INTRODUCTION/PREPARING THE CABINET - SINGLE DOOR UNDERCOUNTER CABINETS

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Uncrating and Inspection
Remove all crating material. Carefully inspect cabinet for hidden damage. If damage is discovered, file your claim immediately with the transport company. Perlick is not responsible for damage in transit.

Plumbing
No plumbing connections are required. Condensate from the cooling coil automatically evaporated through a condensate pan located in the condensing section of the unit.

Electrical
A 115 volt, 60 Hz, 15 amp circuit breaker and electrical supply are required. A separate circuit is required for each Perlick unit installed.

Follow the National Electrical Code and any local codes or ordinances when installing the receptacle.

All Perlick units come equipped with a NEMA 5-15P 90° plug with a 5' cord extending beyond the rear of the cabinet. The electrical outlet must be flush with, or recessed into, the wall surface for all HC and HB. HD models have a recess at the rear of the cabinet to accommodate the plug and keep a true 18" depth.

DANGER Serious electrocution hazard! Electrical grounding is required. This appliance is equipped with a 3-prong (grounding) polarized plug for your protection against possible shock hazards. Failure to comply with these electrical guidelines may result in possible death or serious injury, fire, or loss of property.

► NEVER remove the round grounding prong from the plug.
► NEVER use a 2-prong adapter.
► NEVER use an extension cord to connect power to the unit.

Additional General Information
► All electrical instructions assume the outlet is located 4” -10” above the floor surface.
► Floor must be level in the area of installation. Leg levelers are used for fine-tune adjustment only and should not be used to compensate for floor differences exceeding 1/2”.

Thank you for choosing Perlick
To register your product, visit our website at www.perlick.com. Click on ‘Bar & Beverage Equipment’, then ‘Service & Support’ and select the ‘Warranty Registration Form’ option. You must complete and submit this form or the installation date will revert back to the ship date.

This manual has been prepared to assist you in the installation of this cabinet and acquaint you with its operation and maintenance.

We dedicate considerable time to ensure that our products provide the highest level of customer satisfaction. If service is required, your dealer can provide you with a list of qualified service agents. For your own protection, never return merchandise without our approval.

We thank you again for selecting a Perlick product and assure you of our continuing interest in your satisfaction.

Perlick is committed to continuous improvement. Therefore, we reserve the right to change specifications without prior notice.
INSTALLING THE CABINET - SINGLE DOOR UNDERCOUNTER CABINETS

Preparing the Space

**CAUTION** If the unit is to be installed under a countertop, it is recommended that the countertop be supported by a structure other than the unit itself to prevent damage to the unit.

**CAUTION** Make sure the floor under the unit is level with the surrounding finished floor. Protect a finished floor with plywood, cardboard, or some other suitable material before moving the unit into place. Failure to do this may result in damage to the floor.

1). Make sure the space opening is correctly sized for the unit. See chart below for finished rough opening requirements.

### HC24 24” C-Series

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-3/8” minimum, 35-1/2” maximum</td>
<td>24”</td>
<td>24”</td>
</tr>
</tbody>
</table>

### HB24 24” ADA-Compliant Series

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>32-1/2”</td>
<td>24”</td>
<td>24”</td>
</tr>
</tbody>
</table>

### HD24 18” Shallow-Depth Series

<table>
<thead>
<tr>
<th>Height</th>
<th>Depth</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>32-1/2”</td>
<td>18”</td>
<td>24”</td>
</tr>
</tbody>
</table>

**NOTE:** For a cabinet door to open properly, the door must open a minimum of 90°. Use a minimum 3” filler in corner installations to assure a full 90° opening. Allow 25” clearance in front of unit for full door swing and shelf/drawer pull out for all units.

2). Check that the following are level and square:

- Front and interior opening
- Installation opening and floor surface
- Countertop bottom and front edge (if applicable)

**CAUTION** **NOTE:** The floor under the unit must be at the same level as the surrounding finished floor. To prevent possible damage to the countertop do not place heavy objects on countertop directly over unit.

Installation

Unit may tip forward if loaded racks/shelves are all pulled out at the same time. To prevent tipping, and to provide stable installation, the unit must be secured in place with the anti-tip brackets supplied with the unit. The anti-tip brackets, when properly installed, should secure the rear legs/glides to the mounting surface and prevent the unit from tipping forward.

