

400 SERIES

USE & CARE GUIDE





400  SERIES

INTRODUCING THE 400 SERIES

Wine Storage

Congratulations on the purchase of your Sub-Zero 400 Series wine storage unit. The ultimate in beauty, engineering, detailing and functionality, these pieces set the standard for wine storage in the same way that Sub-Zero refrigerators have set the standard for home refrigeration.

Your Sub-Zero 400 Series model is protected by a warranty that is one of the finest in the industry. Take a moment to read the warranty statement in the rear of this book and refer to it should service become necessary.

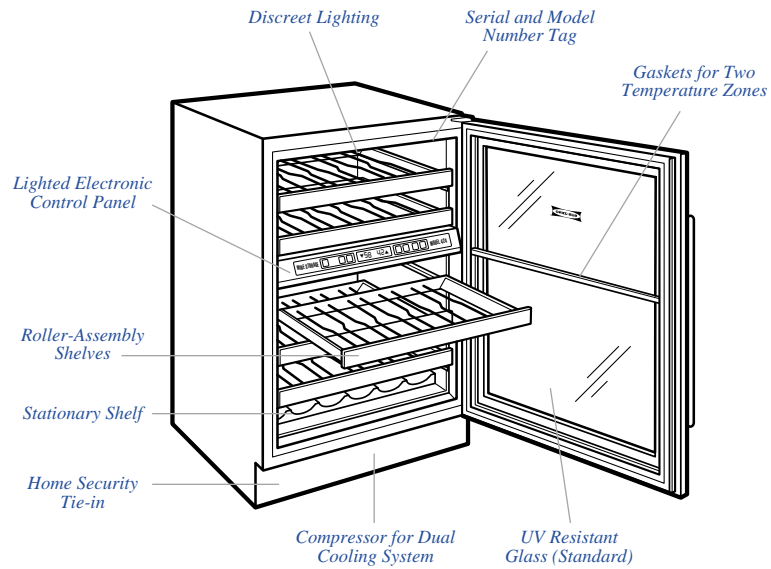
This Use and Care guide will answer most of your questions about the features, operation and maintenance of your 400 Series unit. If you have questions that are not addressed here, call 800/222-7820.

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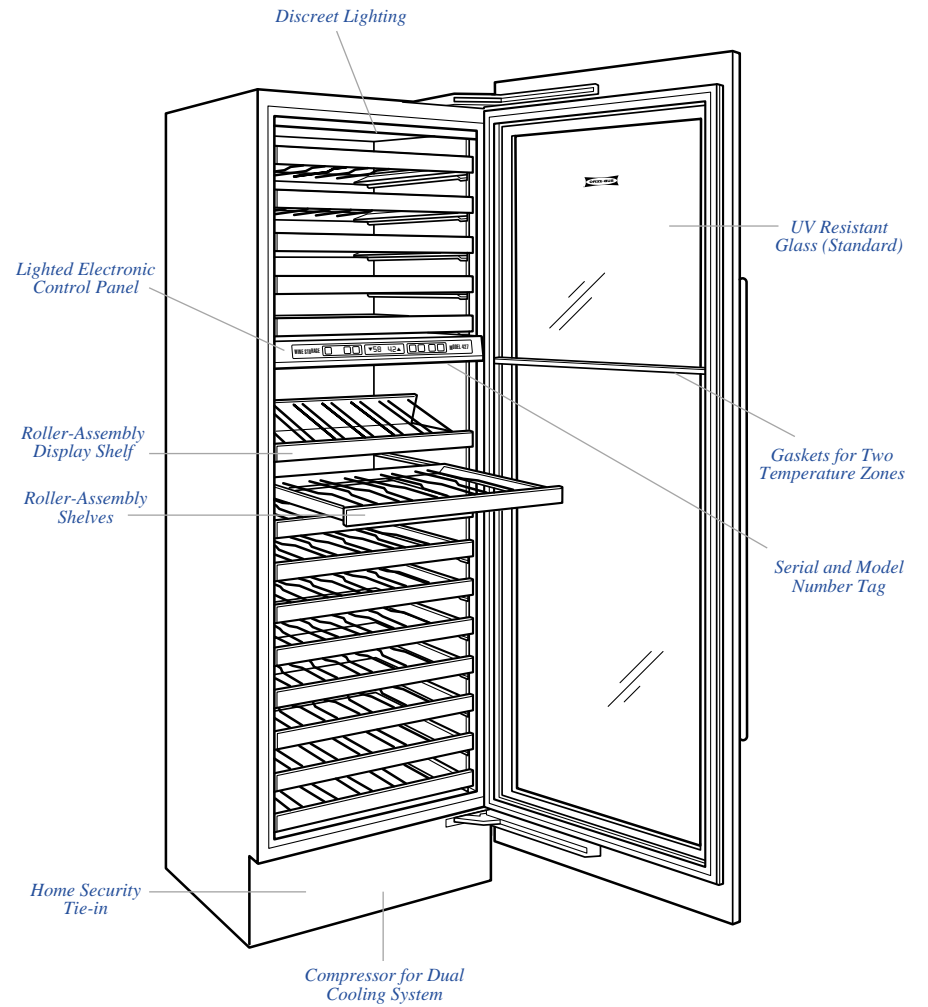
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WINE STORAGE UNITS

