

XLT SERIES OWNER'S MANUAL

FOR:
XLT 1600
XLT 3000
XLT 4200
XLT 6000
XLT 8000

*Whisper***KOOL**[™]
The Coolest Thing In Wine Storage

We manufacture, test and certify 100% of our wine cooling units in the USA. By sourcing the best components and closely controlling our manufacturing processes, we can assure the highest-quality, lowest defect manufacturing rates in the industry.

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OWNERS PLEASE NOTE

ALWAYS PLACE UNIT IN UPRIGHT POSITION

Do not start or plug-in your new unit for 24 hours after delivery.

Units are sometimes accidentally tipped onto their sides during shipping which may allow compressor oil to escape their reservoirs.

Premature starting—before the oil has had a chance to resettle—can cause damage to the compressor and result in a lack of cooling.

A DEDICATED 20 AMP CIRCUIT IS HIGHLY RECOMMENDED FOR OPTIMUM OPERATION!

INTRODUCTION

Thank you for purchasing the WhisperKOOL[®] wine cellar temperature and humidity maintenance system.

Please take the time to read through the owner's manual so you understand the correct operations of the WhisperKOOL unit.

What is the WhisperKOOL System?

The WhisperKOOL system is a specialized piece of equipment designed to absorb heat from a cellar and discharge it through the rear of the unit into an adjacent room. **The unit will operate 75 to 80 percent of the time in order to maintain an ideal temperature and humidity in a wine cellar.** Essentially, it will operate as needed to absorb the heat that naturally permeates into the cellar. It is important to follow the cellar construction guidelines provided on page 5 in order to maximize effectiveness based on the quality of efficiency in the vapor barrier, therefore reduce the operating time of the cooling unit itself.

How does the WhisperKOOL System Work?

- **The WhisperKOOL system** is designed to maintain humidity, while measuring and maintaining the wine temperature in the cellar. This is achieved by gently cooling rather than by quick-chilling.
- **Temperature Setting:** The WhisperKOOL unit can be set at any temperature within the acceptable wine-aging range of 50°F -to- 70°F. It is designed to cool 30°F cooler than the ambient temperature of the space it is exhausting to with proper ventilation.
- **Humidity Control:** There are no separate controls for maintaining proper humidity. Humidity is managed through the design and engineering of the unit. For more information about this process, see Normal Operation on page 17.

All units come with a drain line for additional removal of excess condensate, as a back up system to the Condensate Evaporator which is used to dissipate excess condensations. It is mandatory to install the drain line attachment for the unit to function effectively, preventing overflows and leaks from build up of condensate. **Failure to install the drain line voids warranty.**

- **The WhisperKOOL system** is designed to be mounted through an interior wall into the cellar. The unit will operate correctly in a controlled environment to properly manage the effective cooling of the cellar. The unit is not designed to withstand the elements of an outdoor climate where **summer temperatures exceed 85 degrees** or in winter environments where temperatures reach below 55°F. The components are not designed for these extreme conditions and premature failure may occur.

Note: Improperly preparing your enclosure or incorrectly installing your WhisperKOOL system may cause unit failure, leaking of condensation, and other negative side effects.

RECEIVING & INSPECTING THE UNIT

Customer Warranty Registration

PLEASE COMPLETE AND RETURN THE REGISTRATION/WARRANTY CARD UPON RECEIPT OF THE UNIT. By completing the Product Registration Card, you will be confirmed in our customer database ensuring that your information is on file to help you obtain efficient warranty service.

Please refer to pages 30 and 31 for complete terms and conditions, warranty guidelines, and policy for your WhisperKOOL Extreme Series cooling unit.

Receiving and Inspecting the Unit

Please examine the WhisperKOOL packaging for any damage to the carton. Note any damage on the original bill of lading, shipper's receipt, or airbill. Damaged merchandise, including unstable cabinets, should **not** be accepted. Contact WhisperKOOL Customer Service at 1-800-343-9463 ext.799 immediately if you have a defective or damaged product.

Do not attempt to install any unit with cosmetic damage. This includes (but is not limited to) bent flange and/or brackets. A representative will file a claim with the shipping company, arrange for a replacement unit to be shipped to you and for the original unit to be picked up. In some instances, an inspection must take place at the point of receipt, in which case you will be contacted by the shipping company to schedule an appointment to inspect the damaged goods.

Please leave the WhisperKOOL System in its original box until you are ready for installation. This will allow you to move the product safely without damaging it. When you are ready to remove the product from the box, see Installation on page 10.

Note: Save your box and all packing materials. They provide the only safe means of transporting the unit.

Contents:

- Owner's Manual
- By-Pass Plug
- Registration/Warranty Card
- Insulation Foam (4 strips)
- 8 - 1 3/4" Screws (18 for WK 6000 & 8000)
- Power Cord
- Drain Line with Brass Fitting
- Thermostat

QUICK START GUIDE

This guide is meant to serve as a quick reference for installation of the WhisperKOOL unit. The remainder of this Owner's Manual will provide more detailed information and instructions.

Upon receiving the WhisperKOOL unit:

1. **Inspect the unit before installation.** If damage is found, please contact your distributor or WhisperKOOL Customer Service at 1.800.343.9463 ext 799.
2. The unit should **remain in an upright position for 24 hours** prior to operation.
3. The WhisperKOOL unit **requires a dedicated 110-volt 20-amp circuit** (or 220-volt depending on the unit). Use a surge protector with the WhisperKOOL unit. **Do not use a GFI** (Ground Fault Interrupter) line.
4. For your convenience, the Whisperkool unit has two power sockets, one on the side of the unit and the other on the back. Both sockets come covered. **Remove the cover from only the desired power socket** in order to plug the unit in.
5. The unit is designed to gently cool down the temperature of the cellar over time by cycling cooler and cooler air throughout. **Test the unit prior to installation.** With power off, attach the "by-pass plug" (included in accessory bag) to the open plug located on the unit, where the PDT thermostat will need to be installed. Operate unit for twenty minutes. While the unit is running and working properly, **the air discharged from the front should be 10 - 15°F cooler than the air** in the room. This means that in an environment where the air is 80°F, the unit will discharge air that is 65-70°F.
6. After testing, remove the "by-pass plug," mount unit to desired location, and install the PDT thermostat into the plug. Upon plugging the unit in and turning it on, there will be **a five (5) minute delay on initial start up of the unit.**
7. **In areas of high humidity, put the condensate evaporator switch to the "ON" position.** It is also required to **install the drain line** to remove excess condensation from the unit.
8. The WhisperKOOL unit is intended **for use in properly designed and constructed wine cellars.** Hire a professional wine storage consultant with a valid contractor's license to build your wine cellar. Refer to the "How to Build a Wine Cellar" video available on the Whisperkool website at www.whisperkool.com.
9. Install the foam strips along the inside edge of the unit's flange to assure a proper seal against the wall.



Never try to open the WhisperKool unit, repair it yourself, or use a service company without WhisperKool's authorization. This will void your warranty.

If you encounter a problem with your WhisperKool unit, please refer to the Troubleshooting Checklist on pages 24-28. If you have any further questions, concerns, or need assistance, please contact WhisperKool Customer Service at 1.800.343.9463 ext. 799. Please be sure all testing has been completed prior to contacting Customer Service. Please have your results ready for your representative.

PREPARING THE WINE CELLAR

The performance and life of your WhisperKOOL System are contingent upon the steps you take in preparing the wine cellar.

IT IS HIGHLY RECOMMENDED THAT YOU OBTAIN THE ASSISTANCE OF A WINE STORAGE PROFESSIONAL.

Wine storage professionals work with licensed contractors, refrigeration technicians, and racking companies to build well-insulated, beautiful, and protective wine cellars. In some areas of the country, these professionals are not available. We have put together some useful tips to assist in the installation process.

Our recommendations are meant to act as a guide in the process of building a proper enclosure. Your intended location may have specific needs that we do not address.

Wall & Ceiling Framing

Build wine cellar walls using standard 2x4 or 2x6 construction methods and ceiling joists following the guidelines of local and state codes in your area. The general rule for a cellar is the thicker the walls, the higher the insulation factor, the better the cellar remains at a consistent temperature.

Insulation

Insulation is **REQUIRED** with the use of the WhisperKOOL product; Standard "Fiberglass" or "Rigid Foam" insulation is normally used in cellar construction, or in some cases, "blown in" insulation is used. It is very important that all walls and ceiling be insulated to keep the cellar temperature as consistent as possible during the summer and winter months. The R factor or thickness of insulation is determined by the thickness of the walls and ceiling. For example, fiberglass insulation of R13 is designed to be used in a 2x4 wall. R19 is used in a 2x6 wall. It is important to use the correct insulation for the wall thickness.

Vapor Barrier

Vapor barrier is **REQUIRED** if a climate control cooling unit is installed to keep the cellar at the correct temperature and humidity. 6mm plastic sheeting is applied to the warm side of the cellar walls. The vapor barrier must be either applied to the outside walls and ceiling, or if it is impossible to get to the outside, then the plastic must be applied from within the cellar. The most common method is to wrap the entire interior, leaving the plastic loose in the stud cavity so the insulation can be placed between each stud. All walls and ceiling must be wrapped in plastic for a complete vapor barrier.

In areas of humidity, such as the southern and gulf states, the vapor barrier will prevent infiltration of warm moist air. The moist air can cause mold to form. The cooling unit will strip excessive moisture from the air and create water, which will need to be dissipated back out of the cellar using the Condensate Evaporator system and drain line. In dry climates, the vapor barrier will provide more control over retaining the higher correct humidity within the cellar.

