-in LED lights.

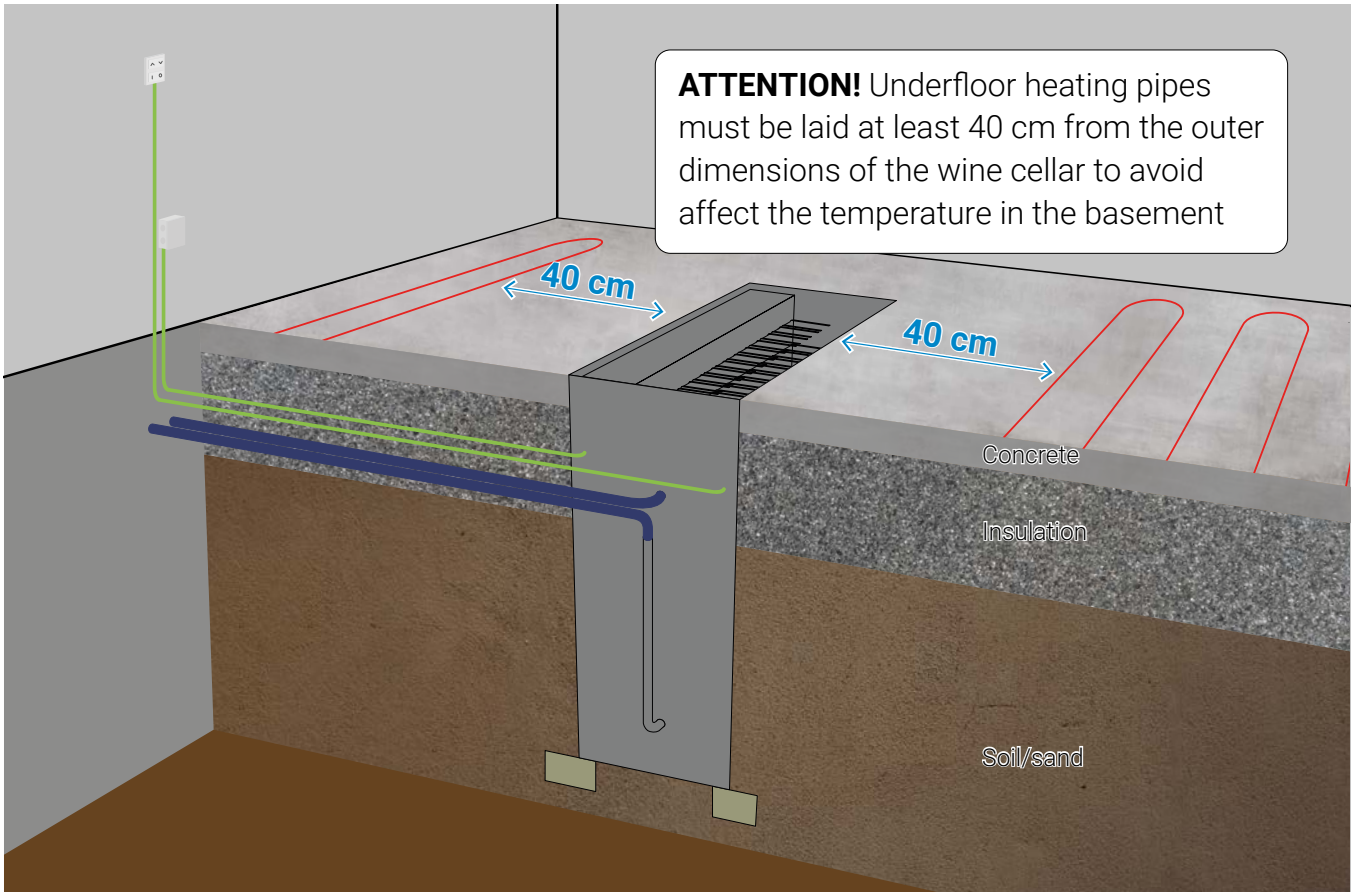
The power cable must be connected to the nearest 220V-240V power outlet and the wine cellar. The cable for the LED lights and for raising the wine cellar is routed to the wall and connected to a switch (FUGA low current) from which the cellar is to be operated. This switch must be located at least 1.5 meters from the wine cellar door (safety distance to the wine cellar).