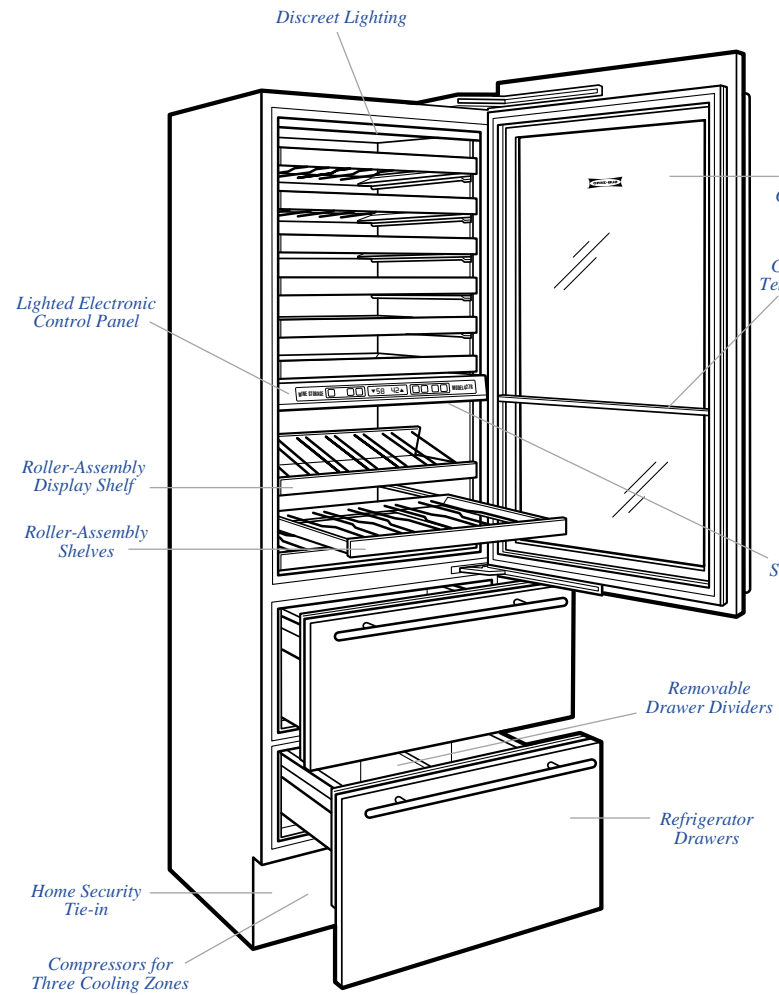
Model 424



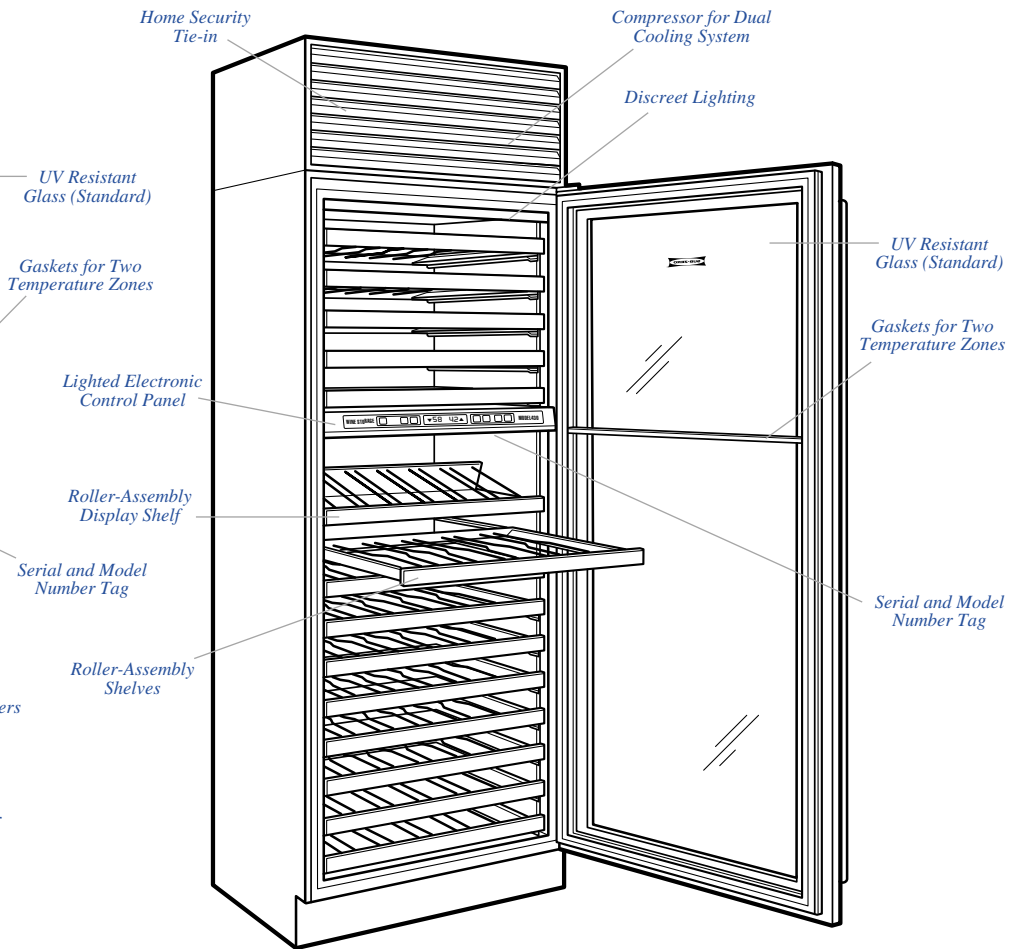
Model 427



Model 427R



Model 430



FEATURES OF THE 400 SERIES

The 400 Series continues the Sub-Zero tradition of superior quality and reliability giving you the peace of mind that your wine is stored properly at the exact temperature you select.

Review these exclusive Sub-Zero features and enjoy the wine you have stored with us.

Electronic Control Panel

A microprocessor controls all electronic functions of this unit and allows you to monitor the exact temperature you have pre-set and easily make adjustments.

Two Distinct Temperature Zones

Each unit has the capability of maintaining two separate temperatures within a range of 38 to 65 degrees F. Tight gaskets assure you the temperatures will remain where you set them. Aside from maintaining the perfect temperature, the humidity stays around 60 percent.

The Model 427R has a third refrigerated zone for items to be stored at a cooler temperature than your wine.

Roller-Assembly Shelves

Your bottles will be nestled safely in shelves that glide out easily to allow access to bottles laid in the back row. Rust proof paint is applied to the shelves which accommodate half-bottles, 750 ml bottles and magnums.

A display shelf is standard on all models, except the Model 424, for showing those prized bottles in your collection.

Service Alert

As part of the microprocessor, you will be able to see if there are any temperature fluctuations outside the pre-set temperature range you've established. You can tie-in your unit to your home security system for monitoring during vacation periods or when your home may be vacant for an extended period.

UV-Resistant Glass

The space between the two glass panes of each 400 Series door is filled with argon gas that filters out harmful UV light.

Discreet Lighting

Beautiful lighting can be controlled independent of the door's opening and closing which will allow you to display your collection of wine for those special occasions.

USE & CARE OF YOUR SUB-ZERO UNIT

The Electronic Control System

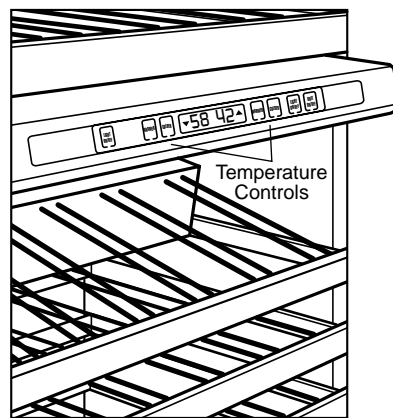