Ducting

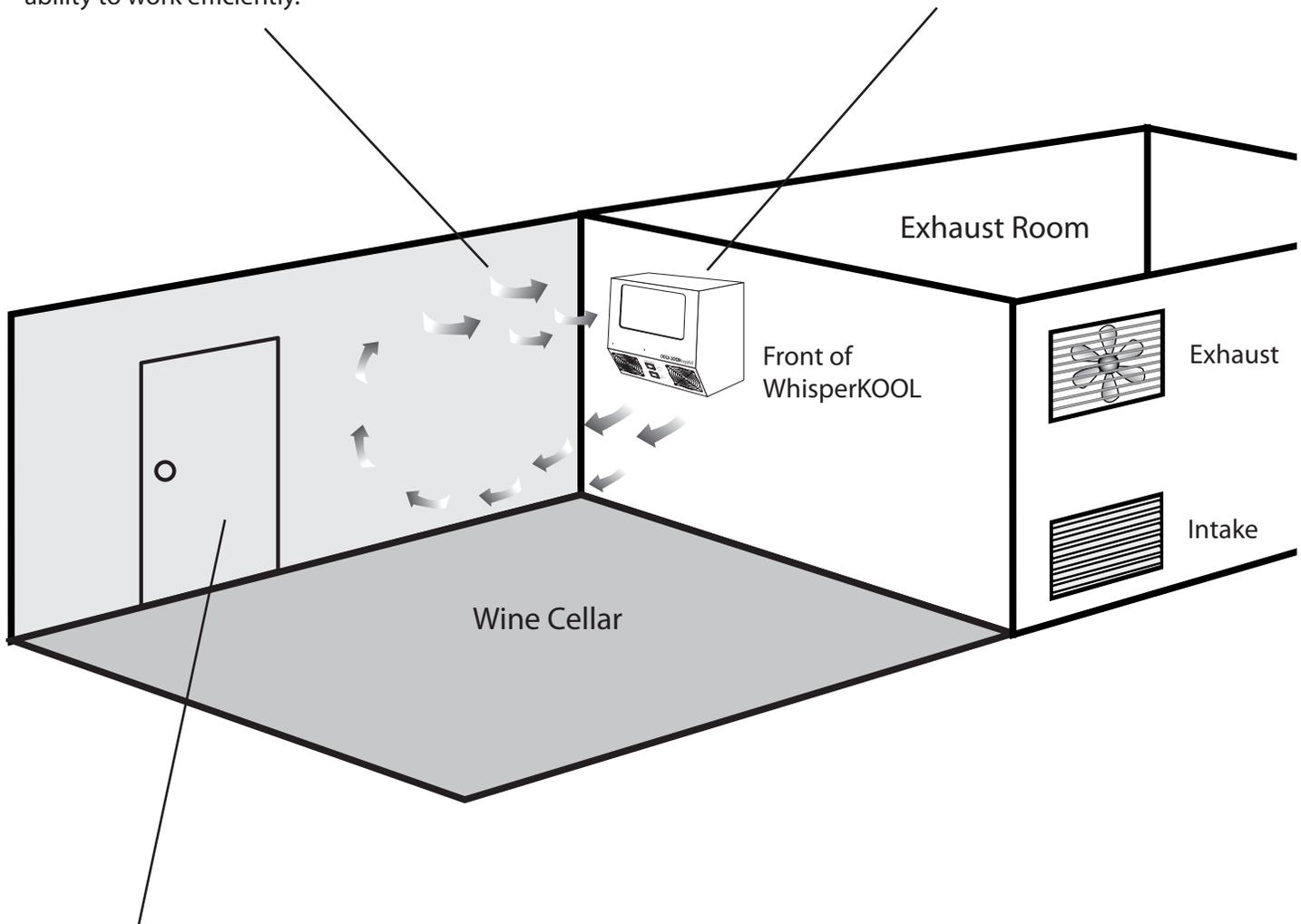
The unit is designed to exhaust into an open area. In situations where ducting may be necessary, WhisperKOOL provides a specially designed ducting accessory kit for the XLT unit. Please contact Customer Service to order the ducting accessory kit by phone (800) 343-9463. Using any other ducting system voids warranty. **Sheet rock must be applied in the exhaust room** with no vapor barrier or insulation exposed. Failure to complete the wine cellar voids the warranty. See page 29 for list of Ducting Kit options.

Unobstructed Airflow

Unobstructed airflow to and from the unit is a critical factor in the unit's overall performance. Make sure there is a three-foot clearance in the front of the unit, as fans blow down at an angle and should not be obstructed by racking. There should be a minimum three-foot horizontal clearance from the rear of the unit as well. This will assure that the unit can move the air around in an efficient manner. Avoid the attempt to camouflage the unit by installing racking in front of the unit. This will restrict airflow and thus the unit's ability to work efficiently.

Mounting the Unit

The unit should be mounted within 18 inches of the top of the room in order to achieve sufficient cooling. As the room cools down, the warm air will rise to the ceiling. Mounting the WhisperKOOL high in the room will create a consistently cool environment by capturing the warm air and replacing it with cool air. Mounting the unit low in the room will result in a temperature variation in the room due to the unit's inability to draw warm air from the ceiling of the cellar to the unit itself.



Door

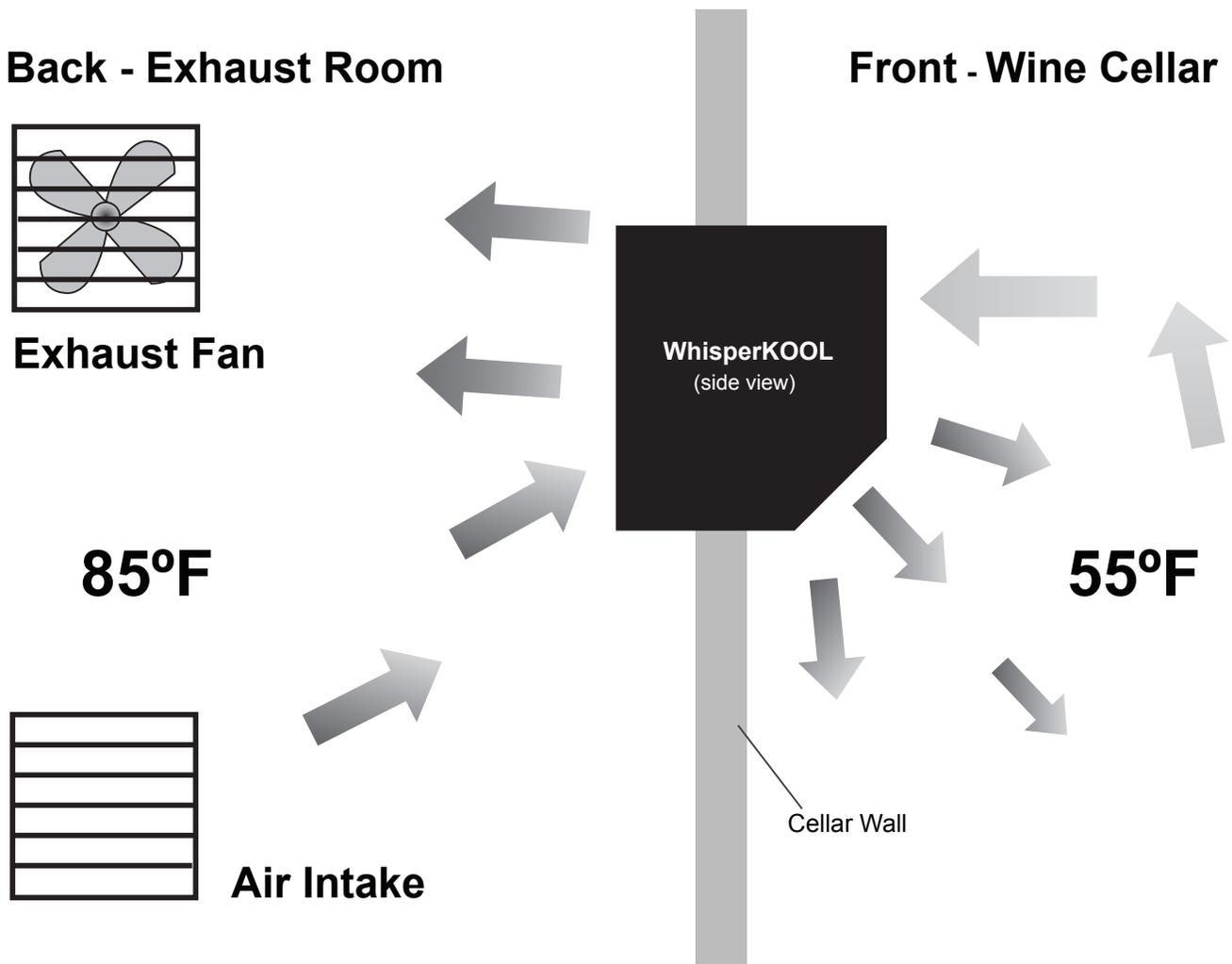
An exterior grade (1 3/4") door must be installed as a cellar door. It is very important that weather striping is attached to all 4 sides of the door jam. A bottom "sweep" or threshold is also required. The door must have a very good seal to keep the cool cellar air from escaping out of the cellar. One of the most common problems with cooling units running continually is due to the door not sealing properly. **In cases where glass doors are used and the room size is close to the recommended unit size, the next larger size WhisperKOOL should be used.** This will compensate for the insulation loss due to the lower insulating rating of glass.

Ventilation

The necessity of dissipating heat away from the unit is critical to the unit's performance and cannot be overstated. As the unit operates and cools, a greater amount of heat is generated on the exhaust side of the unit. Adequate ventilation is required in order to dissipate heat away from the unit. If ventilation is inadequate, the exhaust will heat up and adversely affect the unit's ability to cool. In some cases, it may be advisable to install a vent fan to dissipate heat within the exhaust area on the backside of the unit. However, you must have a fresh air inlet as well. If your unit requires ducting, please contact WhisperKOOL Customer Service to obtain a specially designed ducting accessory kit for the XLT unit (see page 29). Using any other ducting system voids warranty.

Ambient Temperature Factor

The cooling system has the ability to cool a maximum of 30°F below the ambient temperature in the room it is exhausting to. Therefore you want to exhaust the unit in a room which will not exceed 85°F. Otherwise the unit will not have the capacity to keep the wine at a desirable 55°F



Sizing the Unit to the Room

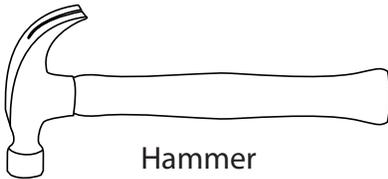
MODEL	AMPS (starting)	AMPS (running)	PRODUCT DIMENSIONS (H x W x D)	ROOM SIZE (cubic feet)
WK 1600	28.32	4.5	15.75" x 14.25" x 17"	300
WK 3000	30.00	6	15.75" x 14.25" x 17"	650
WK 4200	32.00	9	15.75" x 14.25" x 17"	1000
WK 6000	36.00	9.5	22.5" x 14.25" x 21.25"	1500
WK 8000	36.00	10	22.5" x 14.25" x 21.25"	2000

Cutting the Hole for the WhisperKOOL Unit

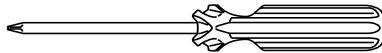
Tools Needed



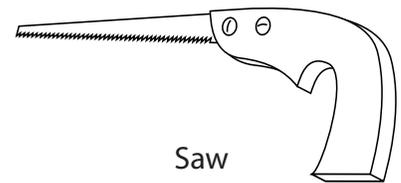
Level



Hammer

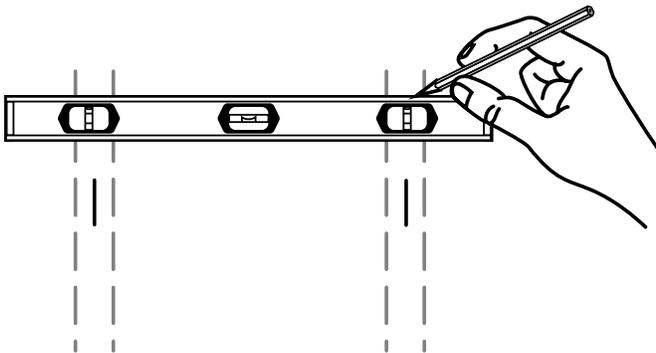


Screwdriver



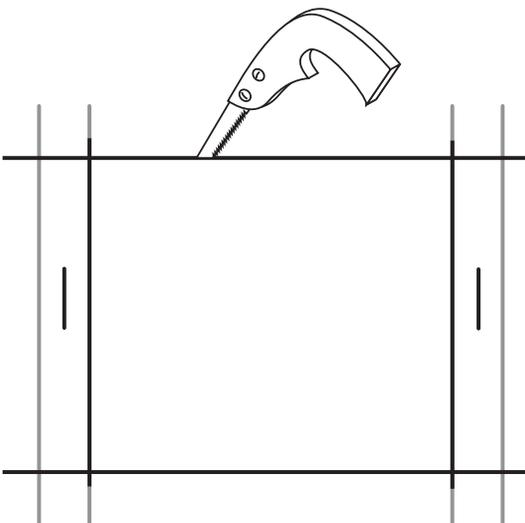
Saw

Locate the desired installation location. Using a stud finder, locate two adjacent studs in the walls, and mark them with vertical lines.



