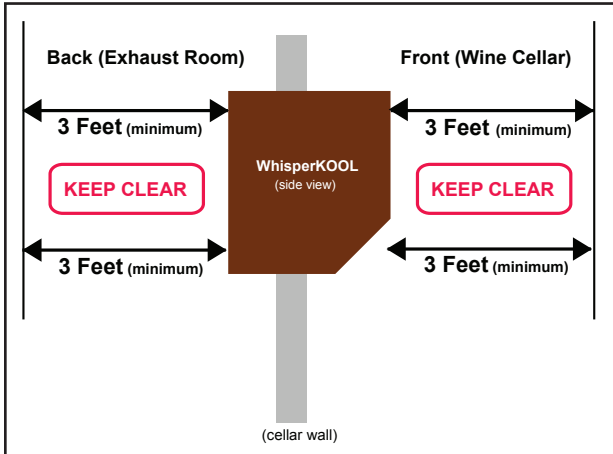


# WhisperKOOL XLT Installation Guide

## Airflow & Ventilation

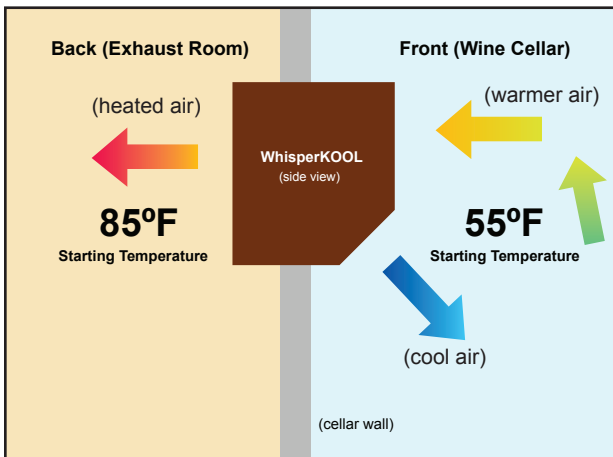
Airflow and ventilation are two of the most important criteria for the proper operation of your WhisperKOOL cooling unit ensuring a stable, functional wine cellar environment. Please review the following five guidelines prior to installing your WhisperKOOL cooling unit..

### 1) Airflow - Required Clearance



Proper airflow is critical to the performance of the WhisperKool unit. Any obstruction to the intake and exhaust ports on both sides on the unit will compromise the unit's ability to cool. Make sure the Whisperkool unit air vents are clear. Check the front and rear air intake vents for any possible obstruction. There should be a clearance of three feet directly in front of the intake and exhaust vents.

### 2) WhisperKOOL Airflow - Basics

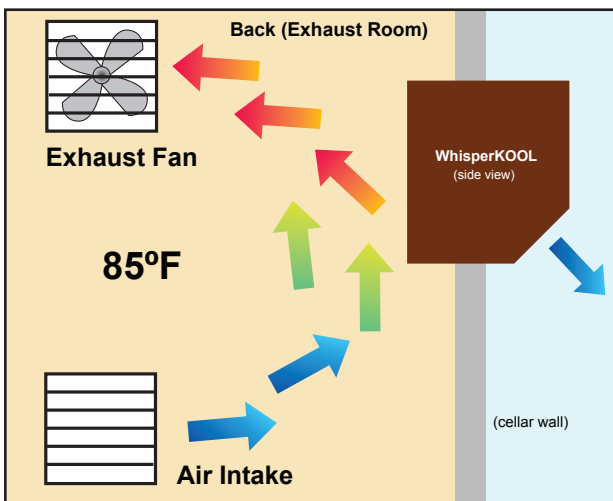


The WhisperKOOL unit provides cool air into the wine cellar at a 45° degree downward angle, thereby cooling the cellar's room temperature. The unit must be mounted high in the room in order to capture the warmer air that rises up in the cellar.

Heated air is released through the back of the unit into the exhaust room. WhisperKOOL units have been designed to maintain up to a **30° degree temperature differential**.

To maintain 55° degrees in the wine cellar, the temperature in the exhaust room **must not** rise above 85° degrees.

