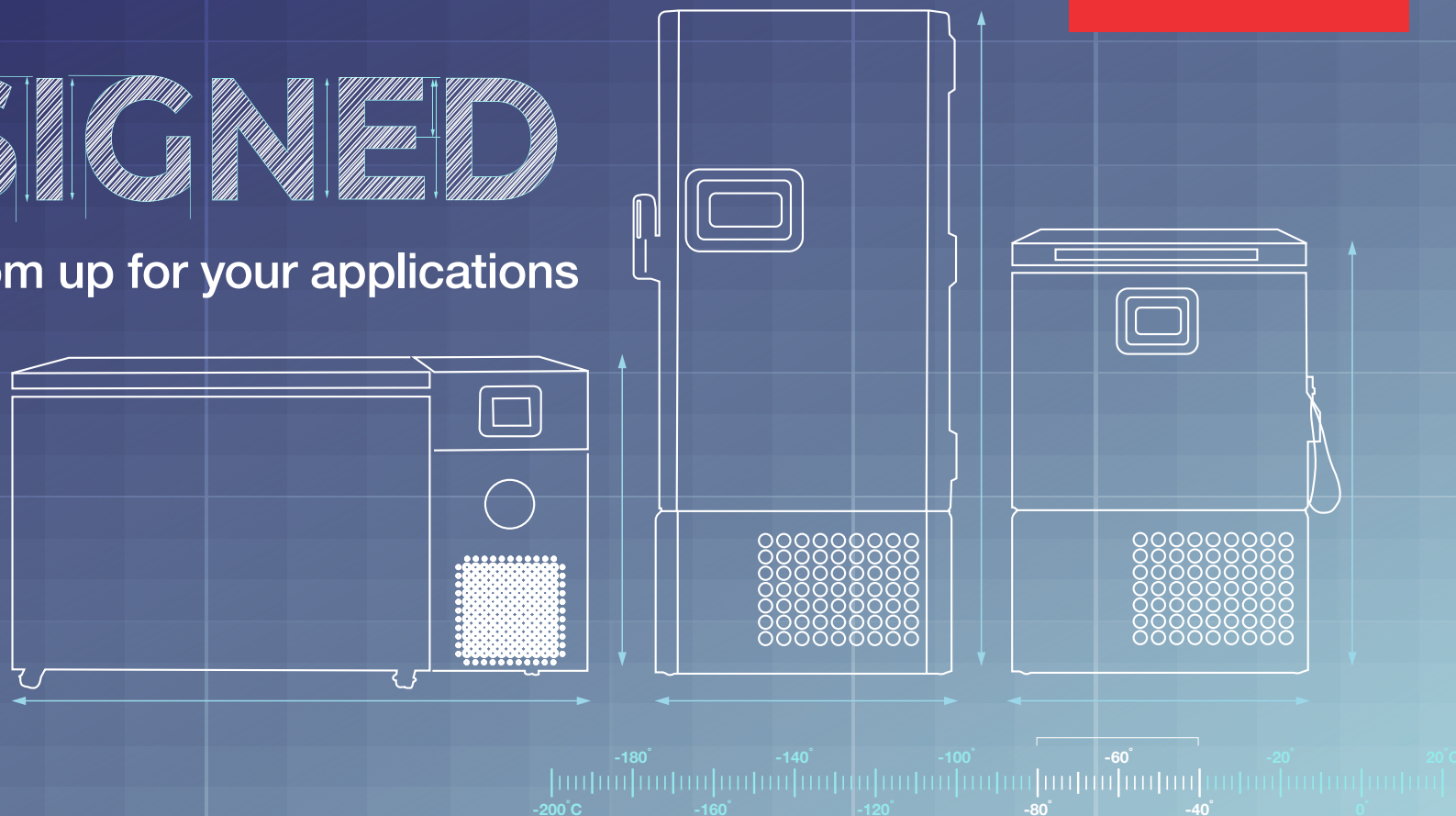


# DESIGNED

From the bottom up for your applications



## Five reasons

to consider Thermo Scientific ULT freezers



# Designed with your science in mind

## 5 reasons: for choosing ultra-low temperature freezers

At Thermo Fisher Scientific, we understand the significance of your work – it extends beyond the realm of science and touches the lives of those who benefit from your breakthroughs.

Our cold storage journey began with the introduction of the Thermo Scientific™ Ultra-Low Temperature (ULT) freezers in 1940, and it continues to evolve today. With the collective expertise inherited from our renowned brands like Thermo Scientific™ Revco™, Forma™, Jewett™, Harris®, and more, we are empowered to consistently pioneer cutting-edge technology; designed from the bottom up.