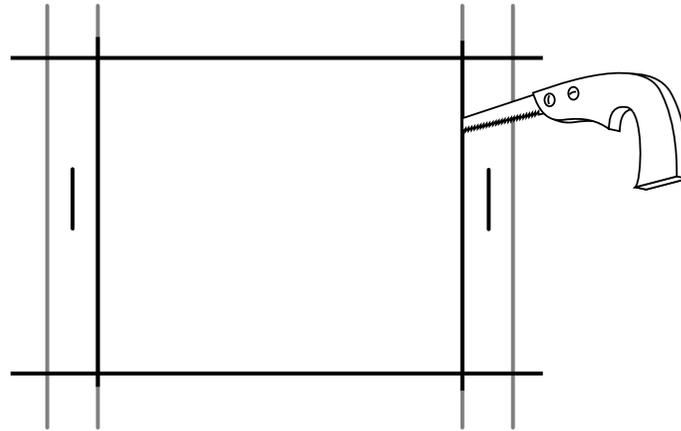
Mark the horizontal lines with a level

- Using a saw, cut along the uppermost horizontal line until your saw reaches the stud. Turn the saw around, inserting it into the cut you have just made, and cut toward the opposite stud so that you have a clean horizontal cut between the two studs. Be careful not to cut into the studs themselves. Now make the second horizontal cut from stud to stud on the line 16 inches below the first cut (22.75" for the 6000 and 8000 models).



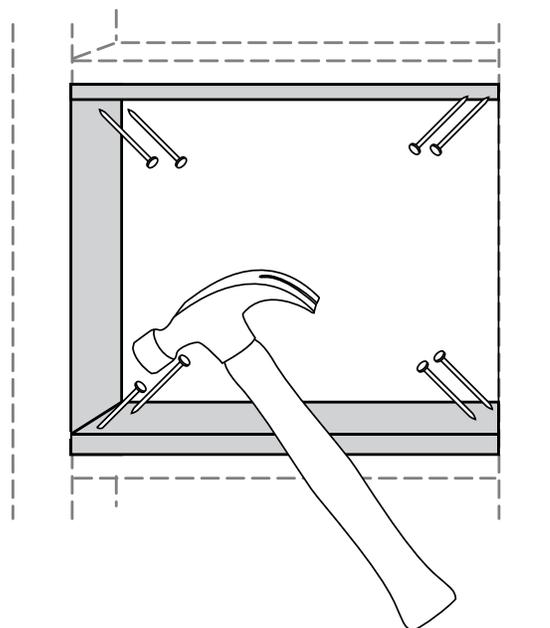
Cut horizontal lines from stud to stud.

- Once the horizontal lines have been cut, make vertical cuts using the inside edge of the studs as a guide. Once you have made both vertical cuts, you should have a rectangular hole in the sheetrock. Now you have to make the same hole on the other side of the wall. Since you already have one hole, this is an easy process. Using a nail, mark all four corners of the first hole by making nail holes through the sheetrock. Then on the other side of the wall, connect the holes with a pencil mark and cut.



Cut vertical lines along the inside edge of the studs.

- Sheetrock alone cannot support the weight of a 65-pound (or more) cooling system. Therefore, it is necessary to frame the hole that you have just cut with upper and lower supports. Using two two-by-fours 14.5 inches in length and eight 6d nails, secure the upper and lower supports to the right and left studs, just inside the sheetrock. Make sure that the internal height remains at 16" for the 1600, 3000 and 4200 models and 22.75" for the 6000 and 8000 models so that the WhisperKOOL system will fit snugly through the framed cut-out.



Frame the hole with two-by-four supports

INSTALLATION

Electrical Needs

The WhisperKOOL System requires a dedicated 110-volt 20-amp circuit. The unit draws a large amount of amps at initial start up. By designating a dedicated circuit breaker, you will guarantee the unit has enough power to run effectively. Contact your electrician for installation of this dedicated electrical circuit.

Electrical Outlet

The unit is equipped with two electrical outlets, one for installation inside the cellar and the other for installation outside the cellar. The outlet on the inside is covered and has been secured with screws. Regardless of which side is utilized, the other outlet must then be covered in order to avoid a live electrical charge.

XLT units, built after June 2007, come equipped with a 3-position ON/OFF power switch. The upper position activates power from the cellar side outlet located on the side of unit. The bottom position activates power from the rear position outlet. The center position is OFF and is simply used when the owner does not need to utilize the equipment.

Purchase a surge protector or power conditioner to plug your WhisperKOOL unit into. As with any sensitive electrical equipment, the WhisperKOOL unit's circuitry may be damaged by power surges and spikes. Power surges and spikes are not covered by the WhisperKOOL warranty.



Do not use a Ground Fault Interrupter (GFI) with this product. The cooling unit will draw more amperage than the GFI will allow.



Upon plugging the unit in and turning it on, there will be a five minute delay before the unit starts. This is based on the function of the thermostat.

Sizing Unit to Room

The specification chart will provide information on the unit's room size cooling capacity. There are circumstances in which a cellar design may require a larger unit due to some existing design restrictions. In such a case, we recommend that the customer consider purchasing a unit with a larger capacity to compensate for the design limitations. Issues such as glass doors, concrete walls and floors may seem adequate but do not offer the insulation capacity required to maintain the optimum environment.

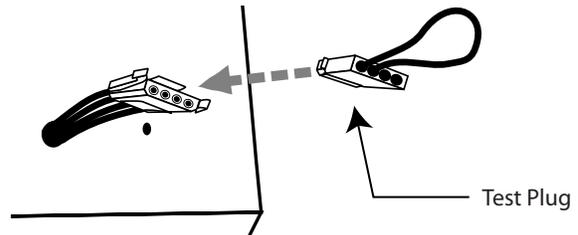
MODEL	AMPS (starting)	AMPS (running)	PRODUCT DIMENSIONS (H x W x D)	ROOM SIZE (cubic feet)
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WK 6000	36.00	9.5	22.5" x 14.25" x 21.25"	1500
WK 8000	36.00	10	22.5" x 14.25" x 21.25"	2000

Carefully remove your WhisperKOOL unit from the box. Do not destroy your packing material, as it provides the only safe means of transporting the unit. Units weigh 65–100 pounds and are cumbersome for one person to carry. We recommend that you get someone else to help you during the installation process.

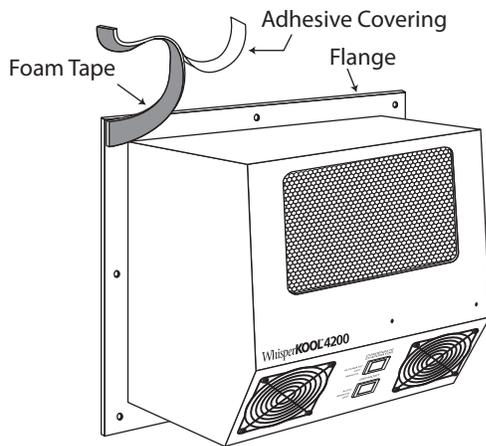
Testing Unit

Place the WhisperKOOL system on a tabletop to prepare it for installation and testing. Locate the by-pass plug and insert it into the thermostat plug, located on the front of the WhisperKOOL System. Next, plug the system into a live electrical outlet and turn the unit on. The system should begin cooling. The system may take up to 10 to 15 minutes before running cool. Once the operation has been tested, turn the unit off, unplug the unit from the electrical outlet, remove the by-pass plug, and install thermostat.

Note: If the system does not seem to be running cool after 15 minutes, please refer to the Troubleshooting Guide on page 19.



Before installation, use the by-pass test plug to test the unit.



Attach precut foam tape to the unit's flange.

Applying Insulation Tape

Locate the four precut pieces of black foam tape included with your system. There should be two larger pieces and two smaller pieces. Start with the large pieces. Peel back the white-paper adhesive covering, and attach the large pieces to the sides of the unit flange. Then follow with the two smaller pieces on the top and bottom. This foam creates a tight seal between the unit's flange and the wall (see illustration).

Note: Failure to install foam strips may void the warranty.

Liquid Measuring Thermostat System

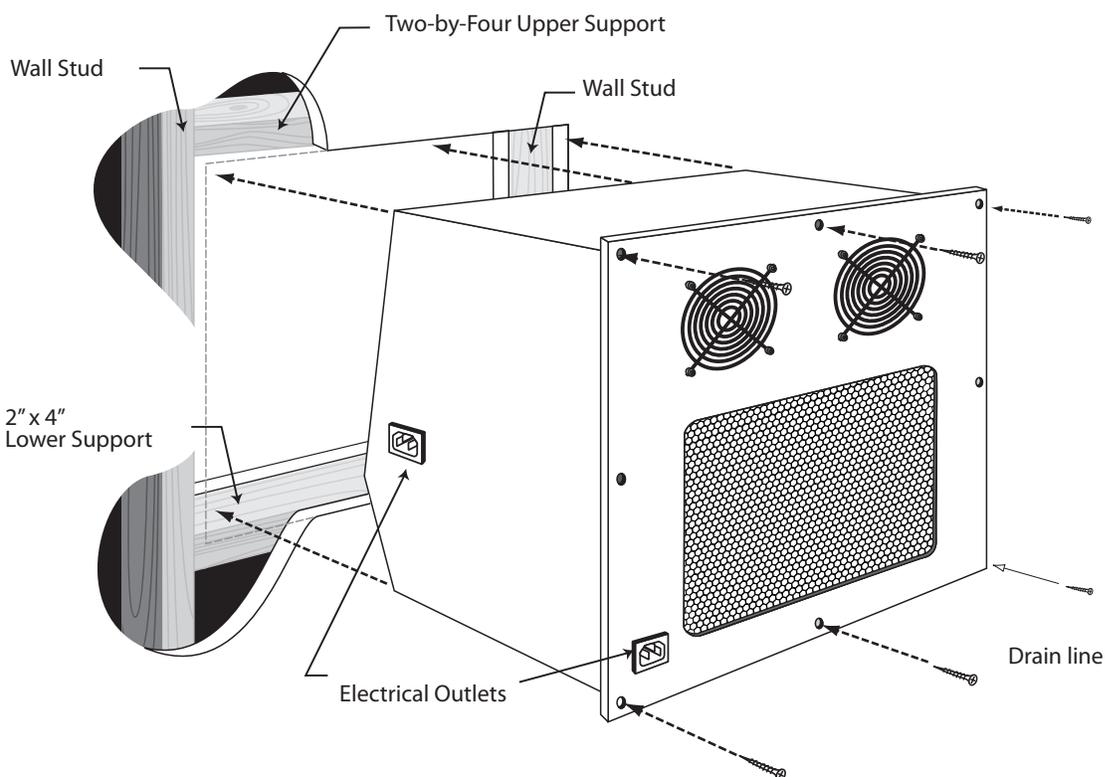
To assure a consistent temperature, place bottle probe approximately 3 feet away from the air output and not in the flow of the air.

Placement of Unit

Slide the unit from the outside wall into your wine cellar with the outer flange flush to the outside wall. Secure the flange to the wall through the predrilled holes. The screws should penetrate the studs as well as the upper and lower supports to provide adequate support for the WhisperKOOL System (see illustration). Seal all cracks and gaps around the WhisperKOOL unit with caulking to prevent air leakage. **(If you use molding, it should be attached to the walls, never to the WhisperKOOL unit itself.)**

Electrical Outlet

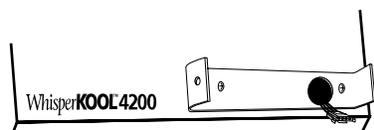
The unit is equipped with two electrical outlets, one for installation inside the cellar and the other for installation outside the cellar. Both outlets are initially covered and secured with screws. Select the outlet to be used and remove that cover; the unused outlet must remain covered to avoid live electrical charge. Remove side electrical outlet cover for easy through the wall installation. Immediately replace cover when install is completed and prior to powering up unit if electrical cord is not attached to outlet.