The sophisticated electronic control system gives you the most accurate temperature control for your peace of mind. You can be assured your wine is stored at the temperature you have selected, whether it is long-term aging or staging wine for consumption that evening.

A microprocessor accurately samples the temperature every second in each zone to be sure the temperatures stay within one degree of your pre-set marks.

It also monitors the unit's operation and will let you know if service may be necessary.

Temperature Control

You have the capability of setting two distinct temperatures within the two compartments of your wine unit. Your model has been thoroughly tested and inspected before it was shipped from the factory. The temperature has been pre-set at 45 degrees F, top zone and 55 degrees F, bottom zone.



Electronic control center

There are two sets of WARMER and COLDER key pads, one for each of the two separate wine compartments. The indicator arrow next to the temperature will indicate which temperature corresponds with each area.

For the Model 427R, the refrigerated drawers have their own microprocessor located in the top drawer and the pre-set temperature is 35 degrees F. Here you have a range of 34 to 45 degrees F for the two drawers.

LED Display

The temperatures you have selected will always be visible through the glass door. If you are using your unit frequently, the numbers may fluctuate.

Colder Key

This key pad allows you to decrease the temperature in the corresponding compartment by one degree each time you depress the pad. Remember the temperature range in each compartment is 38 to 65 degrees and you can set two different temperatures.

Warmer Key

Similar to the colder key pad, you can raise the temperature one degree each time you depress this pad.

USE & CARE OF YOUR SUB-ZERO UNIT

Bell Key

If the microprocessor detects temperature fluctuations or a faulty component, you will hear an audible beep and a graphic bell will flash in the LED display window. Also, if the unit is tied-in with your home security it will alert this system. You can deactivate the function and the audible sound by depressing the key pad. If the bell is deactivated, the bell will not be shown in the LED display window.

Service Indicator

Under specific conditions your wine unit may need service from a factory authorized service center.

