

THERMOCOLD



# WINE ROOM

.....  
Norwegian quality

# The Dream of Wine Rooms

In almost 40 years Thermocold has been delivering cold rooms and climate units for wine cellars across Norway, to everything from private collectors, hotels and restaurants.

Over the years, Thermocold has developed a large sales network in Europe and even Australia thanks to its quality solutions. The solutions are many and the uses/desires are often different, which is why we have developed three types of wine rooms that are complete packages based on popular dimensions for private households, but also for the restaurant industry. If you desire other solutions or different dimensions, you can contact our many dealers or us directly for prices and sketches of your dream project.

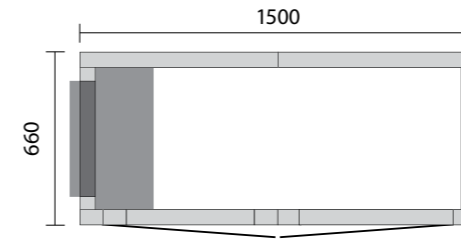
Wine rooms are being built everywhere. At home, they are often placed in basement living rooms, hallways, under the stairs, or in the garage. In the last 10 years, the cabin market has been a large customer group, with more and more people building wine rooms at their cabins - either as a stylish piece of furniture with a glass wall or more discreetly in the basement with only a hatch in the floor for access.

*Contact us for good tips and advice going forward.*



# Wine room 1

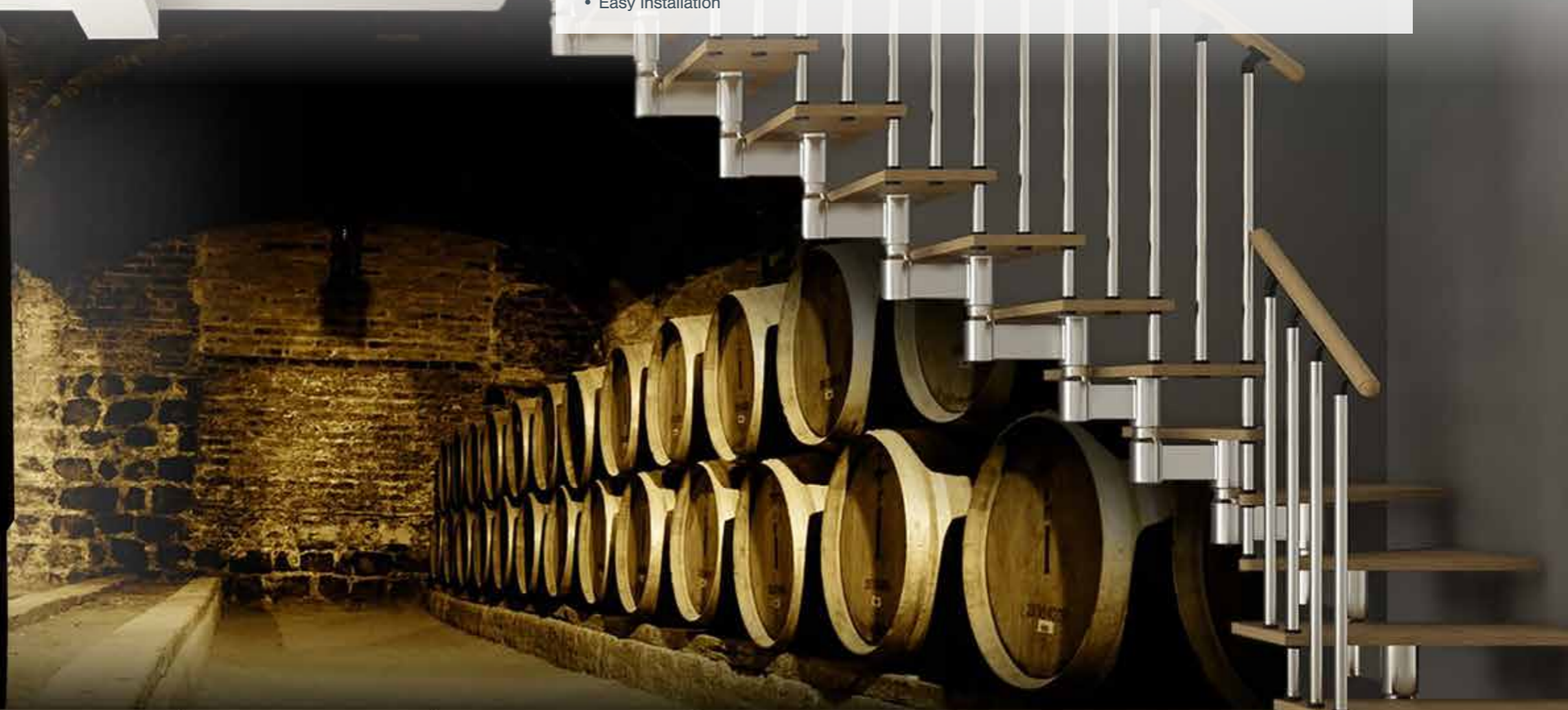
D660xW1500xH2108 with floor, EC10 Wine Cooler, and double glass door.  
Total width including air duct: 1550 mm



Standard wine rooms with ample space for wine storage, in collaboration with professionals, Thermocold has acquired the necessary knowledge to produce high-quality wine rooms.