Please note:

- Anti-tip brackets are only used for stationary cabinets and should not be installed on cabinets with accessory casters. Caster kits are available for HC and HB model cabinets. Refer to the instructions supplied with the caster kit for proper installation.
- If installing on a concrete floor, concrete fasteners are required and not included with the anti-tip kit.
- Some installation sites may require modifications to provide a secure surface for attaching the brackets.

A set of anti-tip brackets is supplied with the unit. These brackets should be attached to the floor at the rear of the unit. Each bracket must be located to engage the rear glides when the cabinet is pushed back into position. Refer to Figure 1 (shown below) for anti-tip bracket mounting locations.

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Figure 1. 24” Anti-Tip Bracket
Sealing Cabinet to Floor
For units without casters or legs, it may be necessary to seal the base of the cabinet to the floor. This can be accomplished by laying a bead of silicone sealant between the base of the cabinet and the floor (Figure 1).

Installating the Unit
1). Plug the unit into the 15 amp grounded electrical outlet located within the installation opening. With power applied to the unit, check that the lighting and cooling functions operate properly. Turn off the power to the wall outlet at the circuit breaker.

2). With all surfaces in the installation opening square and level, refer to Figure 2 (shown right) and perform the following steps:

► At the bottom of the opening, measure from the floor to the bottom of the front edge of the countertop.

► Measure from the floor surface to the top of the unit at the rear corners.

► Adjust the unit legs so these two measurements are equal. Using an adjustable wrench or pliers, turn legs clockwise to lower the unit and clockwise to raise it.

NOTE: Legs should not extend more than 3/4" from the bottom of the unit.

3). Slide the unit into position in the opening. Make sure the rear leveling legs slide under the anti-tip brackets. Push the unit into the opening until the bottom front edge of the unit is flush with the surrounding cabinetry, or until the rear legs are tight against the anti-tip brackets.

NOTE: The rear leveling legs must be engaged under the anti-tip brackets.

4). Shim the front of the unit so the front face is flush with surrounding cabinetry. Adjust the front legs to support the countertop at the shimmmed height. Using an adjustable wrench of pliers, turn the legs clockwise to lower the unit or counterclockwise to raise it. Countertop should be resting on top of the unit.

NOTE: Countertop should be resting evenly on entire top of the unit. Shim if necessary to prevent damage to the countertop.

Perlick is committed to continuous improvement. Therefore, we reserve the right to change specifications without prior notice.
5). Check interior door openings to make sure the unit is level and square. Install shelving and/or drawers. Place the slide brackets squarely into the bracket grooves. When installed properly, a "click: should be heard from the slide bracket retaining tabs and the brackets should slide smoothly. The retaining tabs will stop the shelf/drawer when pulled out to full extension.

6). Turn the power on to the circuit breaker.

*NOTE: Improper shelf/drawer installation may not actuate slide mechanism.*
Toe Plate Installation

Once the unit is secured in place, install the louvered toe plate. Secure the plate by snapping the latch into the latch catch on the unit as shown in Figure 3 (shown below).

![Figure 3. Toe Plate Installation](image)

Shelving

Each cabinet comes with standard shelving (drawer models excluded). All shelves are black vinyl-coated, full-extension pullout shelves. Wine shelves have stainless steel front.

**Refrigerator** - Two (2) refrigerator shelves

**Freezer** - Two (2) refrigerator shelves

**Beverage Center** - Two (2) wine shelves and one (1) refrigerator shelf

**Wine Reserve** - Five (5) wine shelves

To adjust the shelving:

1). Pull the shelf out to its farthest position. Locate the tabs in the middle of both extends, then press tabs and pull shelf out of the unit. See Figure 4

2). Reposition each bracket separately. Grasp the middle of the bracket, pull the front end up and out, then forward to remove.

3). Place bracket at the desired position. Push the rear hook into the rear key slot. Set front bracket on the wall hook.

4). Repeat for other bracket(s).

5). Push extenders completely into the unit. Align the shelf grooves with the extenders and slide completely into the unit.
Interior Light

Door units are equipped with an interior light that illuminate when the door is opened. The cabinet also comes equipped with a manual light switch for displaying the products through a glass door. For C-Series (HC), ADA-Compliant (HB) and Shallow-Depth (HD) models, this is located on the back wall left of the light.

Always ensure that the manual light switch is in the OFF position before closing a solid wood or stainless steel door. If manual light switch is left on for an extended period of time, it may increase the cabinet temperature, and cause the refrigeration system to run harder.

Loading Product

Before storing perishables, turn unit on and allow it to operate for a minimum of 24 hours to allow temperatures to stabilize.