If this should ever occur you will notice the word SERVICE illuminated in the LED display panel near the temperatures.

You should call your factory-authorized Sub-Zero Service Center or Sub-Zero at 800/222-7820.

Light Switch

All 400 Series units have the capability of having the lights on independent of the door's opening and closing, if you would like to display your wines for a dinner party, for instance.

▲ CAUTION

You should not leave the lights on overnight or for extreme periods of time, as the unit will have to work unnecessarily hard to cool the heat from the lights.

Unit – On/Off

With this key pad you can shut off power to your unit for cleaning or service.

Temperature Control – Refrigerator Drawers Model 427R

LCD Display

This display shows the actual temperature of both drawers in your unit. The pre-set temperature is 38 degrees F from the factory, but you have the option of adjusting the temperature within the range of 34 to 45 degrees F.

Colder Button

This button allows you to decrease the temperature of the drawers by one degree each time you depress the button.

Warmer Button

Similar to the colder button, you can raise the temperature in the drawers by pressing this button.

Alarm Button

This function will allow you to determine if you have left the drawer open inadvertently. There will be an audible beep. A bell symbol will be lit in the LCD display if this function is “on”. If it has been turned off, the symbol will not be lit.

Recommended Temperature Settings

In all instances the recommended temperatures are your individual preference and with the 400 Series wine storage model you purchased, you can be confident the unit will maintain that temperature. Information about suggested wine storage temperatures is available on page 17 of this guide for your reference.

While each wine storage compartment has a temperature range of 38 to 65 degrees F, you can set the temperatures at the exact temperature you think best. Whether it's for consumption or duplicating the temperatures of cellars for long term storage.

Wine Storage

Wine Storage Shelves

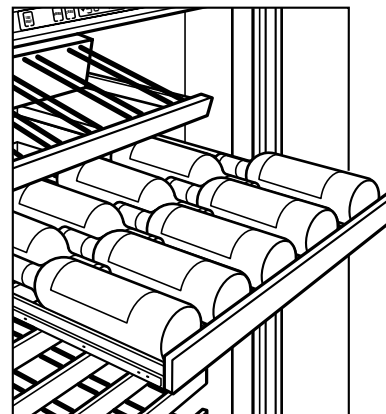
All of the 400 Series models have roller-assembly shelves with a full three-quarter extension for easy access to all stored bottles. The unfinished solid cherry wood-faces can be removed and replaced with other wood to match your cabinetry. Details for this change out are included in the Sub-Zero Design Guide or you can call Sub-Zero at 800/222-7820 for specifics on this feature.

Sub-Zero's solid cherry wood faces can be finished and sealed. In many cases stains and/or finishes have odors that may be objectionable in an enclosed area.

IMPORTANT NOTE:

The Model 424 has roller-assembly shelves in all instances with the exception of the bottom stationary brace.

Your unit is intended to maximize the storage of bottles in an ideal environment where the wine stays in contact with the cork at an even temperature. Refer to the illustration below for the proper arrangement of bottles on the shelves.



Wine storage arrangement

If you are storing half-bottles or magnums, they are nestled in the shelves in the same manner as the 750 ml bottles.

⚠ CAUTION

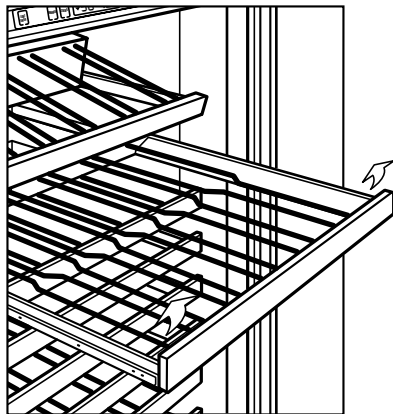
When storing magnum bottles you must remove the shelf just above the intended storage shelf to allow for these larger bottles to be moved in and out of the unit. Failure to do so will cause the bottles to break.

USE & CARE OF YOUR SUB-ZERO UNIT

Refrigerator Drawers Model 427R

Removing Shelves

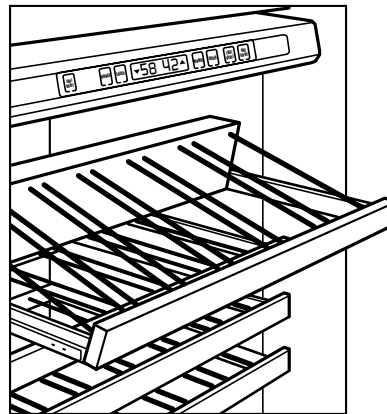
To remove the roller-assembly shelves, pull them out to their full extension and gently lift up from the front of the shelf and remove the shelf. To re-install the shelf follow the reverse of these instructions.



Wine storage shelf removal

Display Shelf

All models, with the exception of the Model 424, have a display shelf included as a standard feature for you to show your prized collection of wine. The shelf is designed in such a way so the wine will stay in proper contact with the cork.



