

Thermo Scientific HERAFreeze® Freezers

Solutions for Safe Sample Storage



Ensure the easy retrieval of precious samples and minimize sample exposure to ambient conditions with our available racks and accessories.

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 Nalgene® and Nunc™ consumables, you're free to concentrate on your work without worrying about your valuable samples.

Our freezers are precision-engineered to provide reliable, user-friendly operation and the safe, protected ultra-low temperature environment your precious samples require.

superior reliability

-86°C Upright Freezers

Energy-efficient upright freezers maximize storage capacity and minimize operating costs. Upright models are ideal for everyday storage, and maintain constant temperatures even when doors are opened frequently.

-86°C Chest Freezers

Maximize storage capacity and minimize operating costs. Chest freezers provide a safe, stable environment for long-term storage and sample archiving.

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Thermo Scientific HERAFreeze Freezers

-86°C Upright and Chest Freezers



Two levels of control

Top – for critical storage needs

Our Top control features an intuitive microprocessor control system that offers comprehensive remote monitoring capabilities and incorporates an RS232 interface for data download to a PC.

- Easy input of temperature and high/low alarm set points
- Set parameters for temperature back-up, alarm delay and lock on/off
- Continuous remote monitoring of compressor function, condenser temperature, door/lid open and ambient temperature

Energy-efficient upright freezers maximize storage capacity and minimize operating costs. Upright models are ideal for everyday storage and maintain constant temperatures even when doors are opened frequently.

Maximize storage capacity and minimize operating costs. Chest freezers provide a safe, stable environment for long-term sample storage.

Basic – for reliable non-critical storage

Our Basic control incorporate an easy-use solid-state control system with an RS232 option.

- Digital setpoint and display
- Pre-set audible overtemperature alarm
- Monitoring of compressor function and door/lid open



HERAFreeze Upright Freezers Specifications

Temperature Range -50°C to -86°C

Model No	Capacity Cu Ft (L)	Electrical	Amps/Breaker (Plug)	Interior Dimensions H x W x D inches (mm)	Exterior Dimensions H x W x D inches (mm)	Shipping Weight lbs (kg)
HFU1385BASIC-V	13.4 (379)	230V/50 Hz 1Ø	12/16 (P7)	50.5 x 23.5 x 19.5 (1280 x 590 x 490)	77.5 x 37.1 x 31.3 (1970 x 942 x 795)	655 (297)
HFU1385TOP-V	13.4 (379)	230V/50 Hz 1Ø	12/16 (P7)	50.5 x 23.5 x 19.5 (1280 x 590 x 490)	77.5 x 37.1 x 31.3 (1970 x 942 x 795)	655 (297)
HFU1785BASIC-V	17.2 (487)	230V/50 Hz 1Ø	12/16 (P7)	50.5 x 23.5 x 25.0 (1280 x 590 x 630)	77.8 x 36.7 x 35.5 (1975 x 931 x 901)	720 (326)
HFU1785TOP-V	17.2 (487)	230V/50 Hz 1Ø	12/16 (P7)	50.5 x 23.5 x 25 (1280 x 590 x 630)	77.8 x 36.7 x 35.5 (1975 x 931 901)	720 (326)
HFU2185BASIC-V	20.2 (572)	230V/50 Hz 1Ø	12/16 (P7)	50.5 x 28.5 x 24.25 (1280 x 720 x 620)	77.8 x 41.7 x 36.2 (1975 x 1058 x 920)	770 (349)
HFU2185TOP-V	20.2 (572)	230V/50 Hz 1Ø	12/16 (P7)	50.5 x 28.5 x 24.3 (1280 x 720 x 620)	77.8 x 41.7 x 36.2 (1975 x 1581 x 920)	770 (349)
HFU2585BASIC-V	24.4 (691)	230V/50 Hz 1Ø	12/16 (P7)	50.5 x 34.5 x 24.25 (1280 x 876 x 620)	77.8 x 47.7 x 36.2 (1975 x 1210 x 920)	830 (376)
HFU2585TOP-V	24.4 (691)	230V/50 Hz 1Ø	12/16 (P7)	50.5 x 34.5 x 24.3 (1280 x 880 x 620)	77.8 x 47.7 x 36.2 (1975 x 1210 x 920)	830 (376)