Learn more at [thermofisher.com/ULT](https://www.thermofisher.com/ULT)





# 1 Quality assurance

## 100%

Thermo Scientific ULTs are tested at the component & system level with a 20-point reliability test, 16+ probe location performance test, and 100% end of line test.

## 12

TSX series ULTs are backed by an industry leading 12-year compressor parts and 5-year parts and labor warranty.

Our commitment to quality assurance is at the core of our ULT innovation. We are dedicated to supporting our customers' needs, continuously improving our processes, and empowering our staff to help ensure we deliver exceptional ultra-low temperature freezers.

From concept to post-production delivery, reliability remains at the forefront, which enables us to offer industry-leading warranties for our ULTs.

### Designed for reliability

#### Compressor

#### Electronics

#### Cabinet

#### Seal system

- High Usage Test
- 20 Parameter Test Procedure
- Vibration Testing

### Tested for reliability

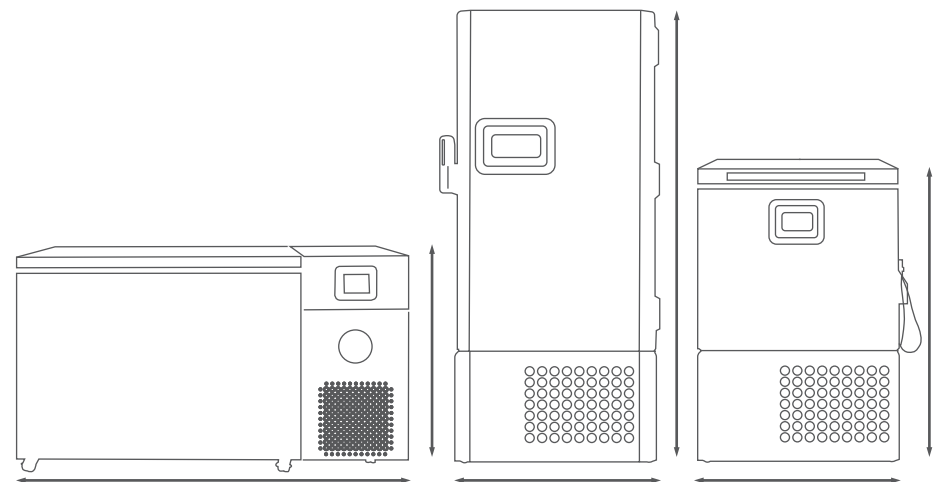
#### Multi-Ambient Testing

- Tested at 15°C, 20°C & 32°C
- Minimum 16 open air probes
- Peak variation, stability, uniformity
- Door open recovery

### Evaluated to ensure quality

#### 100% End of line test

- Temp pull down
- Monitoring compressor cycling
- Defrost temperatures
- Warmup time
- Bottom out temperature



## 2 Trusted performance

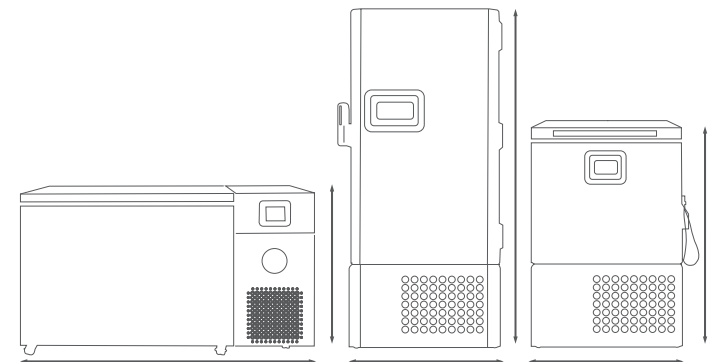
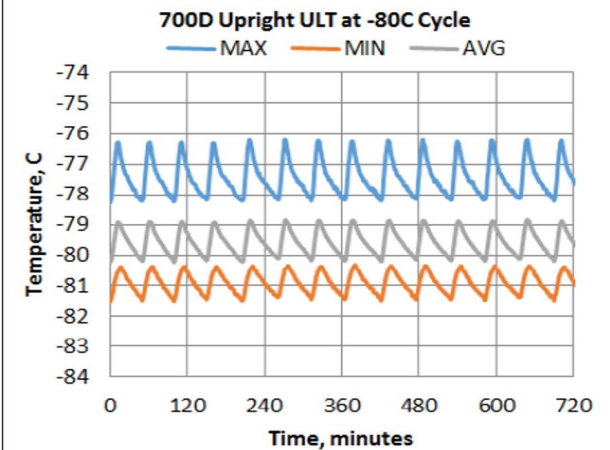
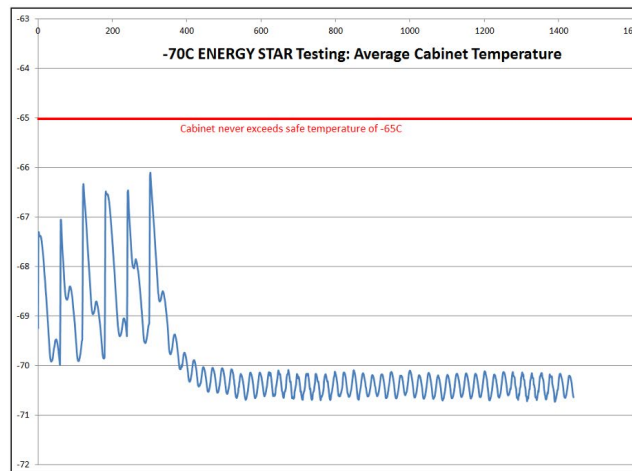
# 0