Display shelf

IMPORTANT NOTE:

The display shelf is designed for only one row of bottles laid in such a manner so the bottom portion of the bottle is against the wood rail and the top and cork of the bottle are toward the back of your unit.

This shelf is removed in the same manner as removing the standard shelves.

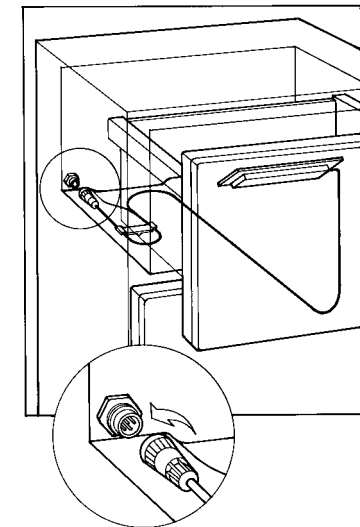
⚠ CAUTION

Do not attempt to remove any shelf while it has wine bottles stored. You should always empty the shelf first.

Drawer Removal

⚠ CAUTION

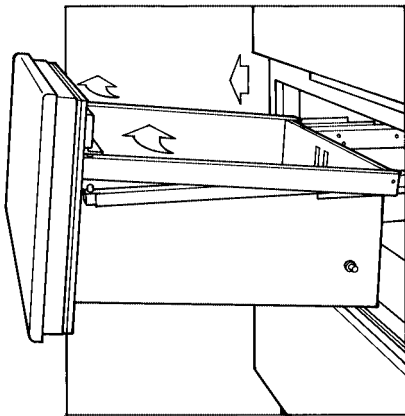
When you are removing the top drawer of the Model 427R, you MUST disconnect the control cable before removing the drawer as show in the diagram below.



Control cable disconnection for
Model 427R

To remove a drawer from your unit, pull it open until it stops. Raise the drawer front and pull out, as show in the diagram. Do not attempt to remove the drawer with stored items in place.

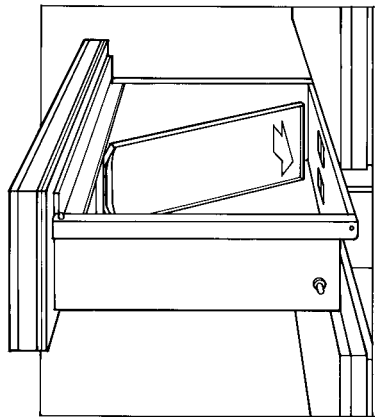
To replace a drawer, raise the front of it and place onto the drawer glide tracks. Be sure to engage the front holes of the drawer slide with the small pegs at the end of each rail.



Drawer removal for Model 427R

Drawer Divider

Each drawer of the Model 427R has a drawer divider that is easily removed by pulling forward and sliding the back edge away from the back of the drawer. Reverse the procedure as illustrated in the diagram for installation.



Drawer divider insertion for Model 427R

Door Closing

Door Closing

The door of your wine storage unit has a spring-loaded closure mechanism. As the door is closed, the door closer engages to help close and seal the door.

90 Degree Door Stop

You may want to limit the door opening of your wine storage unit to 90 degrees. If so, see the appropriate section below for your specific model.

Model 424

There is no 90 degree door stop available for this unit.

Model 427 and Model 427R

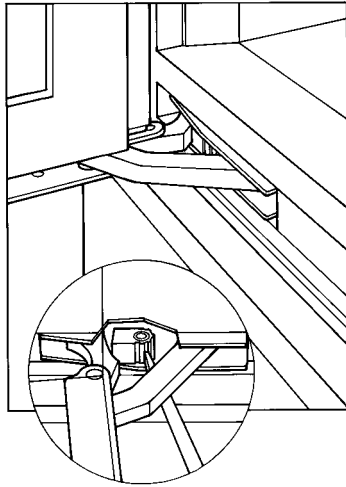
The Model 427 and Model 427R have a 90 degree door stop built into the hinge system.

You can easily actuate the stop by using a blade type screwdriver and rotating the brass fitting in both the top and bottom hinges. You must position both stops at 90 degrees if you want to safely use the door.

USE & CARE OF YOUR SUB-ZERO UNIT

Cleaning

You can go to the maximum of a 105 degree opening by using the screwdriver and rotating the brass cam to the next stop.



Actuating the 90° door stop for Model 427 and Model 427R

▲ WARNING

The door swing on these models may cause severe finger pinching. Watch that fingers are not placed in the door opening on the hinge side when the door is open.

Model 430

An optional 90 degree door stop is available for your Model 430 through your Sub-Zero dealer.

Exterior Cleaning

If you have purchased a stainless steel model, use a soft, non-abrasive stainless steel cleaner to wipe down the exterior. If you have difficulty finding a good cleaner, try Signature Polish from Signature Limited Laboratory, P.O. Box 13436, Dayton, Ohio 45413-0436; or call toll free at 877/376-5474.

The glass door panel can be cleaned using any standard glass cleaner available on the market today.