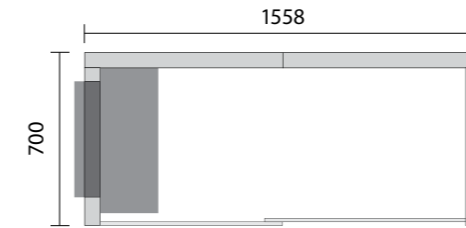
Lowest power consumption in the market

- Large interior room volume - 1547 liters
- Low noise level
- Space for 240+ bottles
- Bacteria-resistant walls, floor, and ceiling
- Easy maintenance with dust filter
- Highest cooling capacity
- Norwegian quality - solid and built for safe wine storage
- Easy installation



## Wine room 2

**D700xW1558xH2108 with floor, EC10 Wine Cooler, and sliding glass door.  
Total width including air duct: 1608 mm**



Standard wine room with ample space for wine storage. In collaboration with professionals, Thermocold has acquired the necessary knowledge to produce high-quality wine rooms.

Room for safe and proper wine storage.  
The room comes with EC10 VIN wine cooler. Wine racks and interior lighting are purchased separately.

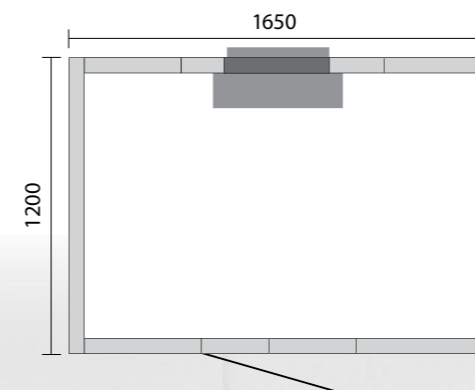
- Lowest power consumption in the market
- Large interior room volume - 1740 liters
  - Low noise level
  - Space for 240+ bottles
  - Bacteria-resistant walls, floor, and ceiling
  - Easy maintenance with dust filter
  - Highest cooling capacity
  - Norwegian quality - solid and built for safe wine storage
  - Easy installation





## Wine room 3

**D1200xW1650xH2108 with floor, EC10 Wine cooler and glass door.**  
**Total depth including air duct: 1250 mm**



Standard wine room with plenty of space for storing wine in collaboration with professionals has Thermocold acquired the necessary knowledge needed to produce high-quality rum wine. The room is supplied with an EC 10 VIN wine cooler. Wine shelves and interior lighting are purchased separately.

Lowest power consumption in the market

- Large interior volume - 3367 litres
- Low sound level
- Space for 480 bottles+
- Antibacterial walls, floors and ceilings
- Simple maintenance with dust filter
- Highest cooling capacity
- Norwegian quality, – solid and built for safe storage of wine
- Simple assembly



# “Tailored” wine room

Do you dream of your own wine cellar, a wine wall or a wine room?

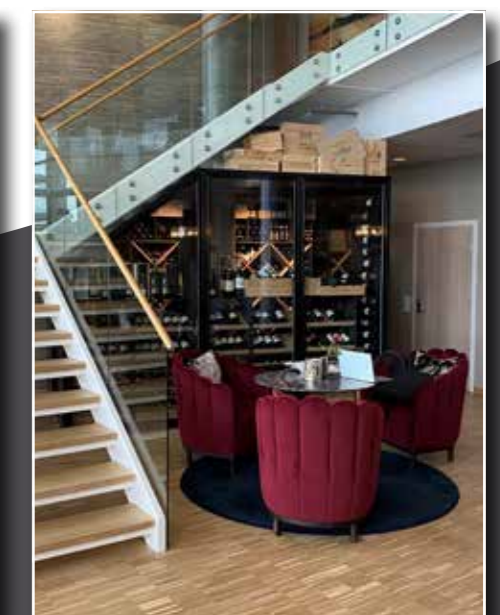
We are experts in wine storage solutions. Together with you, we will analyze your needs to find the optimal solution. Do you just want the best storage conditions for your wine, or do you want a piece of furniture that fits into the living room, hallway, cellar or under the stairs? We tailor a complete room with walls, floor and ceiling, fully insulated to suit your measurements. The possibilities are many, and Thermocold together with our dealers are here to help you find the best solution.

The most important thing in a wine room is the room itself:  
The most effective way to achieve a stable temperature is through a well-insulated room. Our wine rooms are built from precast elements that ensure optimal conditions for the desired temperature and humidity. A room built from such elements has better insulating properties than a wine room made of wood. The optimum temperature for long-term storage of wine is between 12 and 14 degrees, with a humidity of around + - 60%.

Our solution is just as suitable if you want to integrate the wine room as for a stand-alone wine solution with insulated glass doors. By choosing such a solution, you get a solid starting point for wine storage for many years. If you have a free wall, we can adapt a wine wall perfectly to your environment. If you have an internal storage room, we can transform it into a great wine room with our custom-made elements in matt black, with only 54 mm thick walls.