6. FILLING THE CAVITY AROUND THE WINE CHAIN

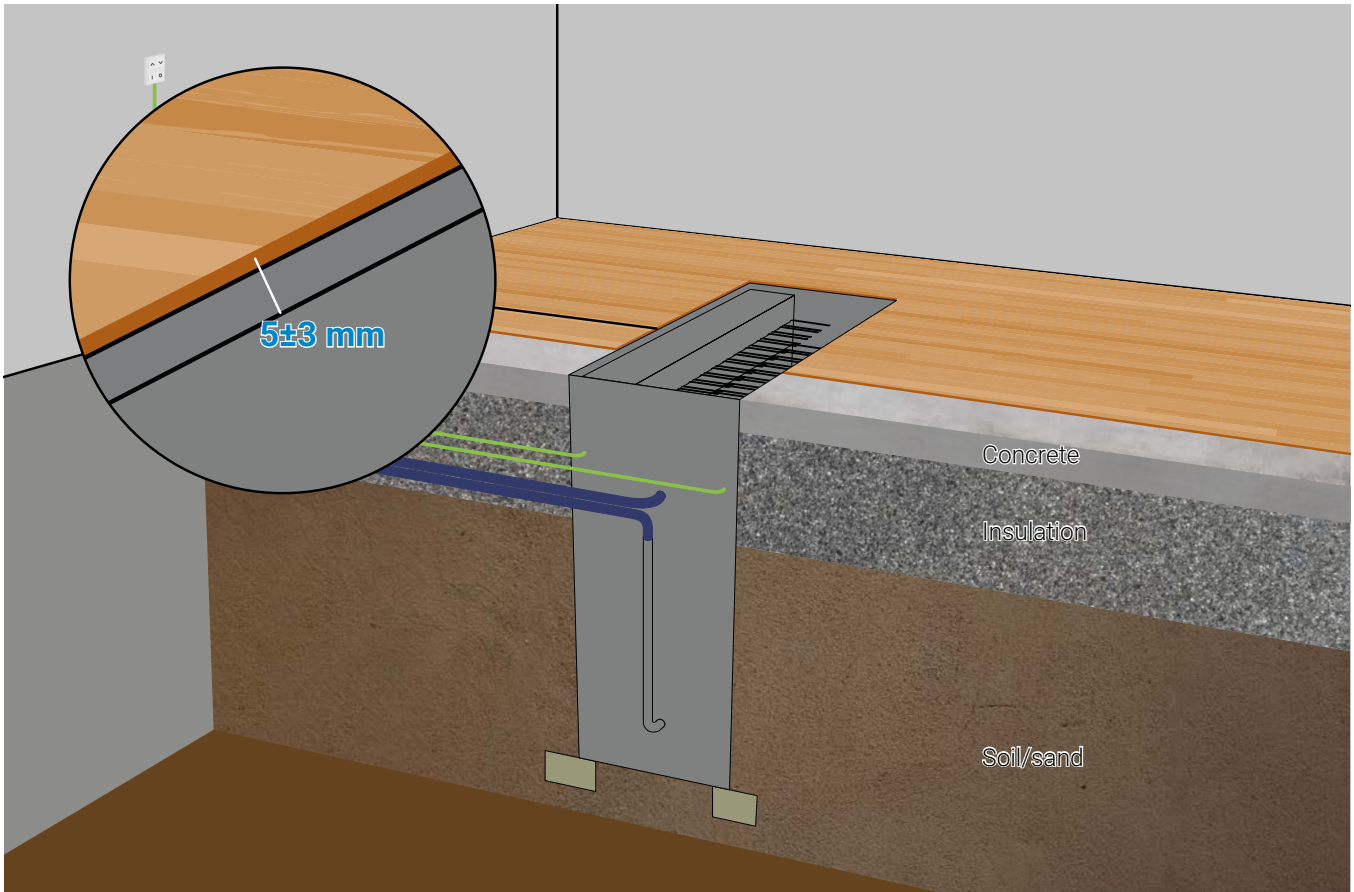
All the necessary elements of the wine cellar are now connected and the cellar is ready for filling around the cellar walls. The filling ensures that the wine cellar remains in a correct position.

A typical installation of a Vinorage wine cellar involves embedding the cellar in a layer of soil or sand. Once the soil/sand is filled in around the wine cellar, insulation material can be installed. This is followed by a concrete layer in which underfloor heating pipes can be laid (at least 400 mm from the wine cellar).



7. FLOORING AROUND THE WINE CELLAR

The wine cellar is now installed and all necessary installations are connected. A margin has previously been left (in step 3) for the floor height, where the cellar is approximately 5 mm (±3 mm) below the finished floor level. This ensures that the floor can be laid at the same level as your new Vinorage wine cellar. Once the desired floor has been laid, the glass door to the wine cellar can be installed.