When loading items into the unit, do not block internal louvers and fan guard openings or performance will be decreased.

Digital Temperature Control

Perlick Single Door Freezer units come standard with digital control (Figure 5).

The following are the programming button definitions:

- **SET** button
- **DEFROST** button (melting snowflake)
- **UP** arrow
- **DOWN** arrow
- **ON/OFF** button

Digital Controller Operating Instructions

**To Set Target Temperature:** Press and release the SET button. Display will show the current temperature set point.

**To Change Setpoint Temperature**

1. Press and hold the SET button until the display shows the current setpoint temperature with the “F” flashing.
2. Use the UP and DOWN arrow button to scroll to the desired temperature.

**To Start A Manual Defrost (Freezer Models Only)**

Press the DEFROST button (melting snowflake)

**To Set Maximum Stored Temperature:** Press the UP arrow button to see the maximum stored temperature. To reset the maximum stored temperature, while displayed, press and hold the SET button until ‘rst’ flashes in the display.

**To Set Minimum Stored Temperature:** Press the DOWN arrow button to see the minimum stored temperature. To reset the minimum stored temperature, while displayed, press and hold the SET button until ‘rst’ flashes in the display.

**On/Off:** Press the ON/OFF button to turn the unit on or off.
The following are the programming button key combinations:

+ Press the UP and DOWN arrow buttons to lock and unlock the keyboard

SET + Press the SET and DOWN arrow buttons simultaneously to enter programming mode.

SET + Press the SET and UP arrow buttons simultaneously to return to room temperature display.

NOTE: Dependent on the model and configuration, the controllers have been programmed to only allow a temperature adjustment within a specified range. See the chart below for the specified range allowed for your unit.

### Electromechanical Temperature Control

Perlick Single Door Refrigerator, Beverage Center and Wine Reserve units come standard with an electromechanical temperature control (Figure 6).

**Figure 6. Electromechanical Temperature Control**

#### Electromechanical Controller Operating Instructions

Use a straight slot screwdriver to adjust the dial temperature control. The control is located at the top rear panel of the cabinet. Approximate temperature ranges are as follows:

<table>
<thead>
<tr>
<th>Model</th>
<th>Min Temp Set</th>
<th>Max Temp Set</th>
<th>Factory Temp Setpoint</th>
</tr>
</thead>
<tbody>
<tr>
<td>HC24FS</td>
<td>-10°F</td>
<td>10°F</td>
<td>0°F</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Min Temp Set</th>
<th>Max Temp Set</th>
<th>Factory Temp Setpoint</th>
</tr>
</thead>
<tbody>
<tr>
<td>HB24FB</td>
<td>-10°F</td>
<td>10°F</td>
<td>0°F</td>
</tr>
</tbody>
</table>

The following table describes LED functions:

<table>
<thead>
<tr>
<th>LED</th>
<th>Mode</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>⚪️</td>
<td>ON</td>
<td>Compressor is on</td>
</tr>
<tr>
<td>⚪️</td>
<td>Flashing</td>
<td>Anti-short cycle delay is on</td>
</tr>
<tr>
<td>⚪️</td>
<td>ON</td>
<td>Defrost is on</td>
</tr>
<tr>
<td>🕉️</td>
<td>ON</td>
<td>Alarm is on</td>
</tr>
<tr>
<td>⚪️</td>
<td>Flashing</td>
<td>You are in the process of programming the unit</td>
</tr>
</tbody>
</table>

**To Adjust to Colder Temperature:** Turn the adjusting screw clockwise (to the left)

**To Adjust to Warmer Temperature:** Turn the adjusting screw counterclockwise (to the right)

**To Turn Temperature Control OFF:** Turn the adjusting screw completely counterclockwise to the OFF position until a click is heard.

NOTE: Condenser fan motor turns off with compressor.
MAINTENANCE - SINGLE DOOR UNDERCOUNTER CABINETS

Checking Product Temperature

To accurately check the temperature of product stored in the refrigerated compartment:

1. Insert an accurate thermometer into an unbreakable plastic bottle, partially filled with water. Tighten bottle cap securely.
2. Place bottle in the desired area for 24 hours. Refrain from opening the unit during the testing period. After 24 hours, check the temperature of the water and adjust using the Controller Operating Instructions on page 6.

DANGER Never attempt to repair or perform maintenance on the unit until the main electrical power to the unit has been disconnected.

Light Bulb Replacement

To replace a defective or burnt out bulb, remove the glass light cover by pulling off the cover. Unscrew the bulb and replace it with an identical or smaller bulb. The Perlick replacement part number is 67026.