We produce the wine room completely finished at our factory in Norway, we test fit all panels before we send it to our customers, the room can be assembled by the customer himself, or with the help of a craftsman.

**IMPORTANT:**  
For the guarantee and complaint to be valid, the product must be placed in an isolated room. The room must be built as a cold room with a moisture barrier in accordance with the Norwegian standard (NS) or in cold room panels (min. 54 mm thickness).



# Refrigerator and wine units world class



The unit's performance is calculated according to the room size and total u-value, by which we mean that account must be taken of glass panels that have a higher u-value and are therefore not as well insulated as walls, floors and ceilings. Designed for ideal ambient temperatures from 8°C to 24°C

**EC10 Wine** – Wine room 2-12 m<sup>3</sup> Wine cooler with built-in heating function.

**The EC10 Wine** is a new wine unit with both cooling and heating functions. The heating element kicks in when the temperature in the wine room drops below the set storage temperature. The wine cooler is designed for self-built wooden rooms and Thermocold's element cold rooms from 2-12,000 litres. The models have a dust filter for quick and easy maintenance. NB! For a new installation, a plastic cover or ventilation grid pack must be fitted. This is purchased separately.

**EC10 Wine** is an exquisite Norwegian-made wine cooler intended for insulated wine rooms and wine cellars. This wine unit is perfect where cooling and a stable temperature are an important factor.

With a built-in heating function and powerful cooling, the wine cooler ensures a safe and good storage environment for the wine collection. The model is designed for wine rooms from 2-12 m<sup>3</sup>. The performance of the wine cooler is affected by how well the room is insulated. Glass doors and glass surfaces reduce the cooling effect.

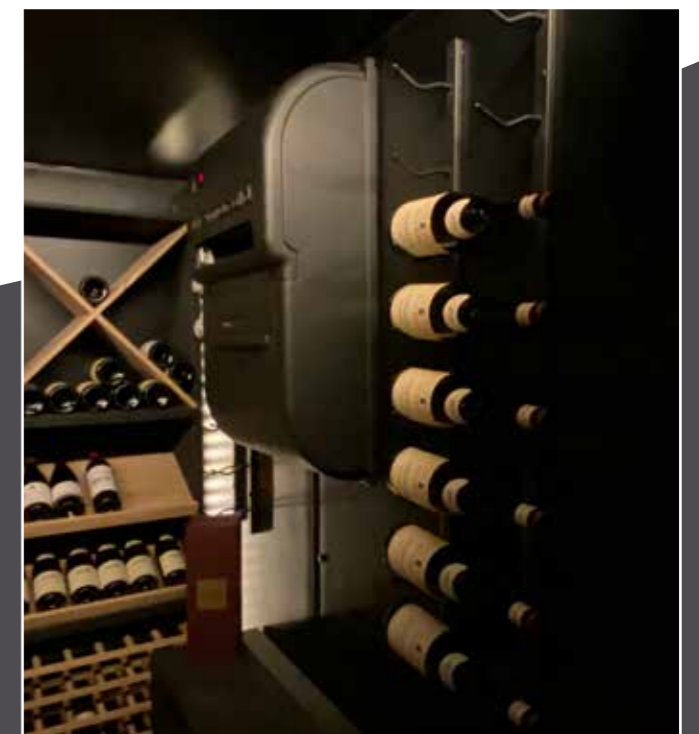
A wine room must be built as a cold room, either in wood or with cold room elements. Feel free to combine with a glass

door and glass range. Use a moisture barrier on the warm side in accordance with NS. Glass surfaces in the room must be calculated in each individual case. Materials such as plaster and MDF are not recommended in a wine room, due to the moisture these materials attract.

N.B! If one or more walls in the wine room are made of brick, concrete, non-insulated glass or other non-insulated materials, these walls should be modified/insulated before a wine cooler is put into use. If you are wondering whether your room can be used for wine storage. Contact our sales department. The wine cooler is mounted from the inside of the room and through the cold room wall. This provides much greater flexibility with regard to mounting solutions.

**EC10 Wine** can be adjusted from 10°-18°C in a well-insulated wine room. The advanced regulator ensures that a stable and even temperature is maintained in the wine room, even if the ambient temperature drops below the desired temperature in the wine room. The wine cooler has a connection for light on top, this makes it possible to connect the desired lighting in the wine room.

N.B! Cold room built in wood: Make sure the room is built according to NS (Norwegian standard) or better. NS specifies the minimum standard for self-built cold rooms where the correct construction of cold rooms built in wood is described. Requirements are submitted for insulation in the floor, walls and roof, as well as a moisture barrier on the warm side of the insulation. When using glass, we recommend a u-value of 1.2 or better.



