True Freezer Temperature Control Manual

Reach-Ins REFRIGERATION

TA Series Reach-Ins
FEATURES / BENEFITS

- Exterior - 300 series stainless steel front, sides, bottom and back
- Interior - attractive, NSF approved, white aluminum sides and back, 300 series stainless floor and door liner
- Shelving - 3 heavy duty, PVC coated wire shelves per section
- Foamed-in-place polyurethane high density cell insulation (CFC free)
- Lifetime guaranteed recessed door handles
- Exterior mounted digital electronic thermometer features manual defogger
- Positive seal self-closing doors with 90° stay open feature. Lifetime guaranteed door hinges
- Incandescent interior lighting (solid doors); Fluorescent interior lighting (glass door)
- Energy efficient, "Low-E", thermal glass on glass door models
- Door locks standard
- 4" diameter swivel castors standard equipment, 6" legs available
- Self-contained system

REFRIGERATION UNITS HAVE...

- Oversized and balanced, environmentally friendly refrigeration system, factory sealed and pre-lubricated for long life - hold 33° to 38°F
- Hot gas condensate for energy efficiency

FREEZER UNITS HAVE...

- Environmentally friendly (R404A), refrigerant
- Freezer holds -10°F (air off evaporator coil, -20°F) for the best in food preservation
- Automatic defrost system
- Pass-thru freezer designed to be rear-loaded from prep area and front accessed

DUAL TEMPERATURE UNITS HAVE...

- True's dual temperature models are equipped with two, self-contained, independent refrigeration systems (CFC free)
- TA1DT-2HS has refrigerator on top and freezer on bottom, TA2DT-2S has refrigerator on left and freezer on right; refrigerator holds 33° to 38°F, freezer holds -10°F
- Compartmentalized, incandescent, interior lighting (one for each door)
- Automatic defrost system
- Dual exterior mounted temperature monitors

HEATED UNITS HAVE...

- Powerfully provides holding temperatures of 80° to 180°F throughout the cabinet for uniform, forced-air, heating
- Heater - stainless steel for corrosion resistance
- Humidity control - 12" x 20" pan standard
- Manual humidity control is a standard feature (turn counterclockwise to ventilate)
- Pass-thru heated cabinet designed to be rear-loaded from prep area and front accessed

REACH-IN REFRIGERATORS			
MODEL	*DOORS*	*HP*	*L X D† X H**
SOLID DOORS			
TA1R-1S	1	½	29" x 34⅛" x 78⅛"
TA2R-2S	2	½	51⅛" x 34⅛" x 78⅛"
TA3R-3S	3	½	76⅛" x 34⅛" x 78⅛"
GLASS DOORS			
TA1R-1G	1	½	29" x 34⅛" x 78⅛"
TA2R-2G	2	½	51⅛" x 34⅛" x 78⅛"
TA3R-3G	3	½	76⅛" x 34⅛" x 78⅛"
SOLID HALF DOORS			
TA1R-2HS	2	½	29" x 34⅛" x 78⅛"
TA2R-4HS	4	½	51⅛" x 34⅛" x 78⅛"
TA3R-6HS	6	½	76⅛" x 34⅛" x 78⅛"
GLASS HALF DOORS			
TA1R-2HG	2	½	29" x 34⅛" x 78⅛"
TA2R-4HG	4	½	51⅛" x 34⅛" x 78⅛"
COMBINATION HALF DOORS			
TA1R-1HG/1HS	2	½	29" x 34⅛" x 78⅛"
TA2R-2HG/2HS	4	½	51⅛" x 34⅛" x 78⅛"
REACH-IN FREEZERS			
SOLID DOOR			
TA1F-1S	1	½	29" x 34⅛" x 78⅛"
TA2F-2S	2	½	51⅛" x 34⅛" x 78⅛"
TA3F-3S‡	3	1½	76⅛" x 34⅛" x 78⅛"
GLASS DOORS			
TA1F-1G	1	½	29" x 34⅛" x 78⅛"
TA2F-2G‡	2	1	51⅛" x 34⅛" x 78⅛"
HALF-DOOR SOLID DOORS			
TA1F-2HS	2	½	29" x 34⅛" x 78⅛"
TA2F-4HS	4	½	51⅛" x 34⅛" x 78⅛"
TA3F-6HS‡	6	1½	76⅛" x 34⅛" x 78⅛"
PASS-THRU SOLID DOORS			
TA2FPT-2S-2S‡	4	1	51⅛" x 37½" x 78⅛"