Stainless Steel Care

Stainless steel is a “passive” metal because it contains other metals like chromium, nickel and manganese that stabilize the atoms. Chromium provides an invisible passive film that covers the steel surface, acting as a shield against corrosion. As long as the film is intact and not contaminated, the metal is passive and stainless. If the passive film of stainless steel has been broken, equipment can start to corrode and rust.

Three materials or processes can break down stainless steel’s passive layer and allow corrosion to occur:

- Mechanical abrasion
- Deposits and water
- Chlorides

Mechanical abrasion refers to items that will scratch a steel surface. Steel pads, wire brushes and scrapers are prime examples.

Water comes out of the faucet in varying degrees of hardness. Hard water may leave spots. When allowed to sit, these deposits will break down the passive chromium layer and rust stainless steel. Other deposits from food preparation must be promptly removed with an appropriate cleaning agent.

Chlorides are found nearly everywhere. They are in water, food and table salt. Household and industrial cleaners are the worst offenders.

Preventing Stainless Steel Rust

Use non-abrasive tools to clean stainless steel products. Soft cloths and plastic scouring pads will not harm the steel's passive layer.

Clean with polish lines. Some stainless steels have visible polishing lines or “grain”. When visible lines are present, always scrub in a motion parallel to the lines. When the grain cannot be seen, polish in a consistent straight pattern and not in a circular motion.

Keep food equipment clean. Use alkaline, alkaline chlorinated or non-chloride containing cleaners. While many traditional cleaners are loaded with chlorides, the industry is providing an ever-increasing choice of non-chloride cleaners. If you are not sure of chloride content in the cleaner being used, contact your cleaner supplier. If your present cleaner contains chlorides, ask your supplier for an alternative.

Avoid cleaners containing quaternary salt; it also can attack stainless steel and cause pitting and rusting.

Cleaning the Cabinet Interior/Exterior

NEVER use hydrochloric acid (muriatic acid) on stainless steel. Do not use abrasive cleansers on cloths on any interior or exterior surfaces, including removable parts.

Glass panels may be cleaned using any standard glass cleaner available on the market.

To clean interior and exterior non-metallic surfaces and removable parts, wash with mild solution of soap and lukewarm water with a little baking soda. Rinse and dry thoroughly. Avoid getting water on the lights, controllers, fan motors and unfinished wood wine rack faces.
### Recommended Cleaners for Specific Situations

<table>
<thead>
<tr>
<th>Job</th>
<th>Cleaning Agent</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Routine cleaning</td>
<td>Soap, ammonia, detergent</td>
<td>Apply with sponge or soft cloth</td>
</tr>
<tr>
<td>Fingerprints and smears</td>
<td>Areal 20, Lac-O-Nu, Lumin Wash, O-Cedar Cream Polish</td>
<td>Provides barrier film to minimize fingerprints. Can be used on all finishes. Rub the surface with a cloth as directed on the package.</td>
</tr>
<tr>
<td>Stubborn stains and discolorations</td>
<td>AllChem Concentrated Cleaner, Samae, Twinkle, Cameo Copper Cleaners, Grade FFF Italian Pumice Whiting, Steel Bright, Lumin Cleaner, Zud Restoro, Sta-Clean, Highlight Cooper’s Stainless Steel Cleaner or Revere Stainless Steel Cleaner</td>
<td>Apply with a damp sponge or cloth, then rinse with clear water and wipe dry.</td>
</tr>
<tr>
<td></td>
<td>Old Dutch, Lighthouse Sunbrite, Wyandotte Bab-O, Gold Dust, Sapollo, Bon Ami or Comet</td>
<td>For these household cleaners, rub with a damp cloth. They may contain chlorine bleaches so rinse thoroughly after use and wipe dry.</td>
</tr>
<tr>
<td></td>
<td>Liquid NuSteel or Dubois Temp</td>
<td>For these products, rub the surface with a dry cloth using only a small amount of cleanser. Rinse with water and dry.</td>
</tr>
<tr>
<td>Heat tint or heavy discoloration</td>
<td>Penny-Brite, Copper Brite, Paste Nu-Steel, Dubois Temp or Tamite</td>
<td>Rub onto surface with a dry cloth</td>
</tr>
<tr>
<td></td>
<td>Bar Keepers Friend, Revere Stainless Steel Cleaner, Allen Polish, Steel Bright Wyandotte Bab-O or Zud</td>
<td>When using these cleaners, apply with a damp sponge or cloth, rinse thoroughly and wipe dry.</td>
</tr>
<tr>
<td>Tenacious deposits, rust, discoloration, industrial atmospheric stains</td>
<td>Oakite No. 33 Dilac, Texo NY, Flash-Klenz Caddy Cleaner, Turco Scale 4368 or Permag 57</td>
<td>Swab and soak with a clean cloth. Let stand for 15 minutes or more according to directions on package, then rinse and wipe dry.</td>
</tr>
<tr>
<td>Rust discoloration or corrosion caused by cleaning agents containing hydrochloric (muriatic) acid or chlorine bleach</td>
<td>3M Scotch Pad, type A, grade “fine”</td>
<td>Clean off the surface soil using cleaning methods above. Then rub discolored or corroded areas lightly with a dry pad.</td>
</tr>
</tbody>
</table>