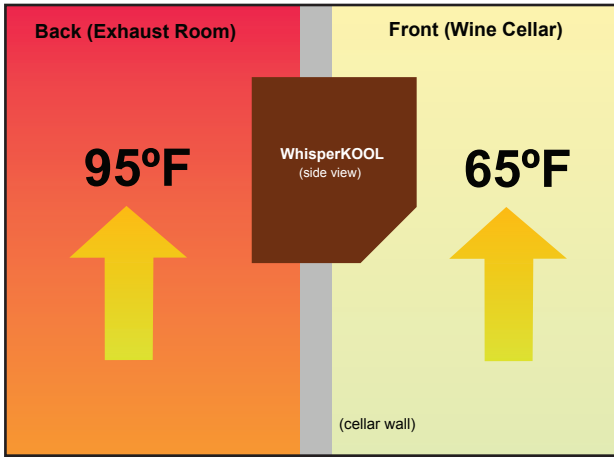
### 3) Exhaust Room Ventilation Requirements



Proper ventilation of the WhisperKool unit in the exhaust room is one of the most important and often overlooked issues associated with the unit's performance. The WhisperKool unit does create a large amount of heat on the exhaust side. This heat needs to dissipate freely away from the unit for the WhisperKOOL to function properly.

The exhaust room requires **both, an exhaust fan** mounted near the top of the room, and an **air intake** near the bottom of the room. The exhaust fan is needed to draw out the warmest air, while the air intake allows cooler air to enter, enabling air circulation. Without both the exhaust fan and air intake, the warm air will be locked inside the room resulting in increasing temperatures.

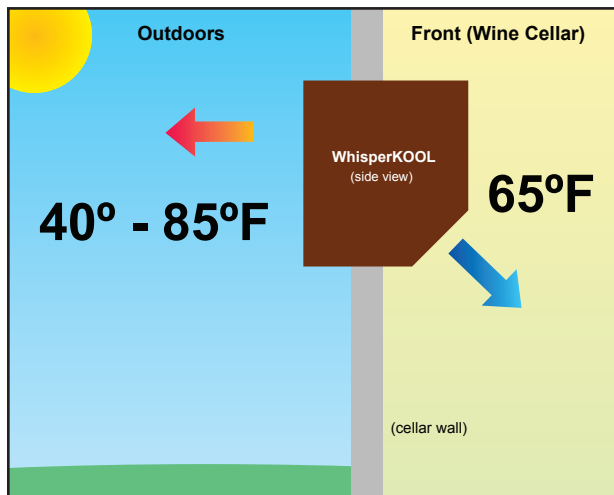
#### 4) Common Exhaust Room Ventilation Issues



Without both the exhaust fan and air intake the warm air will be locked in the exhaust room, resulting in rising room temperatures. With the maximum 30° degree temperature differential provided by the WhisperKOOL unit, this will result in proportionally increasing temperatures in the wine cellar. For example, if the exhaust room is allowed to increase its temperature to 95° F, then the wine cellar can only be cooled to 65° F.

As a result your WhisperKOOL unit will end up running continuously, which can lead to icing and other problems, including premature failure.

#### 5) Venting Through an Exterior Wall



Venting the WhisperKOOL unit through an exterior wall is possible, though not recommended. Installation through an outside wall can be considered when all of the following conditions are met:

- 1) The outside temperature does not exceed 85° degrees in the summer
- 2) The temperature stays above 40° degrees in the winter
- 3) The exposed back part of the cooling unit is protected from direct sunlight and rain (Vinotheque provides an optional outside cover)

Note: if outside ambient temperatures rise above 85° degrees, the temperature in the cellar will increase by a parallel amount., This results in the unit running continuously, which can lead to icing and other problems including premature failure.

When the outside temperature falls below 40° degrees, the unit will ice up on the inside, risking premature failure.

### Technical Assistance

Should you have any question about the installation of your WhisperKOOL unit, you can contact Vinothèque. Our Customer Service department is available Monday through Friday from 8:00 A.M. TO 4:00 P.M. Pacific Standard Time.

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