Interior Cleaning

To clean interior surfaces and removable parts, wash with a mild solution of soap and lukewarm water with a little baking soda. Do not use vinegar. Rise and dry thoroughly. Avoid getting water on lights, control panel and the solid cherry wood facing on the shelves.

Do not use abrasive cleaners or cloths on any of the interior or exterior surfaces, including the glass door panel.

Condenser Cleaning

⚠ WARNING

For cleaning the condenser and other routine maintenance, shut the electricity off at the Control Panel. Depress the On/Off key pad.

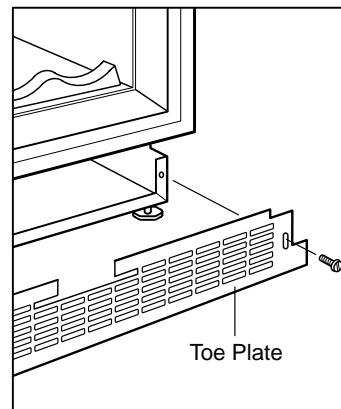
In all instances you should clean the condenser area every three to six months. The cleaning schedule will depend on the amount of dirt that accumulates in this area. Use a soft bristle brush and vacuum to remove dust and lint from the condenser (radiator with fins).

⚠ CAUTION

Failure to clean the condenser could result in temperature loss or mechanical failure or damage. Clean this area every three to six months.

Model 424

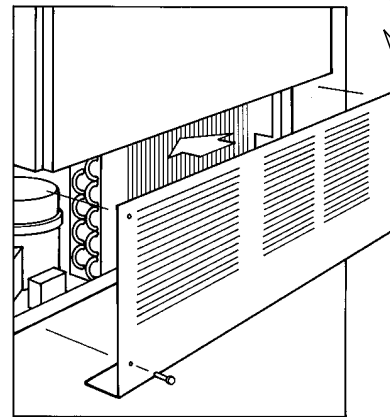
On the Model 424, the condenser is located behind the toe plate. First, remove the toe plate and expose this area. As stated earlier, use a soft bristle brush and vacuum this area.



Condenser location for Model 424

Model 427 and Model 427R

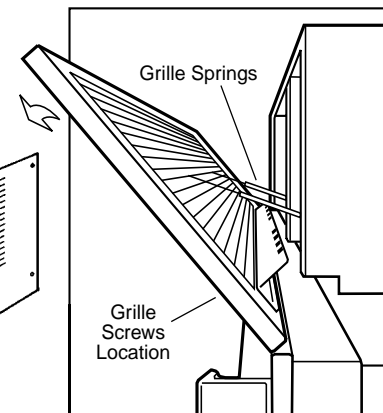
To clean the condenser area on the Model 427 and Model 427R, remove the screws holding the toe kick/grille. This assembly will slide forward easily, giving you access to the condenser area. Use a soft bristle brush and vacuum hose to remove dirt from the area.



Condenser location for Model 427 and Model 427R

Model 430

On the Model 430, the condenser is located behind the grille at the top of the unit. To remove the louvered grille, first open the door to have access to three Phillips head screws. Remove the three grille screws. Tilt the grille forward at the top and release the springs from behind the grille, and then lift it off.



Condenser location for Model 430

USE & CARE OF YOUR SUB-ZERO UNIT

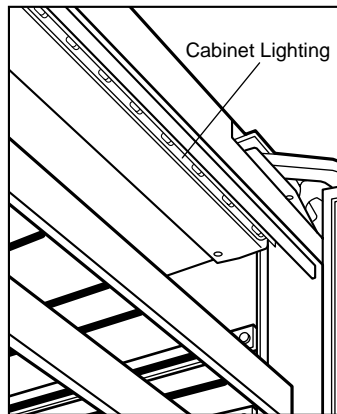
Lighting Information

To remove a panel grille, lift up, then pull out at the bottom and down to release from its mounting bracket.

The condenser should be visible and you should use a soft bristle brush and vacuum to remove dust and lint from the area.

Cabinet Lighting

The discreet lighting is provided in two places on all models with the exception of the Model 424. For this undercounter unit, the “rope” lighting is mounted to the top of the cabinet and cascades down the entire front of the unit. In all other units there is lighting at the top and also another string of lights just above the display shelf.



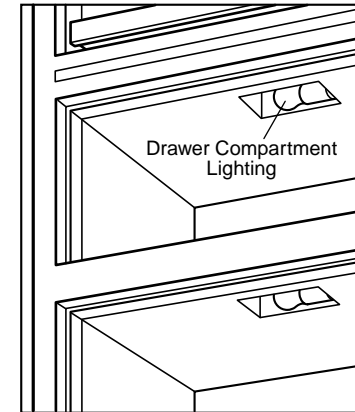
Location of cabinet lighting

These lights have an extended life and it should be some time before they need to be replaced. If you have problems with them or need a replacement string contact your Sub-Zero dealer or call 800/222-7820.

Drawer Compartment Lighting Model 427R

To replace a light bulb in the drawer compartment, you must pull the drawer out to its maximum extension. In fact, it is recommended that you remove the drawer. Refer to page 10 for drawer removal procedures.

