

Researchers worldwide protect more than two billion samples inside Thermo Scientific cold storage equipment. With proven solutions including +4°C refrigerators to -196°C cryogenic freezers and Thermo Scientific Nalgene and Nunc consumables, you're free to concentrate on your work without worrying about your valuable samples.

Thermo Scientific Forma -40°C Lab Freezers

Uprights for researchers who require stable temperature storage and high/low temp alarms



Everyday reliability for peace of mind

Our Forma® -40°C lab freezers share many of the same high-quality design elements of our well-known -86°C freezers. Like those ultra-low temperature models, our -40°C freezers perform reliably day-after-day so you can focus on your work, not worry about your samples.

Ease of use

- Ergonomically-designed handle ensures that minimal effort is required during freezer openings and closings. You can hold samples in one hand and open or close the freezer with the other.
- Vacuum relief port allows pressure to equalize quickly, permitting easy re-entry after door closings.

Proven performance for safe sample storage

- Adjustable temperature range of -10°C to -40°C makes these freezers suitable for a wide range of biological and industrial applications.
- Heavy-duty construction, foamed-in-place insulation, carefully designed refrigeration system, and triple point door gasket ensure temperature stability, long compressor life, reduced power consumption, and fast temperature recovery after door closings.
- Voltage compensator detects the line frequency, monitors the incoming voltage, and automatically adjusts the compressor voltage, reducing wear and tear on the compressor and increasing the life and performance of the freezer.

Thermo Scientific Forma -40°C Lab Freezers

Specification	Benefit
Temperature Range -10°C to -40°C	Suitable for a wide variety of applications
Models & Capacities Model 722 (727) 13.0 cu. ft. (368.1 L) upright Model 728 (729) 17.3 cu. ft. (489.9 L) upright	Choice of two sizes to accommodate your specific lab space and capacity requirements
Construction & Shelving Interior Powder coated, galvanized interior Exterior Heavy gauge steel Door Gasket Triple point, silicone Design Cold wall design with top feed evaporator Shelving 3 fixed position shelves, solid stainless steel	Durable, easy to clean Rugged for long life Tight seal for product protection, energy efficient thermal barrier keeping cold air in and room temperature air out so compressor doesn't have to operate as often, increases compressor life No need for defrost cycle, more stable temperature Support maximum capacity
Dimensions & Clearance Requirements Exterior Model 722 (727) 33.3"W x 77.8"H x 31.0"F-B (84.6 cm x 197.6 cm x 78.7 cm) Model 728 (729) 33.3"W x 77.8"H x 37.0"F-B (84.6 cm x 197.6 cm x 94.0 cm) Interior Model 722 (727) 23.0"W x 51.5"H x 19.3"F-B (58.4 cm x 130.8 cm x 49.0 cm) Model 728 (729) 23.0"W x 51.5"H x 25.3"F-B (58.4 cm x 130.8 cm x 64.3 cm) Clearance Add 3.4" (8.6 cm) to W for latch/hinge; add 5.5" (14.0 cm) to F-B for control panel bezel/wall spacer	Freezer passes through 34.0" (86.4 cm) wide doorway with door open
Refrigeration HP One 1 HP (2545 BTUH)	
Insulation Type Non-CFC, foamed-in-place polyurethane Quantity 5.0" (12.7 cm) in the cabinet, 4.5" (11.4 cm) in the door	Reduces the amount of power consumed, allows the cabinet to reach and maintain temp setpoint, prevents condensation on the cabinet exterior
Electrical, Breaker Requirements, & Plug Model 722/728 120V, 60 Hz, 10.0 FLA (Operating range 108-130V) 15 Amp, Dedicated Circuit, Time Delay Breaker Model 727/729 230V, 50/60 Hz, 6.5 FLA (Operating range 208-240V) 15 Amp, Dedicated Circuit, Time Delay Breaker Alarms Power failure, high or low temp, probe failure, door open, clean gasket, low battery, hot condenser, clean filter Alarm Contacts "Dry" contacts	NEMA 5-15P Hospital Grade Plug NEMA 6-15P Hospital Grade Plug Continuous monitoring Connection to an optional remote alarm or telephone dialing system
Weight Model 722 (727) 605 lbs. (274.4 kg) Model 728 (729) 690 lbs. (313.0 kg) Shipping (Motor) Model 722 (727) 712 lbs. (323.0 kg) Model 728 (729) 795 lbs. (360.6 kg)	
Warranty 1 year parts & labor, with 2 additional years on the compressor, parts only; customers outside the U.S. should contact their local distributor for details	Minimize operation cost, provide peace of mind



© 2010 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.

North America: USA/Canada +1 866 984 3766 (866-9-THERMO)

www.thermo.com/cold

Europe: Austria +43 1 801 40 0, Belgium +32 2 482 30 30, France +33 2 2803 2180, Germany national toll free 08001-536 376, Germany international +49 6184 90 6940, Italy +39 02 02 95059 434-254-375, Netherlands +31 76 571 4440, Nordic/Baltic countries +358 9 329 100, Russia/CIS +7 (812) 703 42 15, Spain/Portugal +34 93 223 09 18, Switzerland +41 44 454 12 12, UK/Ireland +44 870 609 9203

Asia: China +86 21 6865 4588 or +86 10 8419 3588, India toll free 1800 22 8374, India +91 22 6716 2200, Japan +81 45 453 9220,

Other Asian countries +852 2885 4613 **Countries not listed:** +49 6184 90 6940 or +33 2 2803 2180

DSCSFORMA40 0610

Thermo
SCIENTIFIC