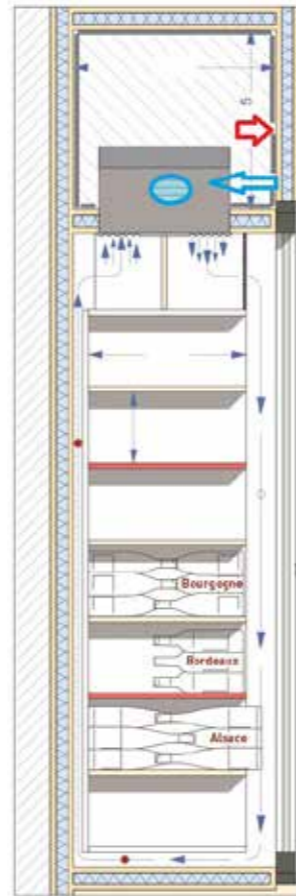
# Refrigerator and wine units world class

Wine Arm 15X Ceiling unit for wine rooms up to 15m<sup>3</sup>  
Wine cooler from WineMaster in France.



Wine Arm 15 is for use in ceiling integration. It is lifted up and into the ceiling from inside the wine room. The wine cooler is intended for self-built wooden cold rooms, or Thermocold's ready-made elements for wine rooms from 2-15,000 litres. The models have a dust filter for quick and easy maintenance.

NB! In the case of a new installation, there are various additional equipment for guiding air in and out on the warm side. This is purchased separately. The room above where the compressor is placed must be soundinsulated to reduce the sound profile and properly ventilated. Remember drain for condensation water.



C25X-vin, wall unit for wine rooms up to 25m<sup>3</sup>  
Wine cooler from WineMaster in France.

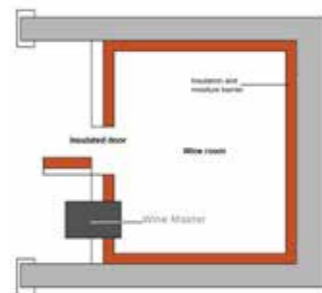


C25-vin is for use for embedding in a wall, it is lifted up and threaded into the wall from the inside of the wine room. The wine cooler is intended for self-built wooden cold rooms or Thermocold's ready-made elements for wine rooms from 5-25,000 litres.

**The C25 comes in 3 different models:**

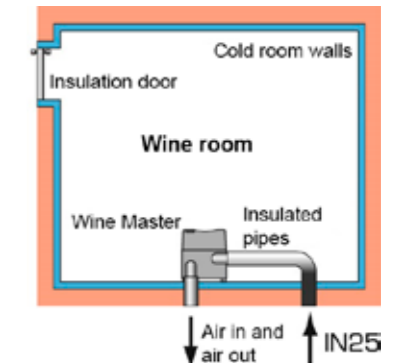
- C25X: Cooling only
- C25SX: Cooling and heating function
- C25SRX: Cooling, heat and heating belt (for use at low ambient temperatures)

The models have a dust filter for quick and easy maintenance.



*N.B!* For new installation, the wall cannot be deeper than 150 mm, for modification a maximum of 220 mm. You need the warm side to go out towards a room of a certain size in order for the unit to have sufficient air. Remember drain for condensation water.

IN25X-vin, veggunit for vinrom opp til 25m<sup>3</sup>  
Wine cooler from WineMaster in France.

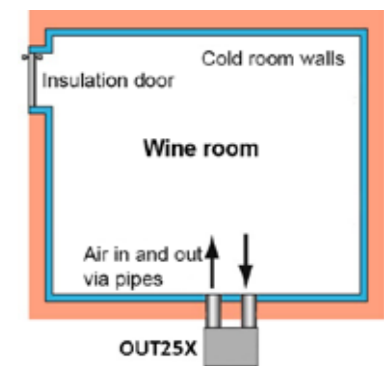


IN25 wine is installed inside the wine room and mounted on two brackets. Air in and out for the compressor/condenser is led via insulated ventilation pipes Ø125 through the wall/ceiling from the inside of the wine room and out to rooms on the outside. The wine cooler is intended for self-built wooden cold rooms or Thermocold's ready-made elements for wine rooms from 5-25,000 litres.

IN25 comes in version: Cooling and heating function. The models have a dust filter for quick and easy maintenance.

*N.B!* When installing, you need a wall mount for the brackets and Ø125 insulated pipes to lead air in and out to the compressor. Remember drain for condensation water.

OUT25X wine, wall unit for wine rooms up to 25m<sup>3</sup>  
Wine cooler from WineMaster in France.



OUT25 wine is mounted on the outside of the wine room and it is mounted on two brackets - Air in and out for the evaporator/cold air is led via insulated ventilation pipes Ø125 through the wall/ceiling from the outside of the wine room and into the wine room. The wine cooler is intended for self-built wooden cold rooms or Thermocold's ready-made elements for wine rooms from 5-25,000 litres.

Out25 comes in the following edition: Cooling and heating function. The models have a dust filter for quick and easy maintenance.

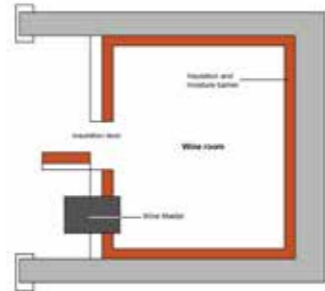
*N.B!* For installation, you need a wall mount for the brackets and Ø125 insulated pipes to bring cold air in and out. Remember drain for condensation water.



# Refrigerator and wine units world class

## C50X wine, wall unit for wine rooms up to 50m<sup>3</sup>

Wine cooler from WineMaster in France.