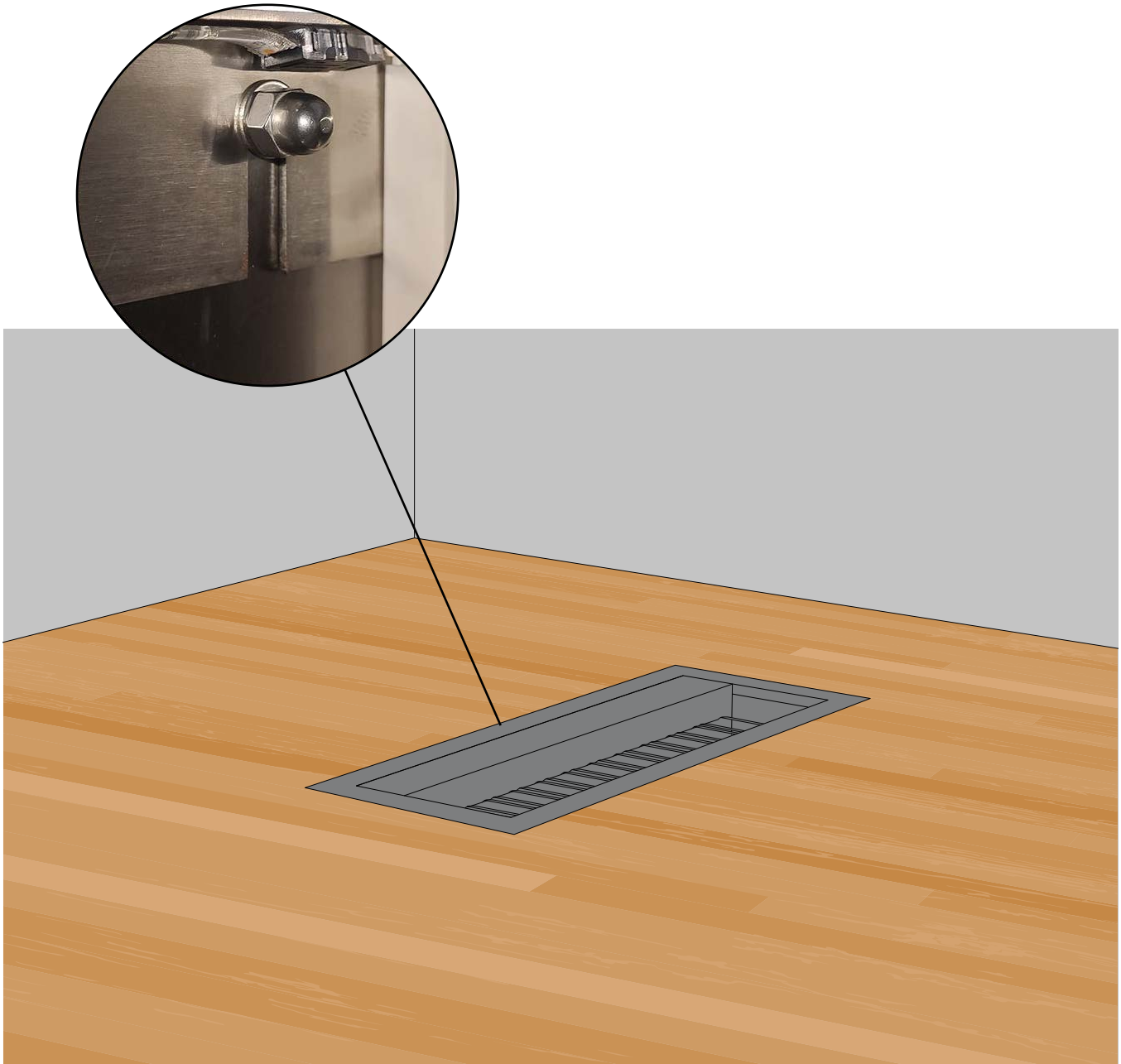


8. GLASS DOOR INSTALLATION

The door consists of a stainless steel frame that contains a floor glass that can support two adults. The glass is already mounted in the steel frame, making installation easy.

The height of the frame can be adjusted via long cut-out holes in the steel frame on which the glass door rests.

The glass door is mounted by raising the wine cellar slightly, placing the glass door on top and installing the 2 bolts provided.



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