

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 HERAfreeze SI 311 L Upright Freezers

Space-Efficient, High-Capacity

### Our Thermo Scientific HERAfreeze SI 311 L (11 cu. ft.) upright freezers feature exclusive thin wall SI technology



A narrow footprint of 673 x 940 mm requires minimal lab floor space

#### SI Technology

- Highly-efficient, innovative thin wall insulation technology allows for expanded interior storage without increasing the exterior cabinet footprint

#### Cabinet Features

- Five inner doors constructed of high impact plastic create independent storage compartments
- Each inner door is mounted on a continuous hinge for optimal sample protection and increased service life
- Inner doors operate independently to minimize sample exposure
- Pressure Equalization Port (PEP) rapidly equalizes cabinet pressure by metering controlled amounts of atmospheric air into the storage chamber after door opening

#### HERAfreeze Basic – for reliable non-critical storage

Our Basic control incorporates an easy-to-use, solid-state control system with dry contacts for remote alarm monitoring.

- Digital temperature display
- Key-operated main power switch
- Integrated overtemperature safety alarm with battery back-up and audible warning of temperature deviation

#### Racks and Accessories

A complete variety of racks, accessories and consumables are available. Ask your representative for more information.

## Thermo Scientific HERAfreeze SI Freezers Specifications

| Temperature Range -50°C to -86°C |                      |              |                     |   |   |                          |
|----------------------------------|----------------------|--------------|---------------------|---|---|--------------------------|
| Model No                         | Capacity L (cu. ft.) | Electrical   | Amps/Breaker (Plug) | Interior Dimensions H x W x D mm (inches) | Exterior Dimensions H x W x D mm (inches) | Shipping Weight kg (lbs) |
| HFU1185SIBASIC-V                 | 311 (11)             | 230V/50Hz 1Ø | 7.5/15 (P7)         | 1283 x 508 x 470 (50.5 x 20.0 x 18.5)     | 1918 x 940 x 673 (75.5 x 37.0 x 26.5)     | 274 (605)                |

## Thermo Scientific HERAfreeze Rack Systems

| Vials     |   |                         |                            |                            |                             |             |               |
|-----------|---|-------------------------|----------------------------|----------------------------|-----------------------------|-------------|---------------|
| Cat No    | Description H x F-B x W (mm)                                  | Freezer Vol L (cu. ft.) | Qty of 50 mm (2 in.) Boxes | Qty of 80 mm (3 in.) Boxes | Qty of 102 mm (4 in.) Boxes | Racks/Shelf | Racks/Freezer |
| H6C4-3/SA | Variable Side-Access Rack (240 x 425 x 137)                   | 311 (11)                | 12                         | 9                          | –                           | 3           | 15            |
| H6C4/00   | Front Access Rack with four pull-out trays (240 x 415 x 140)  | 311 (11)                | 12                         | –                          | –                           | 3           | 15            |
| H6C4/3/00 | Front Access Rack with three pull-out trays (240 x 415 x 140) | 311 (11)                | –                          | 9                          | –                           | 3           | 15            |
| H6C4/2/00 | Front Access Rack with two pull-out trays (240 x 415 x 140)   | 311 (11)                | –                          | 9                          | 6                           | 3           | 15            |

| Microplates |  |                         |                 |                     |             |               |
|-------------|--|-------------------------|-----------------|---------------------|-------------|---------------|
| Cat No      | Description H x F-B x W (mm)                                 | Freezer Vol L (cu. ft.) | Deepwell Plates | Shallow-Well Plates | Racks/Shelf | Racks/Freezer |
| H6C4/MP/SA  | Side-Access Rack (240 x 370 x 137)                           | 311 (11)                | 16              | 48                  | 3           | 15            |
| H6C4/MP     | Front-Access Rack with four pull-out trays (240 x 420 x 140) | 311 (11)                | 16              | 48                  | 3           | 15            |

## Thermo Scientific HERAfreeze Inventory Accessories

| Accessories |  |
|-------------|--|
| Cat No      | Description  |
| 5954        | 50 mm high fiberboard boxes (2 inches) – packaged in lots of one dozen     |
| 5956        | 80 mm high fiberboard boxes (3 inches) – packaged in lots of one dozen     |
| 6667        | Upright shelf (379 L) – includes 5 clips for left, rear and center support |



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