Remove the 15 watt bulb by unscrewing it from its socket and complete the reinstallation by following the reverse steps.



Location of drawer compartment lighting for Model 427R

TROUBLESHOOTING

If your wine storage unit is not operating properly, refer to the following guide before calling your Sub-Zero Factory Authorized Service Agency or dealer. The guide will save you time and trouble, and may avoid the expense of a service call.

The wine storage unit isn't running

- Is there electrical power to the unit?
- Is your home circuit breaker or fuse on?
- Is your ON/OFF key pad on?
- Is your condenser area clean?

The wine storage unit is warmer than usual

- Is your control set properly?
- Is your condenser area clean?
- Has the door been open for a long time?

The wine storage unit runs for long periods of time

- Is condenser area clean?
- On hot days and in warm room temperatures the motor runs longer.
- Have the doors been open for a long time?
- Have you recently added a large amount of wine?

Condensation forms inside the unit

- This is normal during high humidity and frequent door openings.
- Are doors closing and sealing properly?

Condensation forms on the outside of the unit

- During periods of high humidity some condensation might appear on outside surfaces. The condensation will disappear when the humidity drops. Meanwhile, be sure doors are closing and sealing properly. If condensation persists, contact your Sub-Zero Factory Authorized Service Center.

You need product information

- Call 800/222-7820 for information on planning, installation or product information.

You need product service

- Check the model and serial number of your unit located on the plate attached to the underside of the control panel/divider wall of the unit (underside of the top wall for Model 424). Then call your Sub-Zero Factory Authorized Service Center. For the location of the Service Center in your area, contact your dealer or Sub-Zero Freezer Co., Service Department, P.O. Box 44130, Madison, WI 53744-4130, call 800/222-7820 or e-mail us at customerservice@subzero.com.

KEEPING WINE AT ITS BEST

Storing and Serving Wine

There is a right way to store and serve wine. And there is a wrong way. The Sub-Zero 400 Series wine storage equipment is committed to the right way. Wine enthusiasts know that wine, optimally, likes to be stored for long times in caves that are vibration free, dark, damp and kept at a constant 55 degrees F. However, how many of us have these situations available?

When you think about wine, think about preserving fruit and the fact that you must refrigerate it at the proper temperature before it spoils. After all wine is the juice of grapes in its simplest interpretation.

To buy a good wine and not look after it is not right. If good wine is worth paying extra for it is worth keeping, and above all serving, in good condition.

You have taken the extra step to ensure your wine is kept in the best possible environment by purchasing your Sub-Zero 400 Series wine storage unit. Now how you use the unit is up to you.

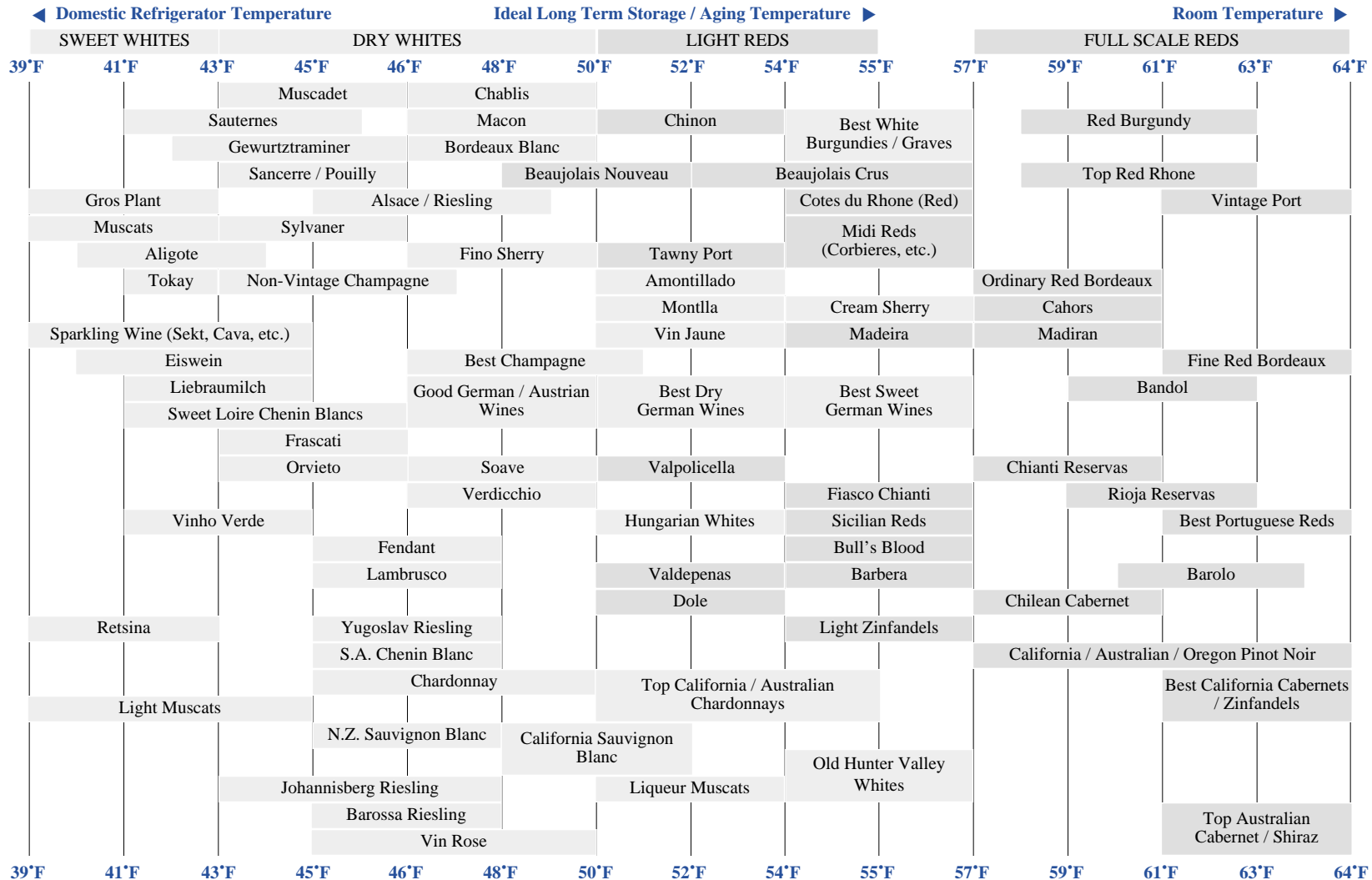
You can devote the entire unit to long term storage and have the temperature set to 55 degrees F in both compartments – ideal for long term storage or aging. If, however, you want to devote only a small portion of the unit to that feature, you can adjust the temperature in the smaller compartment to long term storage and adjust the other section to accommodate the wine you will be enjoying soon.