C50X-vin is for use for embedding in a wall, and it is lifted up and threaded into the wall from the outside of the wine room. The wine cooler is intended for self-built cold rooms in wood or Thermocold's ready-made elements for wine rooms from 5-50,000 litres.

*N.B!* For new installation, the wall cannot be deeper than a maximum of 200 mm. You need the warm side to go out towards a room of a certain size in order for the unit to have sufficient air.

*Remember drain for condensation water.*

The C50X comes in two different models:

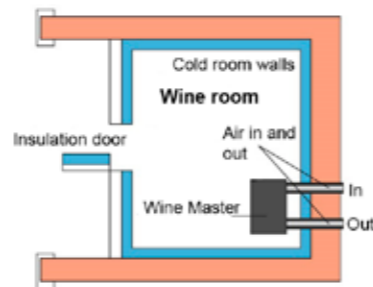
C50SX: Cooling and heating function

C50SRX: Cooling, heating and heating belt  
(for use at low ambient temperatures)

The models have a dust filter for quick and easy maintenance.

## IN50 wine, wall unit for wine rooms up to 50m<sup>3</sup>

Wine cooler from WineMaster in France.



IN50 wine is mounted inside the wine room, and it is mounted on the floor. Air in and out for the compressor/condenser is led via insulated ventilation pipes Ø160 through the wall from the inside of the wine room and out to rooms on the outside.

The IN50 comes in the following version: Cooling and heating function.

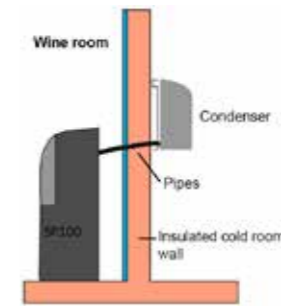
The models have a dust filter for quick and easy maintenance.

*N.B!* When installing, you need 2xØ165 holes in the wall for 2xØ160 insulated pipes to lead air in and out to the compressor. *Remember drain for condensation water.*

The wine cooler is intended for self-built cold rooms in wood or Thermocold's ready-made elements for wine rooms from 5-50,000 litres.

## SP100 wine, split unit for wine rooms up to 100m<sup>3</sup>

Wine cooler from WineMaster in France.



The SP100 series is a splitting machine for the wine room, and is mounted on the floor, inside the wine room. Pipes with the refrigerant are laid through the wall from the inside of the wine room and out to rooms on the outside. Here, a condenser is mounted on the wall, and the pipes with the refrigerant are connected. The wine cooler is intended for self-built wooden cold rooms or Thermocold's ready-made elements for wine rooms from 5-100,000 litres.

SP100-4 Supplied with 4.5 meter pipe with quick connection.

SP100-8 Supplied with 8 meter pipe with quick connection. The models have a dust filter for quick and easy maintenance.

**The SP100 comes in the following versions:**

The SP100PRO is installed by a cold fitter for copper pipes.

Cooling and heating function.

*N.B!* When installing the models SP40 and SP80DU, installation by an approved cooling technique is required, not included in the price.

*Remember drain for condensation water.*

## SP40 wine/SP80 DUPRO, split unit for wine rooms up to 40/80m<sup>3</sup>

Wine cooler from WineMaster in France.



The SP40 series is a split machine for the wine room. Here, the compressor part is mounted outside in the open air, while the evaporator/inside part is mounted either through the ceiling inside the wine room, or on the wall on the outside, - depending on the model you choose below. Pipes with the refrigerant are laid through the wall from the cold part out to the hot part on the outside.

Mounted above the ceiling or on the wall on the outside of the wine room, ducts lead into the wine room Ø125

Here, the compressor is mounted on wall brackets and the evaporator based on the selected model. The wine cooler is intended for self-built cold rooms in wood or Thermocold's ready-made elements for wine rooms from 5-40,000 litres.

SP40 CE Retractable roof evaporator. Mounted in the ceiling, if the construction allows it, it can be folded into the ceiling/ceiling.

SP40 CA built-in vaporizer. Mounted inside the wine room above an artificial ceiling or built in hidden behind the wine shelves. The models have a dust filter for quick and easy maintenance.

**The SP40 comes in the following versions:**

SP40 DU Duct tube evaporator up to 40m<sup>3</sup>  
SP80 DUPRO tube evaporator up to 80m<sup>3</sup>

*N.B!* When installing the models SP40, installation by an approved cold fitter is required, this is not included in the price. *Remember drain for condensation water.*

# Remember rules for dimensioning of wine aggregate

**When considering building your own wine room, it's important to start with some basic considerations. Let's start by taking a closer look at what you should be thinking about:**

## 1. Storage period

Short term: If the main purpose is to store wines for immediate consumption. Medium storage: For wines that you plan to enjoy within a few years. Long storage: If you have wine that you want to store for 10, 15, 20 years or more.

## 2. The purpose

Practical wine room: Only storage with optimal conditions in a dark and cool room, ideal for maximum storage of bottles.

Wine furniture: An aesthetic part of the home, placed in the living room, under the stairs or in the hall.