DEEP REACH-IN DUAL TEMPERATURE			
MODEL	*DOORS*	*HP REG - FRZR*	*L X D† X H**
SOLID DOOR			
TA1DT-2HS	2	½ - ½	29" x 34⅛" x 78⅛"
TA2DT-2S‡	2	½ - ½	51⅛" x 34⅛" x 78⅛"

REACH-IN HEATED CABINETS			
SOLID DOORS		*WATTS*	*L X D† X H**
TA1H-1S‡‡	1	2000	29" x 34⅛" x 78⅛"
TA2H-2S‡‡	2	4000	51⅛" x 34⅛" x 78⅛"

** Height does not include 5" for caster height or 6" for optional legs and 1" for system mechanical components (not on TA1DT-2HS)*
† Depth does not include 1¼" for door handle (glass door models only) and 2½" for upper rear condensate enclosure on DT models
‡ Requires 115/208-230/60 Hz, single phase, 3 pole, 4 wire circuit

TA2R-2HG/2HS

TA1F-2HS

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True freezer temperature control manual is essential for anyone who owns a True freezer, whether for commercial purposes or at home. Maintaining the correct temperature in your freezer is crucial for food safety and preservation. This comprehensive guide will walk you through understanding your True freezer's temperature control features, the importance of proper temperature settings, and practical tips for ensuring optimal performance.

Understanding Your True Freezer

True Manufacturing has been a leader in commercial refrigeration for over 70 years. Their freezers are known for durability, efficiency, and reliability. A key feature of True freezers is their sophisticated temperature control

system. Understanding how this system works is vital for ensuring your freezer operates at the right temperature.

Components of True Freezer Temperature Control

1. Thermostat: The thermostat is the brain of the temperature control system. It monitors the internal temperature and adjusts the compressor's operation accordingly.
2. Compressor: This component is responsible for cooling the interior of the freezer. When the thermostat detects a rise in temperature, it activates the compressor to lower the temperature back to the desired setting.
3. Evaporator and Condenser Coils: These coils help in heat exchange, allowing the freezer to maintain its cold environment efficiently.
4. Fans: They circulate air within the freezer, ensuring even cooling throughout the space.

Importance of Proper Temperature Settings

Maintaining the correct temperature in your True freezer is crucial for several reasons:

- Food Safety: Freezing food at the appropriate temperature helps prevent the growth of harmful bacteria and pathogens. The USDA recommends keeping your freezer at 0°F (-18°C) or lower.
- Food Quality: Proper freezing techniques preserve the texture, flavor, and nutritional value of food. Incorrect temperatures can lead to freezer burn or spoilage.
- Energy Efficiency: A well-functioning freezer that maintains the correct temperature operates more efficiently, saving energy and reducing utility costs.

Setting the Temperature on Your True Freezer

Adjusting the temperature on your True freezer is a straightforward process. Follow these steps to ensure you're setting it correctly:

1. Locate the Control Panel: Most True freezers have a digital or dial thermostat located on the front or inside the unit.
2. Check the Current Temperature: Before making adjustments, check the current temperature setting. This is usually displayed on the control panel.
3. Adjust the Temperature Setting:
- Digital Display: If your freezer has a digital display, use the buttons to increase or decrease the temperature. Set it to 0°F (-18°C) for optimal food preservation.
- Dial Thermostat: For models with a dial, turn the dial towards the colder

setting. The numbers usually range from 1 (warmest) to 7 (coldest).
4. Allow Time for Adjustment: After setting the temperature, give your freezer some time to reach the new setting. It may take several hours for the temperature to stabilize.