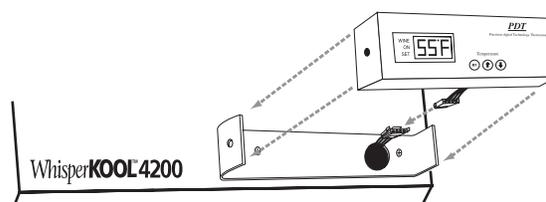
Slide unit, outside-in, into your cellar, and secure all screws firmly to the studs and supports.

Installing Thermostat

Attach the thermostat to the front of the unit using the mounting bracket. Make sure the black male plastic plug from the unit is securely fitted into the female plug located on the circuit board of the thermostat. To complete the installation, insert the small black screws into each side of the thermostat PDT/PDT Jr. securing it to the mounting bracket. Insert the probe into a wine bottle 3/4 full of water.



Attach the PDT mounting bracket.



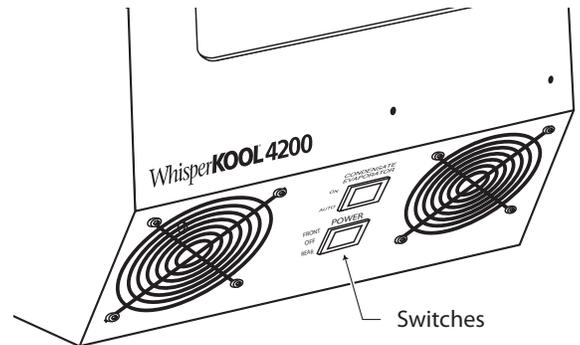
Attach the PDT to the mounting bracket.

USING THE WHISPERKOOL SYSTEM

Power Switch

XLT units, built after June 2007, come equipped with a 3-position ON/OFF power switch. The upper position activates power from the cellar side outlet located on the side of unit. The bottom position activates power from the rear position outlet. The center position is OFF and is simply used when the owner does not need to utilize the equipment.

NOTE; (It will take five minutes before the unit begins to operate once the switch is placed in the "On" position. This is due to the designed safety delay in the PDT thermostat.)



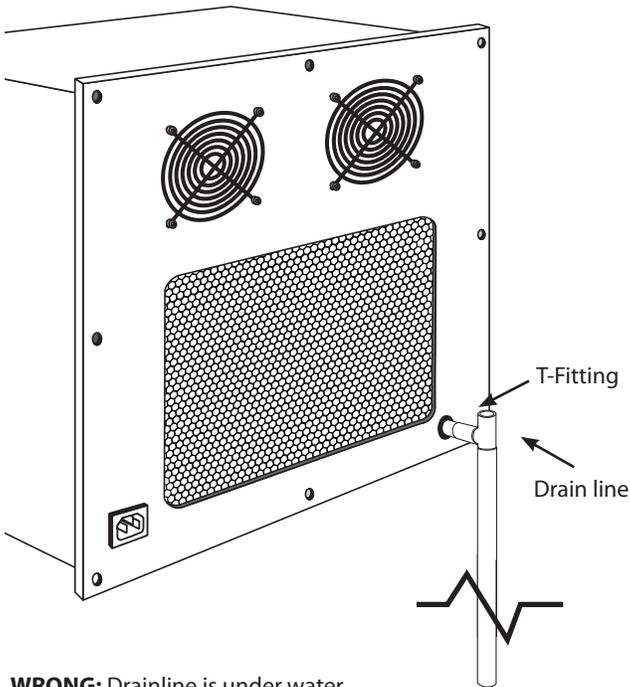
Location of control switches

Condensate Evaporator Switch

The Condensate Evaporator is a heating element that automatically evaporates excess condensate that accumulates in the cooling system as a by-product of refrigeration. Only the WhisperKOOL units are equipped with sophisticated heating elements that automatically sense the presence of water and work continually until the water is gone. Setting the Condensate Evaporator to the "On" setting causes the heating element and the right exhaust fan to stay on continuously to prevent excess condensation from building up in the unit.

Drain Line

All units come with a drain line for additional removal of excessive condensate. This is a back up system to the Condensate Evaporator. It is mandatory to install the drain line attachment. During operation, the cooling unit will strip excess water from the air in order to maintain the proper level of humidity within the cellar. The Condensate Evaporator will heat and dissipate the excess moisture through the rear of the unit. However in extreme humidity, additional condensate will be created. Conversely the high humidity air has less capacity to absorb additional moisture through the exhaust of the unit. Thus the drain line will prevent overflow and leaking by allowing for discharge of the additional condensate. WhisperKOOL carries a condensate pump kit, which allows the excess condensate to be pumped up to 20 ft. away from the unit. See page 29 for details.



WRONG: Drainline is under water.



Failure to install the drain line voids warranty.



To prevent mold from growing, allow the drainline to hang above the water line.

LIQUID MEASURING THERMOSTAT SYSTEM

All WhisperKOOL units come equipped with our **Precision Digital Technology** (PDT/PDT JR) liquid temperature measuring thermostat system. This system incorporates the following advantages:

1. **Self-Calibrating Probe:** The probe contains a sensor chip, which actually communicates back and forth to the thermostat. This results in a consistent temperature setting and accuracy. Do not remove the tip from the probe!
2. **Built in Defrost Cycle:** The unit is designed to shut off for five minutes every ninety minutes in order to prevent frost build up. This allows the cooling unit to continue to cool effectively in demanding environments. A count down timer is observed by depressing the center button on the thermostat. (PDT upgrade version only)
3. **Heavy-duty Circuitry:** The circuitry within this new unit has been upgraded to resist power surges, which play havoc on electrical components. This improvement will ensure years of trouble-free use. However, for high reliability, we still recommend that the customer install a surge protector for the unit itself.
4. **Fahrenheit and Celsius Readout** (PDT upgrade version only): The thermostat has the ability to produce the readout in both Fahrenheit and Celsius for overseas customers. The readout can be changed by depressing both the center and right buttons at the same time.

Measuring liquid temperature has a few unique advantages:

1. Wine temperature is kept in a very precise controlled environment. This assures a consistent temperature.
2. By measuring the liquid temperature rather than air, the unit will operate 75- 80% of the time. See page 2.

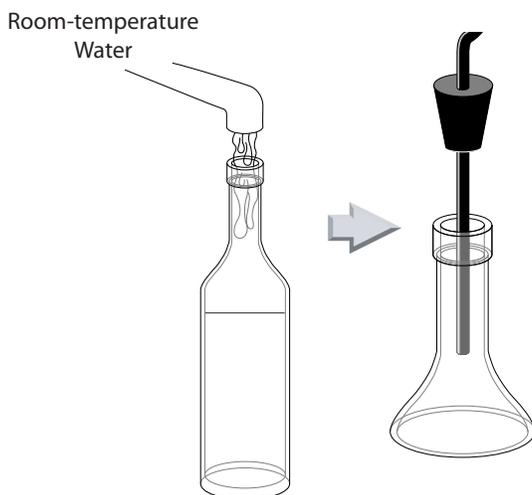
To Use the thermostat:

1. Locate an empty wine bottle.
2. Fill 3/4 full with room temperature tap water.
3. Place bottle probe securely into bottle.
4. Place bottle with probe in a central location of your wine cellar.

Avoid pulling too much on the probe cord. It may become disconnected resulting in non operation of the unit.

Note: Thermostat can be set between 50°F and 76°F.

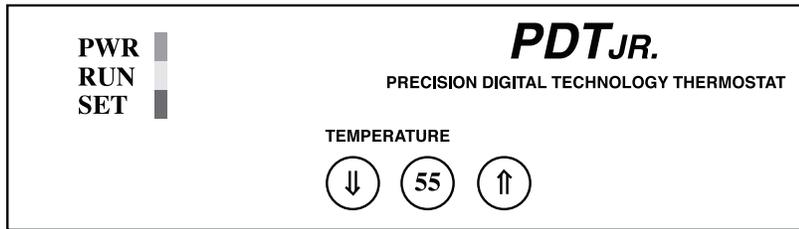
Remember: The WhisperKOOL System is **based on the temperature of the wine**. Do not be misled by thermostats reading air temperature. The air temperature in the cellar will be cooler than the liquid temperature of the wine while it is coming to optimum balanced temperature.



Fill an empty bottle with room-temperature water; then insert the probe.

PDT JR OPERATING INSTRUCTIONS

Operating Instructions for WhisperKOOL PDT JR. Thermostat



Indicators

There are three colored lights on the left side of the thermostat:

- **PWR** (Green) – When this light is on, the unit is powered.
- **RUN** (Yellow) – When this light is on, the compressor is running. If the light is flashing, the unit is currently in the five-minute lockout.
- **SET** (Red) – This light flashes when the set-point temperature is changed by pressing one of the three control buttons (see below). It flashes once for each press of the (↑) or (↓) button, and twice when the **55** button is pressed.

When the unit is first turned on, all three lights flash slowly while the thermostat starts up. Once the unit completes its start-up check, the compressor is locked out for five minutes. During this time the **RUN** light will be flashing slowly (1 flash per second). All three lights will flash rapidly if there is no probe connected to the thermostat.

Buttons

To change the set-point temperature, press either the (↑), (↓), OR (**55**) buttons. The SET light will flash once for each 1°F the set-point is changed. This set-point will remain in memory until you change it.

If you forget where the unit is set, pressing the (**55**) button will reset the set-point to 55°F and the SET light will flash twice. The temperature cannot be adjusted below 50°F or above 76°F. Attempting to set the unit outside this range will cause the **SET** light to rapidly flash.

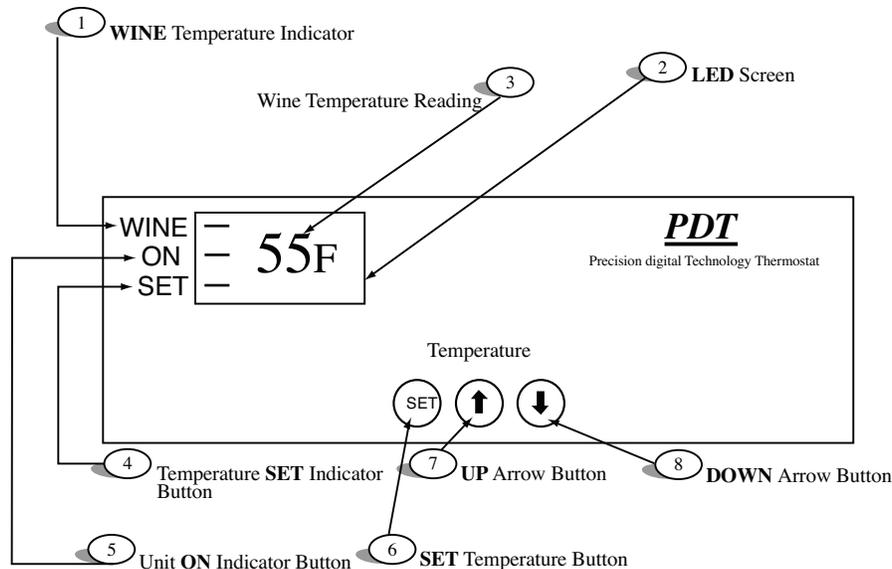
Operation

Whenever the compressor shuts off normally, a five-minute lockout period begins and the **RUN** light will be flashing slowly (1 flash per second).

If the compressor runs for 90 continuous minutes, a five-minute defrost cycle is forced, during which time the compressor will not run. During this defrost cycle the **RUN** light will be flashing rapidly (2.5 flashes per second).