Glass field/hatch in the floor: Gives you the opportunity to admire the wine collection from the outside.

## 3. Number of bottles

Consider how many bottles you already have and how many you expect to add in the future.

## 4. Space

Find several potential places in your home to place the wine room and evaluate them according to the number of bottles and the purpose of the room. Once you have considered these basic aspects, it is important to ensure proper storage conditions for your wine:

**Temperature:** In general, a stable temperature of around 12–14°C is recommended for both white and red wine. Storing the wine too cold can delay the ripening process, while too high temperatures can speed it up.

**Humidity:** A relative humidity (RH) of around 60% is considered optimal for wine storage. However, a range of 45-75% RH leaves room for variation. Avoid extreme humidity levels as this can affect the cork and allow oxygen to enter the bottles.

**Light conditions:** Reduce exposure to light, especially UV rays, as this can negatively affect the wine over time. Store wines in a dark environment or in boxes to protect them from light.

**Vibration:** Avoid excessive vibration, especially for wines to be stored for a long time. Although short-term vibration does not usually cause significant damage, prolonged vibration should be avoided.

**Smell:** Keep the room free of strong smells that can affect the wine's aroma. Avoid using materials with prolonged degassing in the room.

**Climate:** Good insulation and proper climate control are important. Building a wine room with proper insulation usually provides better climate conditions than rooms with poor insulation. Ensure adequate air circulation. By following these guidelines, you can create a wine room that optimally maintains the quality of your wine, whether you are a passionate collector or an enthusiastic wine connoisseur.

## How do I build my own Wine Room?

When planning to build your own wine room, there are several different approaches you can consider: The secret behind a wine room lies in the room itself; the better the room, the easier and more successful the rest of the project will be.

### 1. Wood, Elements or Glass

You have several options for the actual construction of the wine room. You can either build it yourself in wood, use plastic/moisture barrier and insulation or buy a ready-made element room that is adapted to your measurements and is easily assembled in place. The last-mentioned solution is perhaps the simplest and most efficient, but it is possible to build the room yourself in woodwork and insulation. Both options can include a glass door or glass wall for aesthetic appeal and visibility. Remember insulated glasses with a low U-value.

### 2. Cold room Panels

A practical approach is to order ready-made standard or custom paneled wine rooms, often made from solid 5cm thick panels. This offers several advantages, including easy dismantling, the possibility of moving or selling the room, as well as high insulation and a completely sealed room. Depending on size and design, most paneled wine rooms can be set up in one evening and be ready for use. The panel rooms are assembled without the need for screws, using a supplied key to lock the walls, floor and roof together. This gives extreme control over the climate in the room and low power consumption.

### 3. Building in wood

For those who want to build their wine room in wood, it is entirely possible, although it may require the help of a carpenter for some. Generally speaking, this approach involves constructing a room inside an existing room, with a small clearance or air gap against the existing walls. For example, if you place it in a corner of the basement, you start with some space left over against the two walls. You then build the floor, walls and roof with plastic on the outside, insulation between the studs and use suitable materials inside the wine room. It is important to note that the materials must be able to withstand high humidity.

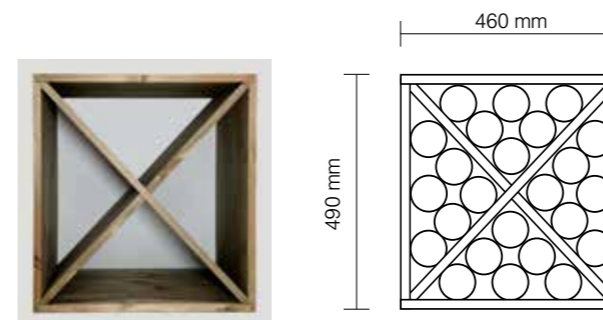
### 4. Glass walls

Wine rooms with glass walls provide a stylish design, but they often do not have built-in cooling. A few glass walls are well insulated and allow the use of cooling systems, but this often requires large cooling units. Most glass wine rooms you see on social media or in restaurants are designed for serving temperatures (16°-18°C) and use specialized air conditioners sized for this. If you want to achieve a temperature of 12°C in a glass room, careful dimensioning and professional advice are required for the right choice of cooling units. It may also be a good idea to consider smaller glass walls or glass doors to optimize the climate.

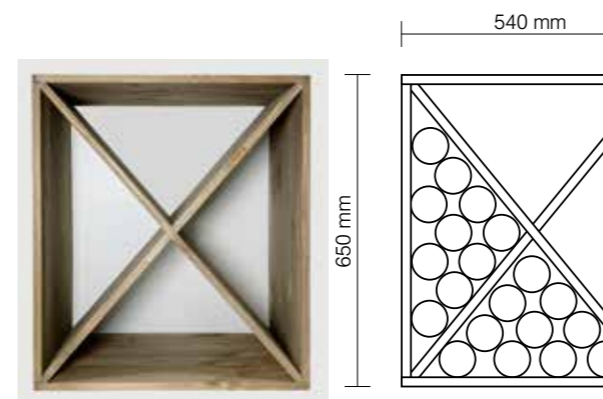
### Conclusion

The choice of how to build your wine room depends on your preferences and needs. Take the time to read through these options and decide which type of room and features are most important to you before moving forward with the building project.

