



SPECIFICATIONS

**MODEL: TK3-1
BLAST CHILLER & SHOCK FREEZER**

This specification covers model TK3-1 reach-in blast chiller and shock freezer from **Thermo-Kool®**.

CAPACITY: TK3-1 is designed for:

- Three GN 1/1 food pans up to 2-1/2" deep
- Three 4L gelato/ice cream containers
- Three 5L gelato/ice cream containers
- One 12L gelato/ice cream container

WEIGHT (LB):

- Net: 141
- Shipping: 165

PERFORMANCE: TK3-1 blast chills up to 29 lb of product from 165°F to 37°F within two hours and shock freezes up to 20 lb of product from 165°F to 0°F within four hours. TK3-1 performance exceeds HACCP/FDA Food Code guidelines and NSF 7.

CONSTRUCTION: TK3-1 is constructed entirely of 304 stainless steel. The cabinet and the door are foamed-in-place using CFC-free polyurethane insulation.

The electrical control and refrigeration systems are located on top of the unit in a no spill/splash zone allowing for easy operation and maintenance.

The cabinet is designed with a back step for enhanced condensing unit ventilation.

The door has a seamlessly integrated handle built in and a sanitary magnetic gasket that is easily removable for cleaning and assures a tight door seal. An innovative design feature allows the door to be ordered hinged left or right and is field reversible.

Standard unit features include: Removable drain pan, heavy-duty, three-inch casters (two with brakes), and one 304 stainless steel, wire shelf.

REFRIGERATION SYSTEM: TK3-1 has a self-contained, air-cooled refrigeration system utilizing R-404A refrigerant, and is complete with all required controls and accessories.

A unique three-way, indirect air flow system within the food compartment, combined with a multipoint injection evaporator, delivers a close gradient temperature over the product.

CONTROL SYSTEM: The TK3-1 control system is based on the latest microcontroller technology and comes standard with one food probe and one air probe that monitor temperatures and control the unit while operating in the fully automatic mode. The unit is also fully functional in manual mode.

Various cycles are available: soft chill, hard chill, shock freeze, and evaporator defrost. At the end of any chill or freeze cycle, the unit will automatically switch to a holding mode to keep the product at safe temperatures.

The controller has a real time clock for documentation purposes as well as a built-in dry contact for an external alarm/phone dialer connection.

ELECTRICAL: 115VAC, 1Ph, 60Hz, 15 Amps circuit.

A six-foot power cord with NEMA 5-15P plug is provided.

INSTALLATION: A detailed owner's manual is provided with every unit. This manual must be carefully followed to ensure proper operation and protect the warranty.

WARRANTY: The warranty covers parts found to be defective and the labor required to replace them for a period of one year from the date of shipment. For full warranty details please refer to the **Thermo-Kool®** standard warranty shipped with each unit or available upon request.

APPROVALS: Safety approval according to UL 471 and sanitation approval according to NSF 7 as tested by ETL/INTERTEK.



Product Load Per Cycle:

Chills up to 29 lb from 165°F to 37°F within two hours
Freezes up to 20 lb from 165°F to 0°F within four hours

OPTIONS:

- Serial printer for complete HACCP documentation
- PC connection for complete HACCP documentation
- Additional 304 stainless steel wire shelves
- Heavy-duty stainless steel adjustable leg kits

Refrigeration:

4800 Btu/H (20°F Evap. Temp./105°F Cond. Temp.)

Electrical:

115 VAC, 1Ph, 60Hz, 15 Amps Circuit
NEMA 5-15P