PDT OPERATING INSTRUCTIONS

The unit is set at 55°F at the factory. To raise or lower the set temperature, press the set button while at the same time pressing either the arrow up or arrow down button.



1. **Wine Temperature Indicator:** A red LED bar will light up when the thermostat is reading the liquid temperature in the bottle via the probe. This will remain lit and the temperature you see displayed is what the probe is reading.
2. **LED Screen:** Displays your thermostat readings.
3. **Wine Temperature Reading:** The temperature the water bottle is registering to the thermostat.
4. **Temperature SET Indicator:** A red LED bar will light up when you are setting the temperature.
5. **Unit ON Indicator:** A red LED bar will light up every time the unit turns on to run a cooling cycle.
6. **SET Button:** Used to set the temperature you want the unit to maintain.
7. **UP Arrow Button:** Used with the SET button to set temperature higher. In addition, by pressing and holding the button it will allow you to see the 5-minute count down.
8. **DOWN Arrow Button:** Used with the SET button to set temperature lower.

Up and Down Arrow Buttons used simultaneously will change the temperature read out from Fahrenheit to Celsius

NORMAL OPERATION

WhisperKOOL systems are designed to maintain both temperature and humidity. **Once the system is installed and the temperature set, it will run continuously until the wine cellar is at your set wine temperature.** This may be as long as three weeks, depending on the size of the room, the quality (R-value) of insulation, the original temperature of the wine, and the number of bottles residing in the cellar. Once the cellar has achieved the set temperature, the WhisperKOOL unit will cycle to maintain $\pm 1^{\circ}\text{F}$ of your set temperature.

Note: Defrost Cycle will turn off the unit for 5 minutes every 90 minutes to allow any accumulated frost to dissolve.

The WhisperKOOL system will run more often than a refrigerator or air conditioner, due to its gentle cooling and humidity maintenance.

People often make the mistake of comparing the performance of refrigerators with the performance and cycling of wine storage equipment. Wine cellar cooling systems are highly specialized and designed for one purpose only—long term storage of wine.

Maintenance

The following maintenance should be performed on your WhisperKOOL unit at least once every six months to promote longevity and optimal performance.

Vacuum the WhisperKOOL unit to clean the evaporator and condenser coils to prevent air blockage. The condenser coils reside behind the grill on the back of the WhisperKOOL unit. **Don't try to open the unit yourself.** Just vacuum the surface of the grill and remove any lint or dust that has accumulated.

Humidity Control

There are no separate switches in order to maintain humidity. The cooling unit is designed to maintain relative humidity at 50-70%.

The WhisperKOOL units do not create humidity. If you live in a dry area of the country you may need to create humidity in the wine cellar. This can be done by introducing a non-heat humidifier, or installing a small fountain within the cellar.

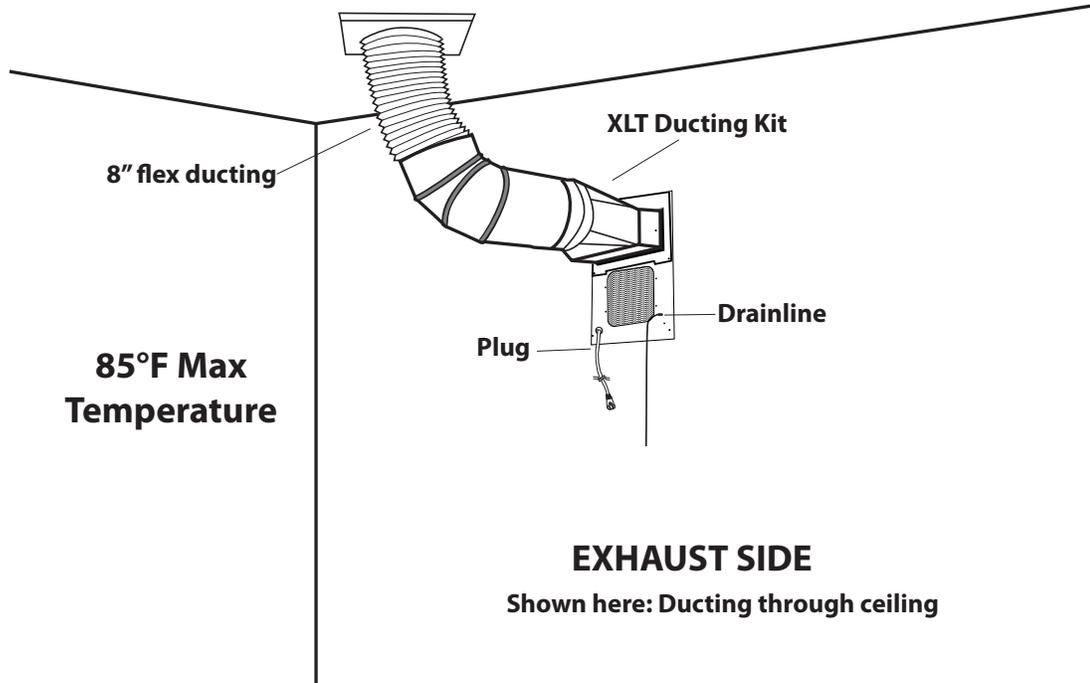
MAINTENANCE SCHEDULE

It is the user's responsibility to remove any accumulated dust, lint, or other debris from the front and rear intake grilles. This will restrict the airflow and may affect the unit's ability to function properly. Periodically cleaning the unit's vents will help assure maximum cooling efficiency. The drain tube must also be checked and kept clean and free of debris and mold to maintain proper performance.

Monthly	<ol style="list-style-type: none">1. Check for unusual noise or vibration2. Check the drainline to see if it is above the waterline if draining into a vessel.
Quarterly	<ol style="list-style-type: none">1. Clean front and rear intake grilles.
Annually	<ol style="list-style-type: none">1. Use a vacuum with brush attachment to clean grilles.2. Inspect for corrosion.3. Check wiring connections and integrity of cords.4. Pour a 50/50 bleach solution into the drainline every spring.

DUCTING

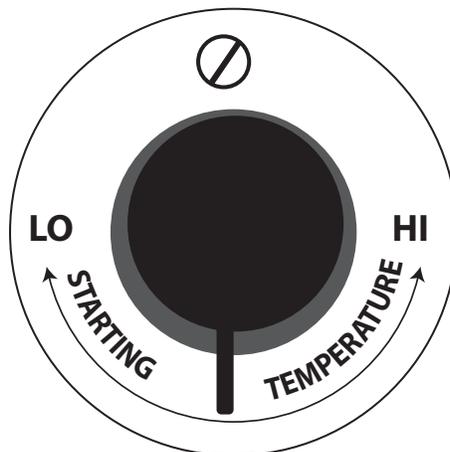
A WhisperKOOL XLT ducting kit is available for purchase. The kit allows the warm air to exhaust to several places such as an attic, an adjacent room, or outside. The goal is to get the warm exhaust air away from the rear intake of the unit. **The customer will need to purchase 8" flex ducting, along with any hangers needed to run the ducting outside.** See page 29 for more information on purchasing a XLT ducting kit.



Using the Thermostat Controller

The in-line fan will turn on and push warm exhaust air away from the WhisperKOOL® unit, preventing the unit from overheating. The in-line fan is capable of moving warm air through 25 feet of 8" flex ducting (not included). The in-line fan can be set to automatically turn on at varying temperatures in order to conserve the most electricity.

Setting the Thermostat Controller to its lowest setting will turn the fan on at lower temperatures (Around 70° F). Setting the Thermostat Controller to its highest setting will turn the fan on at higher temperatures (Around 100° F). If the unit isn't cooling properly, setting the thermostat controller to a lower setting may fix the problem.



TROUBLESHOOTING GUIDE

Before contacting Customer Service regarding a performance issue with your cooling unit (does not cool, leaks, ices up, etc.), please review the following troubleshooting information and complete the Troubleshooting Checklist found on page 24. It is designed to help you identify the issue yourself and provide appropriate advice to remedy the issue or problem.

If you are unable to identify or solve the issue after completing and following these steps, fax a completed Troubleshooting Checklist to WhisperKOOL Customer Service at 1(209) 466-9606. The checklist will provide Customer Service with background information on your cooling unit installation and wine cellar to better assist you in resolving the issue. Be sure to include accurate contact information.

Problem	Likely Cause	Remedy
The unit does not cool the room	Inadequate door seal	See "Door Seal" section on pg. 20
	Improperly mounted unit	See "Unit Mounting" section on pg. 21
	Unit has inadequate ventilation	See "Airflow" and "Ventilation" sections on pg. 19 & 20
	Foam strips are not attached	See page 11 (in the "Installation" section)
Water leaking from the rear	Condensate Evaporator is not properly set for local climate	See <i>Water Leaking, Rear</i> in the "Condensation" section on pg. 22
	Drain line is not attached	See "Drain line" section on pg. 13
Unit is icing up	Poor Air Flow	See "Thermostat" section on pg. 21
	Unit is low on refrigerant	See "Icing Up" section on pg. 22
	Probe not in bottle	See "Liquid Measuring Thermostat" section on pg. 14
Unit isn't running or makes intermittent clicking noises	Problem with local electrical circuit	See "Power Requirements" section on pg. 22

Try this first!

Clean off any accumulated dust, lint, or other debris from the front and rear intake grills. This will restrict the airflow and may affect the unit's ability to function properly. Periodically cleaning the unit's vents will help assure maximum cooling efficiency.

Airflow

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

Ventilation

Proper ventilation of the WhisperKOOL unit 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, which needs to dissipate away from the unit freely in order to cool correctly. This issue is sometimes overlooked for several reasons:

- 1.) If there is inadequate ventilation on the rear side of the unit, this will result in further heat buildup and will cause it to recirculate the hot air near the ceiling on the exhaust side of the unit, therefore limiting the ability to cool the room
- 2.) Even though the space may seem to be adequate, the heat needs to be able to dissipate away from the unit. A lack of ventilation and air circulation will cause the room to become extremely warm.
- 3.) The WhisperKOOL unit is designed to cool 30°F cooler than the ambient temperature of the room it is exhausting the hot air to (rear side of unit). This means that in order to maintain an optimum temperature of 55°F, the temperature on the exhaust side of the WhisperKOOL unit cannot be more than 85°F.

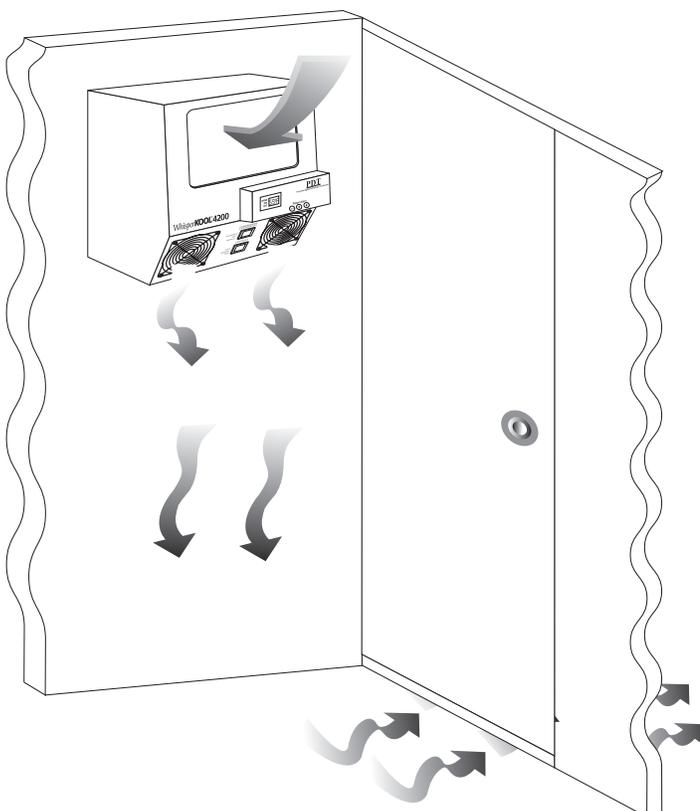
In order to determine if ventilation may be the problem, try the following tests listed on page 26.