# Accessories and additional equipment for wine rooms



Olivia



Louise

### Olivia wooden shelf - Made in Norway of high quality

Dimensions: H490xB460xD305 mm

Number of bottles: 24 stk +

Quality: Norwegian pine

Colour: Driftwood (grey/brown)

### Louise wooden shelf - Made in Norway of high quality

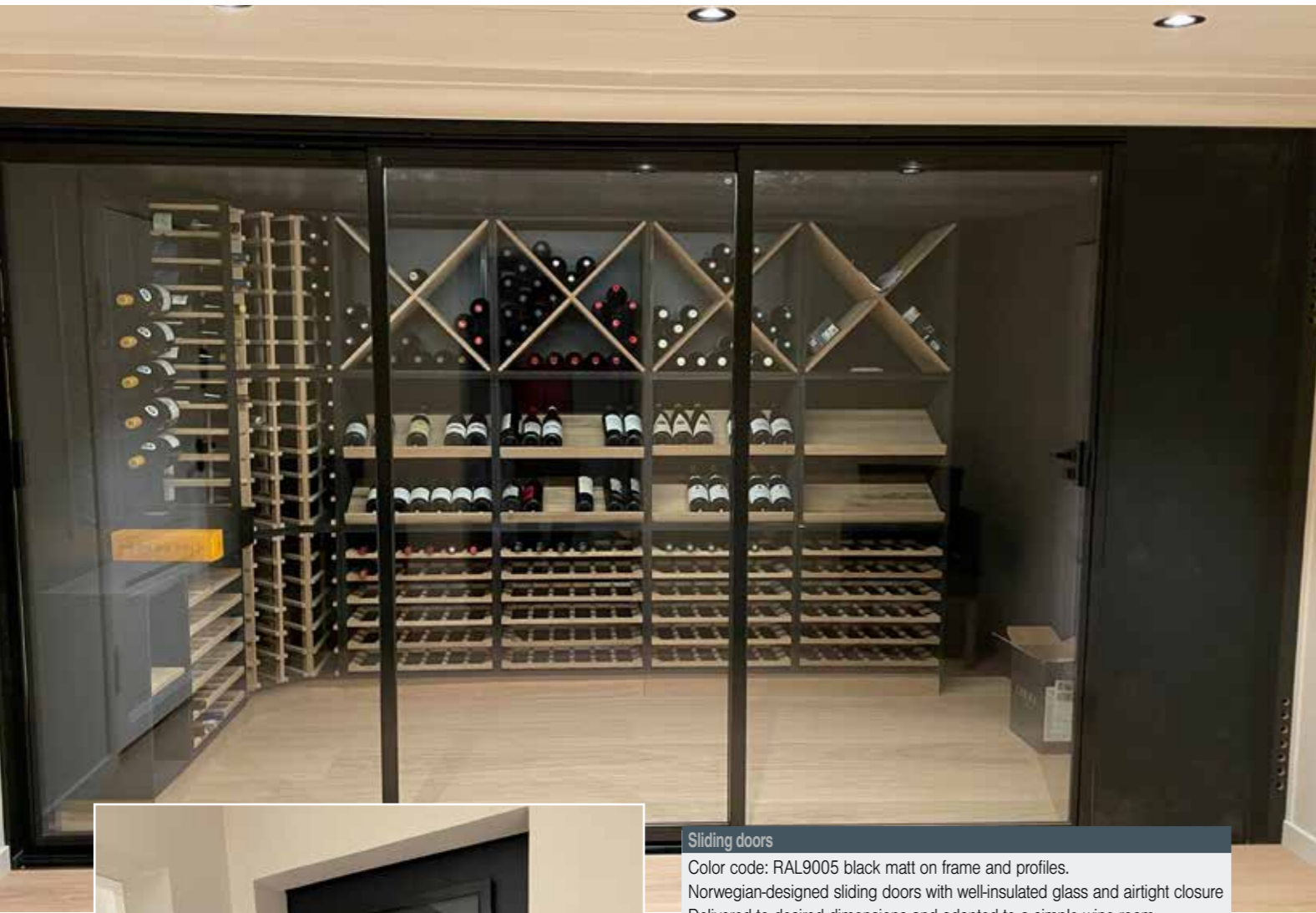
Dimensions: 650xB540xD305 mm

Number of bottles: 40 stk +

Quality: Norwegian pine

Colour: Driftwood (grey/brown)