Monitoring Your Freezer's Temperature

Regularly monitoring your True freezer's temperature is essential for ensuring it operates correctly. Here are some tips for effective temperature monitoring:

- Use a Freezer Thermometer: Invest in a good quality freezer thermometer to get an accurate reading of the internal temperature, especially if your freezer does not have a digital display.
- Check Temperature Regularly: Make it a habit to check your freezer’s temperature at least once a week. This routine can help you identify any issues early on.
- Monitor During Power Outages: If your power goes out, check the internal temperature when the power is restored. If it has risen above 0°F (-18°C), consider discarding any perishable items.

Signs of Temperature Issues

Be aware of the following signs that indicate potential temperature issues in your True freezer:

- Frost Build-Up: Excessive frost can indicate that the door is not sealing properly, leading to temperature fluctuations.
- Unusual Noise: If your freezer is making strange sounds, it could be a sign of a malfunctioning compressor or fan.
- Food Texture Changes: If your food is developing ice crystals or freezer burn, it may not be maintaining the right temperature.

Maintaining Your True Freezer

To ensure your True freezer continues to operate effectively, regular maintenance is crucial. Here are some essential maintenance tips:

- Keep the Door Seals Clean: Wipe down the door seals regularly to ensure they close properly. A dirty seal can cause air leaks, leading to temperature fluctuations.
- Defrost When Necessary: If frost buildup exceeds 1/4 inch, it's time to defrost your freezer. Excess frost can hinder airflow and impact temperature control.
- Clean the Condenser Coils: Dust and debris can accumulate on the condenser

coils, making it harder for your freezer to maintain the right temperature. Clean these coils at least twice a year.
- Check the Drainage: Ensure the defrost drain is clear to prevent water from accumulating inside the freezer.

Common Questions About True Freezer Temperature Control

What is the ideal temperature for a True freezer?

The ideal temperature for a True freezer is 0°F (-18°C). This temperature ensures that food is frozen solid and helps maintain its quality.

How often should I check my True freezer’s temperature?

You should check your freezer’s temperature at least once a week. Regular monitoring helps you catch any fluctuations before they affect your food.

What should I do if my True freezer is not maintaining the correct temperature?

If your True freezer is not maintaining the correct temperature, check for issues such as door seal problems, excessive frost buildup, or a malfunctioning thermostat. If the problem persists, consider contacting a professional technician for repair.

Conclusion

A **true freezer temperature control manual** is an indispensable tool for anyone looking to maintain their freezer's efficiency and safety. By understanding how to set and monitor the temperature, recognizing signs of potential issues, and performing regular maintenance, you can ensure that your True freezer operates optimally for years to come. Maintaining the right temperature not only preserves the quality of your food but also contributes to food safety and energy efficiency.

Frequently Asked Questions

What is the ideal temperature range for a true freezer?

The ideal temperature range for a true freezer is typically between -10°F and 0°F (-23°C to -18°C) to ensure optimal food preservation.

How can I check if my true freezer is maintaining the correct temperature?

You can check the temperature of your true freezer by using an appliance thermometer placed in the center of the freezer, ensuring it is not touching any food items.

What should I do if my true freezer is not reaching the desired temperature?

If your true freezer is not reaching the desired temperature, check the door seals for any gaps, ensure the unit is properly ventilated, and consider adjusting the thermostat or calling a technician for repairs.

How often should I calibrate the temperature settings on my true freezer?

It is recommended to calibrate the temperature settings on your true freezer every few months or whenever you notice a significant change in temperature accuracy.

Are there specific maintenance tips for ensuring accurate temperature control in true freezers?

Yes, regular maintenance tips include cleaning the condenser coils, checking door seals, avoiding overloading the freezer, and allowing proper airflow around the unit.

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