If the exhaust area is confined, (for example, if the unit vents into a crawlspace), then as the temperature outside the unit rises, the WhisperKOOL unit must expend more energy (and will generate more heat) in order to maintain a cool temperature inside the room. Eventually, the unit cannot keep up and the temperature inside the cellar climbs.

To solve the problem, make sure that the WhisperKOOL vents into a space where heat cannot build up or use XLT Duct Kit to remove heat build up.



Air flows on both sides of the wall.



Door Seal

A high quality door with a proper seal is another important aspect of a well-designed cellar. If there is a gap between the bottom of the door and the floor, the cool air will sink and flow out beneath the door. While the release of the cool air may be subtle, it will require the WhisperKOOL unit to continue to operate without achieving the desired results. Use good-quality weatherstripping and seals around the cellar door to prevent cool air leakage. For more details, see *Preparing the Wine Cellar, "Door"* on page 6.

Cool air drops and exits beneath door.

Unit Mounting

Mounting the unit in the cellar has a significant impact on the unit's ability to cool the air in the room. A law of nature states that warm air rises while cool air falls. The unit must be mounted high in the room in order to capture the warm air and replace with cool air. If the unit is mounted low in the cellar, it has a tendency to circulate the cool air at the bottom of the cellar but has no ability to draw the warm air from the higher space in the cellar. This will result in an inconsistent temperature range.

Thermostat

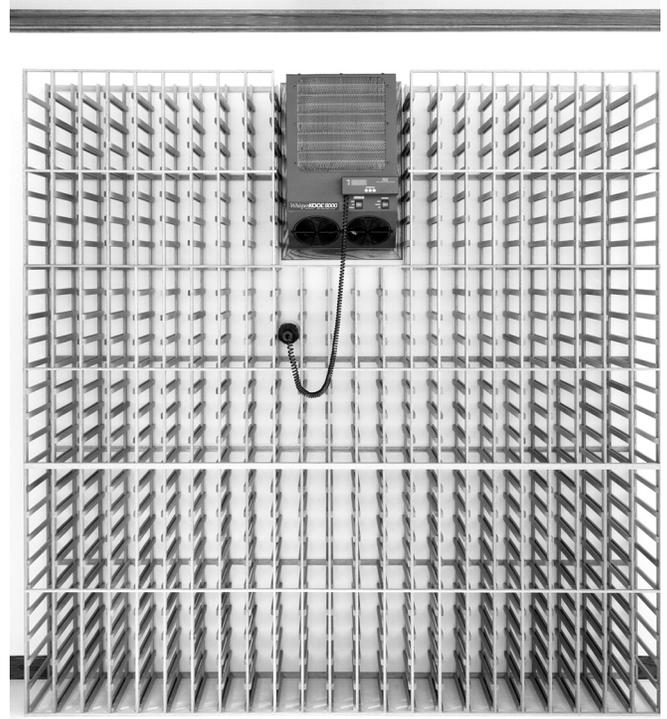
If the WhisperKOOL unit is not cooling the room, it might be due to a faulty thermostat. Use the following procedure to test the thermostat. Each unit has a bypass plug included with the instruction guide. The bypass plug is used to help troubleshoot the cabinet when it is not cooling correctly. It allows you to determine whether the problem lies within the thermostat or the cooling unit itself. The process of using this plug is as follows:

- 1.) Unplug the WhisperKOOL unit.
- 2.) The PDT thermostat is attached to the front of the WhisperKOOL unit with two screws, one at each end of the thermostat. Remove the screws and detach the PDT.
- 3.) Unplug the PDT from the main unit, and plug in the by-pass plug. The by-pass plug allows you run the WhisperKOOL without having the thermostat installed.
- 4.) Plug the WhisperKOOL unit back in. The unit will begin running and cooling immediately. Let the unit run for 24 hours.
- 5.) After 24 hours, use an accurate thermometer (preferably a high-quality digital thermometer) to measure the temperature of air coming out of the WhisperKOOL unit's front fans. If it is cooling the room, then the problem may lie with the thermostat.

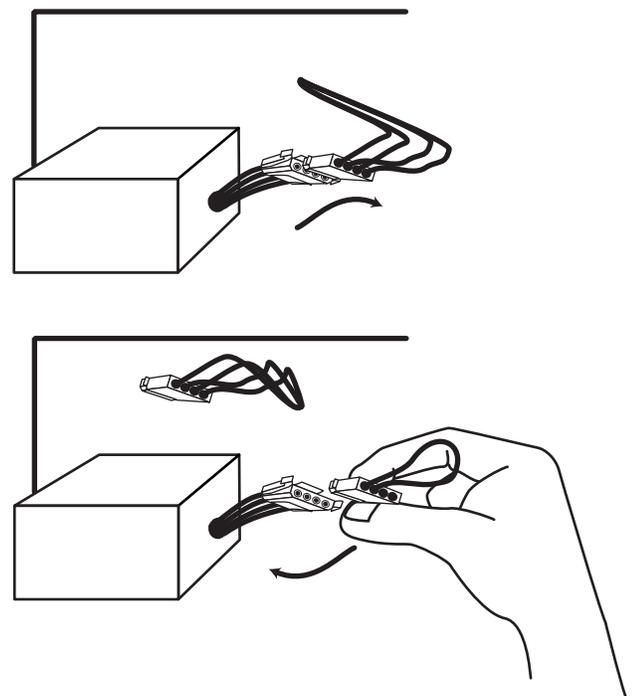
If the WhisperKOOL unit cools the room without the PDT installed, then the thermostat should be replaced. The by-pass plug will allow the WhisperKOOL unit to continue to function, but it will not be able to monitor or maintain the correct temperature automatically without the thermostat.

The unit should be ran for 24hr. If you continue to run the WhisperKOOL you will need to turn off the WhisperKOOL unit periodically to keep it from icing up. We recommend cycling the unit on and off every eight hours if possible or as needed. It is recommended to run during the day and turn off at night.

For replacement of the PDT, please contact Customer Service. See Warranty Service on page 30.



Mount WhisperKOOL high in the room.



Condensation

Water Leaking, Front

The WhisperKOOL product is designed to dissipate excessive moisture by collecting it in the compressor pan and using a heating element to remove condensation. Operating the WhisperKOOL in excessively humid conditions can cause the unit to accumulate more condensation (water) than the unit can dissipate while operating, resulting in leakage. In order to resolve this issue, the unit is designed with both a Condensate Evaporator control switch and an external drain line (see page 13). The Condensate Evaporator switch will allow you to operate the heating element continuously whether the unit is operating or not. (See Condensate Evaporator on page 13.)

Icing Up

Icing up can occur if the airflow through the coil is limited or obstructed by any type of cover or obstruction, such as racking & bottles in front of unit. In the unlikely event that your WhisperKOOL unit is icing up in front, unplug the unit for 24 to 36 hours and allow the ice to melt away (collect liquid in pan to avoid damaging racks). Check to see if bottle probe is securely in the bottle. Plug the unit back in and **test on the by-pass plug for 24 hours** (refer to page 21 and 26). Clean the front and back coils before retesting. Within the 24 hour period the unit should not develop ice and should be generating cold air. If the unit is functioning properly when on by-pass, the icing may have been a result of a faulty thermostat (see page 21). If while on by-pass, the unit continues to form ice, first check that all 4 fans are working. Secondly, check to see if the unit is blowing cold air. If the air is cool to lukewarm, but not cold, the unit requires further service. Do not allow your unit to continue running if ice appears on your coil. This can create warm air to be released from unit.

Please contact Customer Service for assistance and guidelines. Before contacting Customer Service, see pages 24-28.

Power Requirements

When the WhisperKOOL starts to operate, it draws several times more power (amps) during the start-up cycle than it does during normal operation. Make sure you have the WhisperKOOL on a dedicated electrical line at a minimum of 20 amps. See the Product Information Table on page 10 to find the correct amperage requirement for your unit. Make sure that the power line for the WhisperKOOL does not have any additional equipment installed on that circuit. An extra load on the line may be drawing power away from the WhisperKOOL unit. In some cases it may not be readily apparent that an additional appliance or electrical device has been installed on the circuit breaker. In addition, the unit may not be used on an electrical line with a Ground Fault Interrupter (GFI). The WhisperKOOL will draw more amperage than the GFI will allow with the exception of the ducting kit.

Drainline

Daily use of your Wine Cellar Cooling System can cause debris to clog the condensation line. When your unit's condensation line becomes clogged, it can cause the condensation to back up into your unit and your cellar. It is recommended to replace a clogged drainline.

Repairing Units - Removing Rivets

Only a certified HVAC tech should work on the units. We do not want owners opening the units for their own safety.

1. Unplug the WhisperKOOL unit.
2. Remove the WhisperKOOL unit from the wall mounting and set it on a sturdy workbench.
3. Drill out the rivets on the top panel that hold the case together, using a 5/32 (size) drill bit. This will destroy the rivets.
4. Remove the top off of unit, and carefully remove the insulation (if any) from the top.
5. When replacing the panel, you can use rivets or small metal 6-32 3/8" Phillips Pan Head Screws. It is recommended to locate any necessary parts at your local hardware store prior to the service.

Consumer Care Program

The Consumer Care Program is designed to expedite the shipment of a replacement unit to your location quickly in order to get your cellar cooling again.

This program involves contacting our Customer Service department to purchase a replacement unit as the quickest solution. The unit is tested in our controlled environment and is ready for immediate use.

Complete details of our program including pricing are available by contacting our Customer Service department.