## Sliding doors to wine room



### Sliding doors

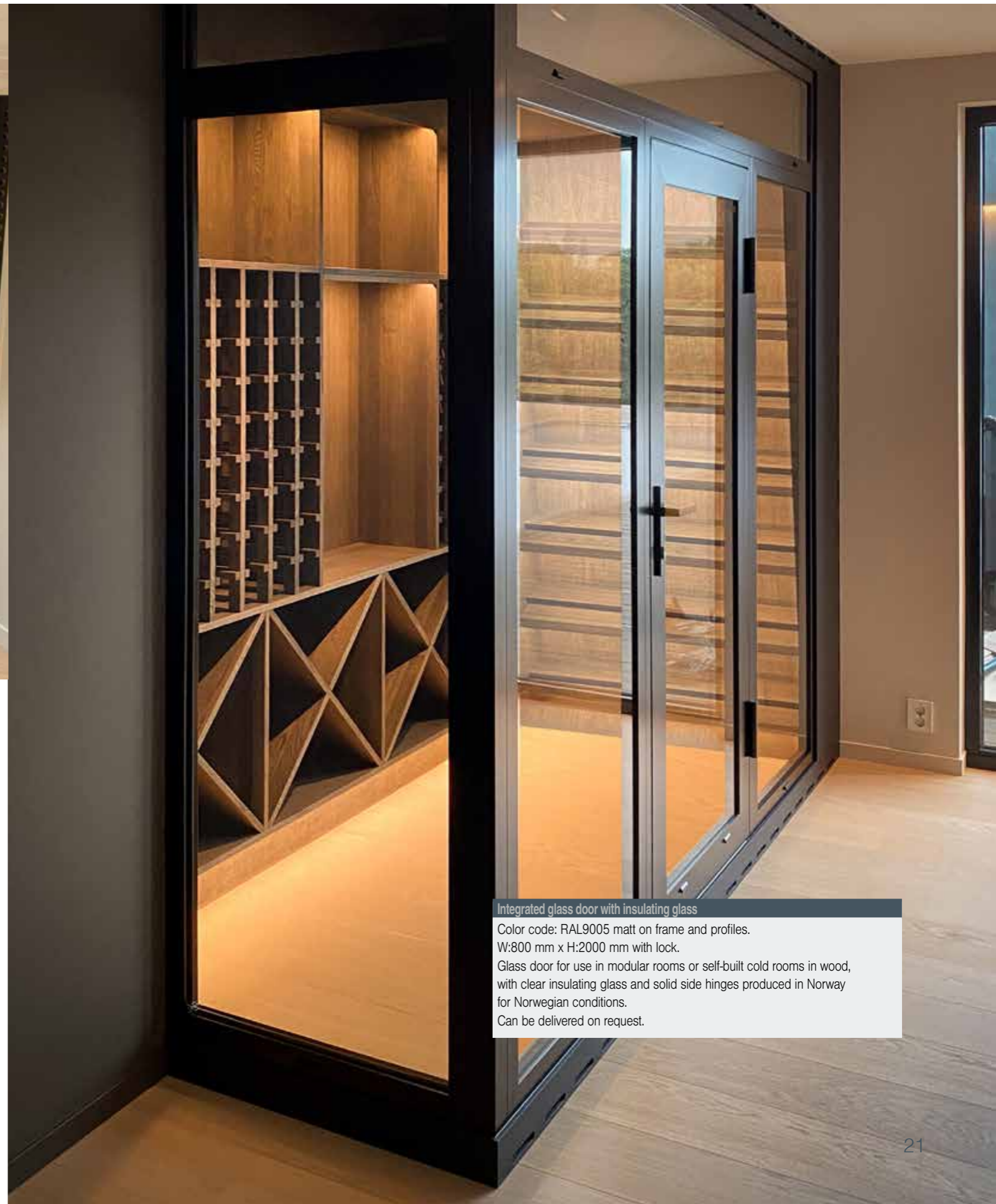
Color code: RAL9005 black matt on frame and profiles.  
Norwegian-designed sliding doors with well-insulated glass and airtight closure.  
Delivered to desired dimensions and adapted to a simple wine room.  
Supplied with handle and lock.  
Sliding doors provide maximum visibility, delicate airing and convenient opening and closing.  
Sliding doors are often used instead of glass walls to give maximum visibility into the wine room.



### D-190 Glass door Black/Grey Alum. external for element rooms

Color code: RAL9005 black matt on frame and profiles.  
Color code: RAL9006 matt gray on frame and profiles.  
D-190 external door W:630 mm x H:1900 mm.  
Supplied in black or gray version with lock.  
Light opening in wall is: W:590 mm x H:1860 mm.  
Glass door for use in modular rooms or self-built cold rooms in wood, with clear insulating glass and solid side hinges produced in Norway for Norwegian conditions.

## Doors to wine room



### Integrated glass door with insulating glass

Color code: RAL9005 matt on frame and profiles.  
W:800 mm x H:2000 mm with lock.  
Glass door for use in modular rooms or self-built cold rooms in wood, with clear insulating glass and solid side hinges produced in Norway for Norwegian conditions.  
Can be delivered on request.



# Wine room

Thermocold has produced wine coolers for private wine collectors, and to larger wine cellars for hotels and restaurants for 35 years. Full electronic control with settings in display, and with fan for uniform temperature throughout the cabinet. We focus on the right temperature, low vibration and the right humidity for optimal storage.

See website for more information: [www.thermocold.no](http://www.thermocold.no)





**Thermocold**

**Thermocold KFD AS**

Torvliå 2, N-1739 Borgenhaugen, Norway

Phone: 69 10 24 00 – E-mail: [post@thermocold.no](mailto:post@thermocold.no)

[www.thermocold.no](http://www.thermocold.no)