HERAFreeze Chest Freezers Specifications

Temperature Range -50°C to -86°C

Model No	Capacity Cu Ft (L)	Electrical	Amps/Breaker (Plug)	Interior Dimensions H x W x D inches (mm)	Exterior Dimensions H x W x D inches (mm)	Shipping Weight lbs (kg)
HFC390BASIC-V	3.1 (88)	230V/50Hz 1Ø	12/16 (P7)	17.0 x 17.0 x 19 (430 x 430 x 480)	44.5 x 29.9 x 30.2 (1156 x 760 x 766)	415 (188)
HFC390TOP-V	3.1 (88)	230V/50Hz 1Ø	12/16 (P7)	17.0 x 17.0 x 19 (430 x 430 x 480)	44.5 x 29.9 x 30.2 (1156 x 760 x 766)	415 (188)
HFC790BASIC-V	6.8 (193)	230V/50Hz 1Ø	12/16 (P7)	26.5 x 23.5 x 19.0 (670 x 590 x 480)	41.0 x 48.5 x 31.8 (1040 x 1240 x 808)	525 (238)
HFC790TOP-V	6.8 (193)	230V/50Hz 1Ø	12/16 (P7)	26.5 x 23.5 x 19.0 (670 x 590 x 480)	41.0 x 48.5 x 31.8 (1040 x 1240 x 808)	525 (238)
HFC1090BASIC-V	10.3 (292)	230V/50Hz 1Ø	12/16 (P7)	26.5 x 35.25 x 19.0 (670 x 890 x 480)	41.0 x 60.25 x 31.8 (1040 x 1530 x 808)	680 (308)
HFC1090TOP-V	10.3 (292)	230V/50Hz 1Ø	12/16 (P7)	26.5 x 35.25 x 19.0 (670 x 890 x 480)	41.0 x 60.25 x 31.8 (1040 x 1530 x 808)	680 (308)
HFC1490BASIC-V	13.7 (388)	230V/50Hz 1Ø	12/16 (P7)	26.5 x 47.0 x 19.0 (670 x 1190 x 480)	41.0 x 72.0 x 31.8 (1040 x 1830 x 808)	650 (295)
HFC1490TOP-V	13.7 (388)	230V/50Hz 1Ø	12/16 (P7)	26.5 x 47.0 x 19.0 (670 x 1190 x 480)	41.0 x 72.0 x 31.8 (1040 x 1830 x 808)	650 (295)
HFC1790BASIC-V	17.1 (484)	230V/50Hz 1Ø	12/16 (P7)	26.5 x 58.75 x 19.0 (670 x 1490 x 480)	41.0 x 83.75 x 31.8 (1040 x 2130 x 808)	770 (350)
HFC1790TOP-V	17.1 (484)	230V/50Hz 1Ø	12/16 (P7)	26.5 x 58.75 x 19.0 (670 x 1490 x 480)	41.0 x 83.75 x 31.8 (1040 x 2130 x 808)	770 (350)
HFC2090BASIC-V	20.5 (580)	230V/50Hz 1Ø	12/16 (P7)	26.5 x 70.5 x 19.0 (670 x 1790 x 480)	41.0 x 95.5 x 31.8 (1040 x 2430 x 808)	940 (427)
HFC2090TOP-V	20.5 (580)	230V/50Hz 1Ø	12/16 (P7)	26.5 x 70.5 x 19.0 (670 x 1790 x 480)	41.0 x 95.5 x 31.8 (1040 x 2430 x 808)	940 (427)