The temperature in this compartment can be anything you choose. Sure, there are ideal temperatures for serving wine, but it is very subjective with everyone's palate reacting differently to different temperatures.

The following chart offers some universally accepted serving temperatures for the most common wines consumed today.

Enjoy the wine and your Sub-Zero 400 Series wine storage unit. And thank you for your trust in Sub-Zero.

Ideal Temperatures for Serving Wine



SERVICE INFORMATION

Service

This Use and Care Guide gives you the information necessary to preserve your wine at optimum quality in your Sub-Zero wine storage unit.

Keep doors and drawers closed as much as possible whenever the unit is operating.

If you do need service, have the model and serial numbers available when you call. You will find these numbers located on the plate attached to the underside of the control panel/divider wall of the unit (underside of the top wall for Model 424). Then call your nearest Sub-Zero Factory Authorized Service Center, your dealer or Sub-Zero Freezer Company, 800/222-7820, write P.O. Box 44130, Madison, WI 53744, or e-mail us at customerservice@subzero.com.

“Sub-Zero Protection Plan”

Full 5 Year Warranty and Limited 6th Through 12th Year Warranty on the Sealed System

Full 2 Year Warranty on Total Product

Full Five Year Warranty

For five years from the date of original installation, your Sub-Zero warranty covers all parts and labor to repair or replace any components that prove to be defective in materials or workmanship in the sealed system. The sealed system consists of the compressor, condenser, evaporator, drier and all connecting tubing.

Full Two Year Warranty

For two years from the date of original installation, your Sub-Zero warranty covers all parts and labor to repair or replace any part of the product which proves to be defective in materials or workmanship.

Limited 6th Through 12th Year Warranty

From the 6th through the 12th year from the date of original installation, your Sub-Zero warranty covers all parts that prove to be defective in materials or workmanship in the sealed system (parts only). The sealed system consists of the compressor, condenser, evaporator, drier and all connecting tubing.

Terms Applicable To Each Warranty

All service provided by Sub-Zero under the above warranty must be performed by authorized Sub-Zero service representatives, unless otherwise specified by Sub-Zero. Service will be provided in the home during the normal business hours. This warranty applies only to products installed for normal residential use. Details regarding a non-residential warranty are available upon request.

The warranty applies only to products installed in any one of the fifty states of the United States, the District of Columbia or the ten provinces of Canada. This warranty does not cover any parts or labor to correct any defect caused by negligence, accident or improper use, maintenance, installation, service or repair, including but not limited to improper removal and reinstallation (whether in the unit or at a remote location) of the condensing unit.

The remedies described above for each warranty are the only ones which Sub-Zero will provide, either under these warranties or under any warranty arising by operation of law. Sub-Zero will not be responsible for any consequential or incidental damages arising from the breach of these warranties or any other warranties, whether express, implied or statutory.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

To receive parts and/or service and the name of the Sub-Zero authorized service representative nearest you, contact your Sub-Zero dealer, distributor or Sub-Zero Freezer Company, Service Department, P.O. Box 44130, Madison, Wisconsin, 53744-4130, call (800) 222-7820 or e-mail us at customerservice@subzero.com.







Sub-Zero Freezer Company, Inc. 4717 Hammersley Road Madison, Wisconsin 53711 (800) 222-7820 or (608) 271-2233