TROUBLESHOOTING CHECKLIST

Please fill out this checklist to help identify the issue or problem with the performance of the cooling unit. If you still require technical assistance, fax a copy of this Troubleshooting Checklist to WhisperKOOL Customer Service at 209.466.4606. Be sure to include accurate contact information. A downloadable version is available at www.whisperkool.com/pages/Troubleshooting-.html

Customer Name: _____ Phone: _____

Email address: _____

Unit model: _____ Serial Number: A _____

General Inspection

Unit Installation

- 1) Is the unit installed in the correct direction, with front side of unit in wine cellar and back side in exhaust room/space? Refer to page 12 of the owner's manual. Yes No
- 2) Is the unit mounted within 18" from ceiling to allow proper air circulation? Refer to page 6 of the owner's manual. Yes No

Wine Cellar

- 3) Is the cellar door sealed properly? To check, make sure cellar door is closed and lights are turned off within cellar; light from outside should not be visible through any of the four sides around the door. Yes No
- 4) Are there any glass windows and/or glass doors in the cellar? Yes No
- 5) What is the R value of the walls? _____ What is the cellar room size? _____
- 6) Are any of the cellar walls in the direct path of the sun? Yes No
- 7) Are any of the walls on an exterior wall? Yes No
- 8) Is there foam attached to the ange of the Whisperkool unit? See page 11 of the owner's manual. Yes No

General Ventilation

- 9) Is there at least 3' of unobstructed clearance for the fans and grills on the unit? Obstructions to the air ow greatly reduce the effectiveness of the unit's ability to cool the cellar. Refer to page 7 of the owner's manual. Yes No
- 10) Are there any decorative plates/covers on the unit? If so, remove them. They obstruct airflow to and from the vents. Refer to page 6 of the owner's manual. Yes No
- 11) Is the unit on top of, in, or surrounded by shelving? Nearby at surfaces, such as shelving, may obstruct air circulation and ventilation. Yes No
- 12) Are all four fans in the unit operating? (Two are in the front, and two are in the back.) Yes No

Exhaust Room/Space Ventilation:

- 13) Into what kind of room/space is the unit exhausting? To Outside Crawl Space Utility Space
- 14) Is the exhaust room/space as large as or larger than the cellar? Yes No
- 15) Is the exhaust room/space warm? Yes No
- 16) What is the temperature? _____ Yes No
- 17) Is there any ventilation into and out of the exhaust room/space? Please describe. Refer to page 7 of the owner's manual. Yes No
- 18) Have the coils in the front and back of the Whisperkool unit been vacuumed? Yes No

Specific Performance Issues:

Unit is Not Cooling Sufficiently or Not Cooling at All:

- 19) On a thermostat with digital readout, what is the set temperature? To check, hold down the "SET" button on the thermostat to see the set temperature. Refer to page 15 - 16 of the owner's manual. Yes No
- 20) What is the actual temperature of the cellar? Yes No
* To check air temperature, use a digital thermostat which can be purchased at any hardware store under kitchen supplies.
- 21) On a thermostat with digital readout, does the thermostat display two horizontal dashes or the letters "PRB"? (This indicates a problem with the thermostat.) Yes No
- 22) Is the probe inserted into a bottle of water? Refer to page 14 of the owner's manual. Yes No

Water is Leaking from the Unit:

All units come with a drain line for additional removal of excess condensate, as a back up system to the Condensate Evaporator which is used to maintain proper humidity. It is critical to install the drain line attachment for the unit to function effectively, preventing overflows and leaks from build up of condensate. See page 13.

Failure to install drain line will void warranty.

- 23) Is the unit level? Yes No
- 24) Is the drain line attached? Yes No
- 25) Is the unit leaking from the back? Yes No
This is generally due to an improper setting on the condensate evaporator. In high humidity regions, the condensate evaporator should be set to "ON" while other regions should be set to "AUTO". Refer to page 13 of the owner's manual.

Unit is Icing Up:

- 26) Is the unit icing up? Allow the unit to thaw for 24-36 hours and ensure that there is adequate airflow to and from the unit before operating again. Obstructed airflow is a possible reason why units ice up. Make sure coils are clean and the probe is inserted in the bottle. Refer to page 22 of the owner's manual. Yes No

Unit Short Cycles, Clicks Intermittently, Trips Breaker, or does not Run:

- 27) Is there power being supplied to the outlet? To check, test the outlet using a small appliance (hairdryer). Yes No
- 28) Is the unit on a GFI (Ground Fault Interrupter)? The unit should not be run on a GFI. Refer to page 10 of the owner's manual. Yes No
- 29) Does the unit have a dedicated electrical line and 20 amp circuit breaker? To check, examine the breaker box to see if the cellar is on its own circuit. Refer to page 22 of the owner's manual. Yes No
- 30) Are there any large appliances plugged into the same room or in the same area of the building of the cooling unit? Refer to page 22 of the owner's manual. Yes No

TEMPERATURE DIFFERENTIAL TESTING

The purpose of this test is to evaluate whether or not your cooling unit is operating correctly by measuring the temperatures of both the inside of the cellar and the exhaust side of the unit in the adjoining room. The majority of problems found with cooling units result from inadequate ventilation on the exhaust (back) side of the unit; therefore, taking these measurements is critical in ensuring the optimal performance of the product while minimizing costs of operation.

The WhisperKOOL unit is designed to maintain relative humidity between 50-70%, which is accomplished by cooling the cellar slowly. You should anticipate an approximate 10 - 15 degree temperature differential between the inlet air temperature and the outlet air temperature on the evaporator (front) side of the unit

When testing the air temperature, please hold the thermometer in the appropriate location for a full minute before recording temperatures so that the thermometer has stabilized. ***Do not use PDT Probe!***

DO NOT EXCEED 24HRS ON BYPASS PLUG.

Note: Check air temperature, use a digital thermostat which can be purchased at any hardware store under kitchen supplies.

Please refer to the images at the end of the document as a guide to where to measure the temperature of the inlet/outlet air:

FIRST TEMPERATURE TEST:

1. Stabilize the unit by turning it on and letting it run for five minutes before performing the first temperature test.
2. Measure temperature of the inlet air going into the cooling unit on the evaporator (front) side.
3. Measure temperature of the outlet air discharging out of the cooling unit on the evaporator (front) side by holding the thermometer at the outer edge of the circular fan.
4. Record information and calculate temperature differential in table below for the evaporator (front) side section under the first test.
5. On the back side of the unit, measure temperature of the inlet air going into the cooling unit on the condenser (back) side.
6. On the back side of the unit, measure temperature of the outlet air discharging out of the cooling unit on the condenser (back) side by holding the thermometer at the outer edge of the circular fan.
7. Record information and calculate temperature differential in table below for the condenser/back side section under the first test.

SECOND TEMPERATURE TEST:

8. After the unit has run for 8 hours, perform the second temperature test.
9. Record information and calculate temperature differential in table below for the condenser/back side section under the second test.

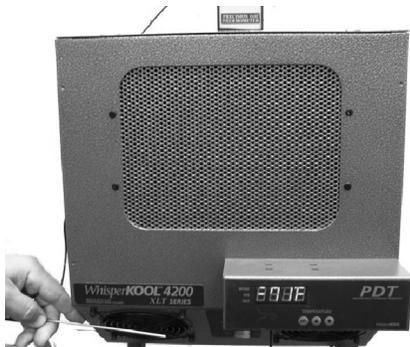
THIRD TEMPERATURE TEST:

10. Once the unit has run for 24 hours, perform the third temperature test.
11. Record information and calculate temperature differential in table below for the condenser/back side section under the second test.

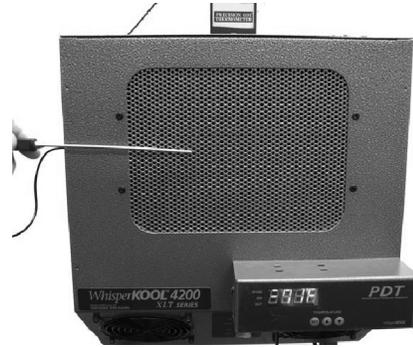
TEMPERATURE DATA FROM TESTING

	Temperature / Test (time)	First (after 5 mins)	Second (after 8 hrs)	Third (after 24 hours)
Evaporator (Front) Side	Inlet Air			
	Outlet Air			
	Differential (Inlet - Outlet = _; ideally 10°F - 15°F)			
Condenser (Back) Side	Inlet Air (Ideally < 85°F)			
	Outlet Air (Ideally < 120°F)			
	Differential (Inlet - Outlet = _; ideally 10°F - 15°F)			

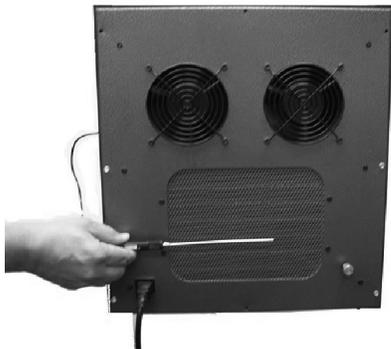
TEMPERATURE TESTING LOCATIONS



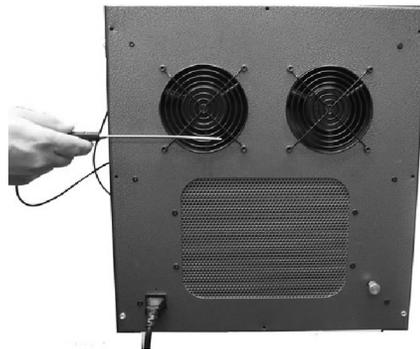
INLET AIR -- Evaporator (Front) Side*



OUTLET AIR -- Evaporator (Front) Side*



INLET AIR -- Condenser (Back) Side*



OUTLET AIR -- Condenser (Back) Side*

***When measuring outlet air temperature on both sides of the unit (from the circular fans), hold the thermostat at the outer edges of one of the circular fans.**

Conclusions

After completing the temperature differential test, determine if the unit is not cooling at all or if it is not cooling enough.

If the unit is not cooling at all, contact WhisperKOOL Customer Service at 800.343.9463. Be sure to have the measurements and results from your Temperature Differential test available.

If the unit is cooling but not cooling fully (with a evaporator differential of 10°F-15°F and a condenser differential of approximately 30°F), it indicates that there is too much heat on the back side of the unit. In this case, you should:

- Check to make sure that there is at least 3' of unobstructed space in front of the fans/vents to allow adequate ventilation. Improper ventilation causes the majority of problems with cooling units.
- On the condenser side, if the inlet air temperature is >90°F and/or the outlet air temperature is >120°F, there is too much heat on the back side of the unit which is preventing it from cooling fully. To remedy this, heat needs to be dissipated away from the unit through an exhaust fan or other means of ventilation on the exhaust side. You can contact Vinox Customer Service to request a ducting flange adapter at no charge to assist in directing heat away from the unit (for warranty units only).
- You might consider installing a WhisperKOOL approved ventilation ducting system for your unit which can be obtained through WhisperKOOL Customer Service.
- Contact WhisperKOOL Customer Service at 800.343.9463. Be sure to have the measurements and results from your Temperature Differential test available.

TECHNICAL ASSISTANCE

WhisperKOOL Customer Service is available Monday through Friday from 8:00 a.m. to 4:00 p.m. Pacific Standard Time.

Please make sure that you have the following information available before you call:

- The model and serial number of your WhisperKOOL unit. The serial number is located behind the thermostat on a silver sticker and starts with letter "A" followed by five numbers.
- Type of thermostat used with your WhisperKOOL.
- Location and installation details, such as ventilation, construction and size of room.
- Photos of installation of unit from 10 to 15 feet away, front and back.
- Completed Troubleshooting Checklist and Temperature Differential Testing form.

How To Contact WhisperKOOL Customer Service

Telephone	(209) 466-9463	(800) 343-9463
Fax	(209) 466-4606	
Website	www.whisperkool.com	
Address	WhisperKOOL 1738 East Alpine Avenue Stockton, CA 95205	

ACCESSORIES FOR COOLING UNITS

WhisperKOOL offers accessories to enhance and customize your XLT wine cooling unit.

XLT Exterior Grille

Protects the XLT systems from the weather elements when placed on the exhaust side.

- Small Exterior Grille (used for XLT 1600, 3000, & 4200)
- Large Exterior Grille (used for XLT 6000 & 8000)

XLT PDT Thermostat

The PDT is equipped with a digital readout that shows the actual liquid temperature reading from the bottle probe. Offered to be purchased separately if a replacement is needed.

Condensate Pump Kit

The condensate pump kit is designed as an automatic condensate removal pump for water dripping out of our cooling units' drain line. The pump is controlled by a float/switch mechanism that turns the pump on when approximately 2-1/4" of water collects in the tank, and automatically switches off when the tank drains to approximately 1-1/4". The condensate pump kit allows the excess condensate to be pumped up to 20ft away from the unit.

XLT Exhaust Duct Kit

This kit allows the warm exhaust air to be ducted to another area. Ideal if the room adjacent to your cellar is not ideal for warm air to be exhausted into.