*Use of property names is intended only to indicate a type of cleaner and does not constitute an endorsement. Omission of any proprietary cleaner does not imply its inadequacy. All products should be used in strict accordance with instructions on the package.*

*NOTE: Do NOT use steel wool or scouring pads to clean stainless steel.*

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**DANGER**

Never attempt to repair or perform maintenance on the unit until the main electrical power to the unit has been disconnected.

**Cleaning the Condenser**

The condenser (located behind the louvered toe plate) should be cleaned every three (3) months. Use a soft bristle brush and vacuum to remove dust and lint.

**CAUTION**

Avoid damaging or crushing the condenser fins or tubing.

**CAUTION**

Failure to clean the condenser could result in temperature loss or mechanical failure.
If the unit appears to be malfunctioning, read through the operation section first, then check the guide below to identify and resolve the problem.

**DANGER** Electrocuton hazard! Never attempt to repair or perform maintenance on the unit until the main electrical power has been disconnected.

**No Interior Light**
- Is the bulb loose?
- Is the bulb burnt out?

**Light stays on when the door is closed**
- Manual ON/OFF light switch is turned on.
- Is the door switch making contact with the plunger?

**Noisy during operation**
- Certain sounds are normal. Soft sounds from the compressor, fan motor and valves may be heard.

**The refrigerated cabinet isn’t running**
- Is there electrical power running to the unit?
- Is the building circuit breaker/fuse on?
- Is the control set properly?
- Is the condenser area clean?

**The refrigerated compartment is warmer than usual**
- Is the control set properly?
- Is the light staying on?
- Is the condenser area clean and free of obstruction?
- Has the door or drawer been open for a long time or have more frequent door or drawer openings occurred?
- Are the internal louvres and fan guard openings being obstructed?

► Is the door or drawer closing and sealing properly?

**The refrigerated compartment is cooler than usual**
- Is the control set properly?
- Is the door or drawer closing and sealing properly?

**The refrigeration system runs for long periods of time**
- Is the condenser area clean and free of obstruction?
- Has the door or drawer been open for long periods of time or have more frequent door or drawer openings occurred?
- Has warm product just been placed in the unit?
- On hot days and in warm room temperatures, the system will run longer.

**Condensation forms inside the refrigerated compartments**
- This is normal during high humidity and with frequent door openings.
- Are the doors and drawers closing and sealing properly?

**Condensation forms on the outside of the unit**
- During periods of high humidity, some condensation might appear on the outside surfaces. The condensation will disappear when the humidity drops. Meanwhile, be sure the doors and drawers and closing and sealing properly. If condensation persists, contact your Perlick Factory Authorized Service Center.
To obtain product information

► Contact your selling dealer
► Inquire on the web at www.perlick.com
► Call (800)558-5592 for factory assistance for planning, installation or product information
► Write Perlick Corporation, Customer Service Department, 8300 W. Good Hope Rd., Milwaukee, WI 53223.
► Email us at warrantyserv@perlick.com

To obtain product service, replacement parts or accessories

► Use only genuine Perlick replace parts and accessories. Genuine Perlick parts and accessories are designed to work correctly with Perlick products and offer superior service life. The use of non-Perlick parts can damage the unit and may void the warranty.
► Check the model and serial number of the unit located on the label attached to the ceiling inside of the cabinet. Call a Perlick Factory Authorized Service Center. For the location of the nearest Service Center, use the contact information listed above.
Additional product information and specifications are available for download on perlick.com.

Contact Perlick Customer Service or Technical Service toll-free at 800.558.5592.

Customer Service and Technical Service are available business days Monday through Friday from 8 a.m. to 4:30 p.m. CST.