- Small Exhaust Duct Kit (1600, 3000, 4200)
- Large Exhaust Duct Kit (6000, 8000)

Accessories can be purchase at www.whisperkool.com

INSTALLATION TERMS AND CONDITIONS

WhisperKOOL Cooling System

WHISPERKOOL PRODUCT BASE TERMS

WhisperKOOL Corporation (“WhisperKOOL”) is in the business of manufacturing and selling wine cabinets, cooling units and related goods; each such wine cabinet, cooling unit and related good is referred to herein as a “Product”. As used herein, the term “WhisperKOOL” includes any Product sold under the names WhisperKOOL, Vinotheque and CellarCool. “Purchaser” means the original purchaser of a WhisperKOOL Product. “End User” means the consumer who has installed and is actually using a WhisperKOOL Product. Every sale of a Product from WhisperKOOL to a Purchaser is made subject to these Terms and Conditions of Sale (“Terms and Conditions”).

Product prices are specified in the WhisperKOOL published price list that is current at the time WhisperKOOL receives Purchaser’s particular order. Prices are subject to change at any time prior to WhisperKOOL’s acceptance of Purchaser’s particular order. No contract of sale exists until WhisperKOOL has accepted Purchaser’s order and provided Purchaser with a written acknowledgment of Purchaser’s order. Prices are exclusive of, and Purchaser shall pay, all taxes, duties, levies or fees imposed on WhisperKOOL or Purchaser by any taxing authority related to Purchaser’s order. Payment for a WhisperKOOL Product must be made in lawful money of the United States of America in immediately available funds. WhisperKOOL accepts all major credit cards. WhisperKOOL may change payment terms for unfilled orders if, in WhisperKOOL’s reasonable opinion, Purchaser’s financial condition, previous payment record or relationship with WhisperKOOL merits such change.

All Purchaser orders, whether written or verbal, are governed by these Terms and Conditions and are subject to acceptance by WhisperKOOL. Any term or condition which may be included on any Purchaser’s purchase order, or in any form of communication (whether verbal or in writing) from any Purchaser to WhisperKOOL, that is not identical with these Terms and Conditions, is hereby expressly objected to and rejected by WhisperKOOL, and shall NOT become a part of the contract of sale of any Product. WhisperKOOL’s failure to object to any such conflicting term and/or condition of sale contained in any communication (including a purchase order) from a Purchaser shall not be considered as acceptance of such term and/or condition or as a waiver of these Terms and Conditions. The only language in which WhisperKOOL states these Terms and Conditions is English. WhisperKOOL reserves the right, in its sole discretion, to change these Terms and Conditions at any time, for any reason, without notice. WhisperKOOL shall not be liable to Purchaser for any delay of delivery of a Product caused by Force Majeure, or any other cause beyond WhisperKOOL’s control.

2. WHISPERKOOL PRODUCT LIMITED WARRANTY

A. Two (2) Year Limited Warranty.

For the period of TWO (2) YEARS (the “Limited Warranty Period”) from the date of original sale of a Product by WhisperKOOL, if a WhisperKOOL Product is found to be defective in material or workmanship after undergoing WhisperKOOL’s customer service troubleshooting, then, subject to the WhisperKOOL Product Limited Warranty Limitations and Exclusions as well as the other Terms and Conditions stated herein, WhisperKOOL will do the following, as appropriate, for the end user (“End User”) who has installed and is actually using the Product, with regard to LABOR, PARTS and FREIGHT:

- (1) **LABOR** - repair or replace (at WhisperKOOL’s sole option) the Product at no charge to the End User; and
- (2) **PARTS** – supply, at no charge to the End User, new or rebuilt replacement parts for the Product in exchange for the return of defective parts; and
- (3) **FREIGHT** – cover normal ground freight charges for parts, and, in the event the Product is not repairable in the field, cover normal ground freight charges (within the continental United States) for the repair or replacement of the Product.

B Five (5) Year Compressor Limited Warranty.

The two (2) year limited warranty period stated in Section 2(a) above is extended for an additional three (3) year period with regard to a WhisperKOOL Product’s compressor only. Labor, freight and parts ancillary to the compressor remain subject to the two (2) year limited warranty

C Product Warranty Limitations and Exclusions.

- (1) This limited warranty does not cover cosmetic damage caused during installation, damage due to acts of God, commercial use, accident, misuse, abuse, negligence, or modification to any part of the Product. Delivery and installation of the Product, any additional parts required, as well as removal of the Product if warranty work is required, are all at the sole cost, risk and obligation of the End User.
- (2) This limited warranty does not cover damage due to improper installation or operation or lack of proper maintenance of the Product, connection of the Product to improper voltage supply, or attempted repair of the Product by anyone other than a technician approved by WhisperKOOL to service the Product.
- (3) This limited warranty does not cover any Product sold "AS IS" or "WITH ALL FAULTS."
- (4) This limited warranty is valid only in the continental United States, Alaska and Hawaii. Sales elsewhere (including Puerto Rico) are excluded from this warranty.
- (5) Proof of purchase of the Product in the form of a bill of sale or receipted invoice, which is evidence that the Product is within the Limited Warranty Period, must be presented by the End User to WhisperKOOL in order to obtain limited warranty service.
- (6) This limited warranty is void if the factory applied serial number has been altered or removed from the Product.
- (7) Removing the rivets from the Product's unit housing without prior authorization from WhisperKOOL voids this limited warranty.
- (8) The End User must first contact WhisperKOOL Customer Service by telephone (at 1-800-343-9463) prior to attempting service on any Product still under the limited warranty, else the limited warranty is voided.
- (9) THE REPAIR OR REPLACEMENT OF THE PRODUCT AS PROVIDED UNDER THIS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF YOU, THE END USER, AS WELL AS ANYONE ELSE IN THE CHAIN OF TITLE OF THE PRODUCT, DOES NOT START A NEW LIMITED WARRANTY TIME PERIOD, AND IS IN LIEU OF ALL OTHER WARRANTIES (EXPRESS OR IMPLIED) WITH REGARD TO THE PRODUCT. IN NO EVENT SHALL WHISPERKOOL BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, SPECIAL OR CONTINGENT DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXPRESSLY DISCLAIMED. Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This limited warranty gives you specific legal rights, and you may have other rights, which vary from state to state.
- (10) Failure of the End User to comply with all of the Product Installation Requirements, Maintenance Requirements and End User Requirements may, at WhisperKOOL's sole discretion, void this limited warranty.
- (11) No one has any authority to add to or vary the limited warranty on this Product.

3. PRODUCT INSTALLATION REQUIREMENTS

- (a) Prior to installing a WhisperKOOL Product, the End User must read the WhisperKOOL Owner's Manual and thereafter the End User must follow the required installation, use and maintenance procedures set forth by WhisperKOOL in WhisperKOOL's Owner's Manual. The Owner's Manual is shipped with each Product and if another copy is needed, replacement copies can be downloaded from WhisperKOOL's website (www.whisperkool.com) or by contacting WhisperKOOL directly for a new copy of the Owner's Manual.
- (b) It is highly recommended that the End User obtain the assistance of a wine storage professional.
- (c) Failing to address all of the variables associated with proper installation will cause the Product to operate incorrectly and limit both the Product's ability to cool and the longevity of the Product itself.
- (d) The limited warranty card should be completed and promptly returned by the End User to WhisperKOOL to ensure limited warranty registration and confirmation of date of purchase.
- (e) The End User is responsible for all risks and costs of installation of the Product, including but not limited to all labor costs as well as cost of any additional parts required for the proper and complete installation of the Product. The End User is responsible for all risks and costs of removing the Product if limited warranty work is required.
- (f) The Product cannot operate at its optimum capacity if airflow is constricted by ducting or venting the exhaust side of the Product into a location with inadequate ventilation.

4. MAINTENANCE REQUIREMENTS

It is the End User's responsibility to clean off any accumulated dust, lint, or other debris from the front and rear intake grills; failure to do this on a regular basis will restrict the airflow and may affect the Product's ability to function properly. Periodically cleaning the Product's vents will help assure maximum cooling efficiency. The drain tube must also be checked and kept clean and free of debris and mold to maintain proper performance. *Mold is a natural living organism in the environment. It exists in the air in the form of microscopic spores that move in and out of buildings through doors, windows, vents, HVAC systems and anywhere else that air enters. Once it is discovered, mold must be addressed quickly and appropriately. Delayed or improper treatment of mold issues can result in costly and reoccurring repairs. If the End User suspects a mold problem, it is always best to hire a qualified and experienced mold remediation specialist.*

5. ADDITIONAL END USER RESPONSIBILITIES

The following items are not covered under any warranty and are the sole responsibility of the End User:

- (a) End Users should satisfy themselves that the Product they are purchasing is suitable for their particular needs and requirements, and thus no responsibility will be placed with WhisperKOOL for the End User's decisions in this regard.
- (b) It is the End User's responsibility to secure safe haven/storage for ANY AND ALL items that are being kept and stored in the End User's wine cellar, including any Product. WhisperKOOL takes no responsibility for the safety and preservation of the aforementioned items in the event that the environment becomes unsuitable to maintain a proper storage environment.

6. SALES AND USE TAX

WhisperKOOL only collects California sales tax for orders shipped within the State of California; WhisperKOOL does not collect sales tax for orders shipped to other states. However, the Purchaser and the End User may be liable to the taxing authority in their state for sales tax and/or use tax on the Product. The Purchaser and the End User should each check with their state's taxing authority for sales and use tax regulations.

7. CUSTOMER SERVICE AND TROUBLESHOOTING

WhisperKOOL's customer service department is available to answer and questions or inquiries for End Users regarding a WhisperKOOL Product, as well as to assist in performing basic troubleshooting, Monday through Friday, from 8:00 a.m. to 4:00 p.m. PST, at telephone number 1-800-343-9463. WhisperKOOL Corporation is located at 1738 East Alpine Avenue, Stockton, California 95205.

8. ADDITIONAL TERMS AND CONDITIONS

- (a) Return Policy. All return inquiries must be made within thirty (30) calendar days of the original purchase of a Product and are subject to a twenty five percent (25%) restocking fee. Shipping costs are not refundable and the Purchaser is responsible for all return shipping costs (including customs fees and duties, if applicable).
- (b) WhisperKOOL retains a security interest in each Product until payment in full.
- (c) Every provision of these Terms and Conditions shall be construed, to the extent possible, so as to be valid and enforceable. If any provision of these Terms and Conditions is held by a court of competent jurisdiction to be invalid, illegal or otherwise unenforceable, such provision will, to the extent so held, be deemed severed from the contract of sale between Purchaser and WhisperKOOL, and all of the other non-severed provisions will remain in full force and effect.
- (d) The laws of the State of California (without regard for conflicts of law) shall govern the construction and enforcement of the these Terms and Conditions, except that these Terms and Conditions shall be interpreted as through drafted jointly by WhisperKOOL and Purchaser. Any dispute will be resolved by the courts in the County of San Joaquin, State of California, and all parties, WhisperKOOL, Purchaser and End User, hereby irrevocably submit to the personal jurisdiction of such courts for that purpose. No waiver by WhisperKOOL of any breach or default of the contract of sale (including these Terms and Conditions) concerning a Product will be deemed to be a waiver of any preceding or subsequent breach or default.

9. Questions or Additional Information

If you have any questions regarding these Terms and Conditions or wish to obtain additional information, contact us via phone at 1-800-343-9463 or please send a letter via U.S. Mail to:

WhisperKOOL
1738 E. Alpine Ave
Stockton, CA 95205
support@whisperkool.com

Model **XLT** Serial Number **A** _____

Installed by _____ Date _____

*Whisper***KOOL™**

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