0-minute door opening recovery time back to safe temperatures based on the ENERGY STAR<sup>®</sup> test method and less than 30 minutes for a full 1-minute opening.

# +/-5

Tight +/-5C peak variation protects samples throughout the entire freezer cabinet

Our ULTs offer reliable temperature stability and uniformity to help guarantee samples are preserved. Regardless of where samples are placed within the freezer, the conditions of the room, frequency of use, the freezer's storage capacity, or how long it operates, our ULT freezers are designed to fulfill their purpose: protecting your samples without compromise.








# 3

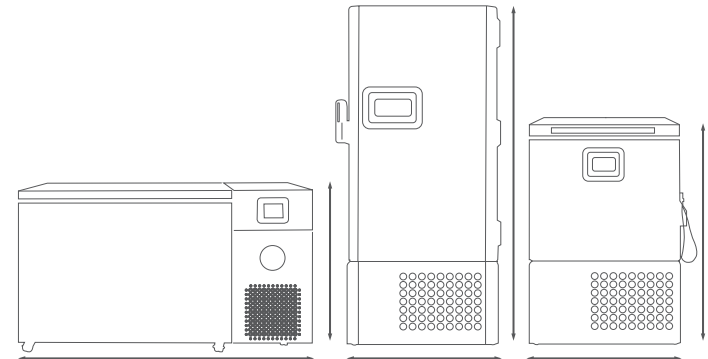
## Environmental sustainability

200+

Over 200 ENERGY STAR– certified cold storage products. Over 150 My Green Lab ACT labelled products.

By using green refrigerants, designing for energy efficiency and building our products with recyclable materials whenever possible, we seek to reduce our environmental impact and help others do the same. We are committed to achieve net-zero emissions by 2050, and we are continuously investing in reducing the environmental impact of our products and packaging—designing from the bottom up to help protect the planet.

Less hazardous	Less waste	Energy efficient	Responsible packaging	Extended life
Natural refrigerants and green foam	Zero waste manufacturing and recycled material	Low energy and ENERGY STAR–certified	Recycled material and localized production	Long life and recyclable
				
We use natural refrigerants and insulation with extremely low GWP & ODP levels, far lower than current regulatory requirements.	Asheville is a zero waste to landfill site and our lab freezers are manufactured with 60–70% recycled steel.	The largest catalog of ENERGY STAR–certified freezer solutions on the market, provide substantial energy savings.	We use locally sourced, and 100%-by-weight recycled corrugate packaging and manufacture regionally to reduce transport emissions.	Industry leading 12-year warranty and recycling programs for retired cold storage.



# 4

## Ease of Use

# 100+

With over 100 unique ultra-low freezer models that include a wide variety of sizes, features, and performance characteristics- we enable labs to choose a solution that adapts to their storage needs.

### Versatile & Durable Storage

- 8 size options
- Chest & Upright configurations
- 2/4/5 Inner Door Options
- Adjustable Shelves
- 100s of rack options
- High Density Footprint
- Stainless Steel Interiors
- Extra Large Capacity
- 7 Point Gasket Design
- Vacuum Insulation Panels
- Cold Rolled Steel Cabinet
- Door Ramp & Support
- Onboard Diagnostics

### Compliance & Security

- FDA II Medical Device Class
- AABB SCPE Certified
- IQ/OQ Documents
- ISO 5.5 Clean Room\*
- Factory Acceptance Reports
- Calibration Certificates
- Event & Temperature Logs
- Settings Security
- Electronic Locks
- LN<sub>2</sub> & CO<sub>2</sub> Back-Up Systems
- Back-Up Battery
- Status Lightbar

### Ergonomics & Convenience

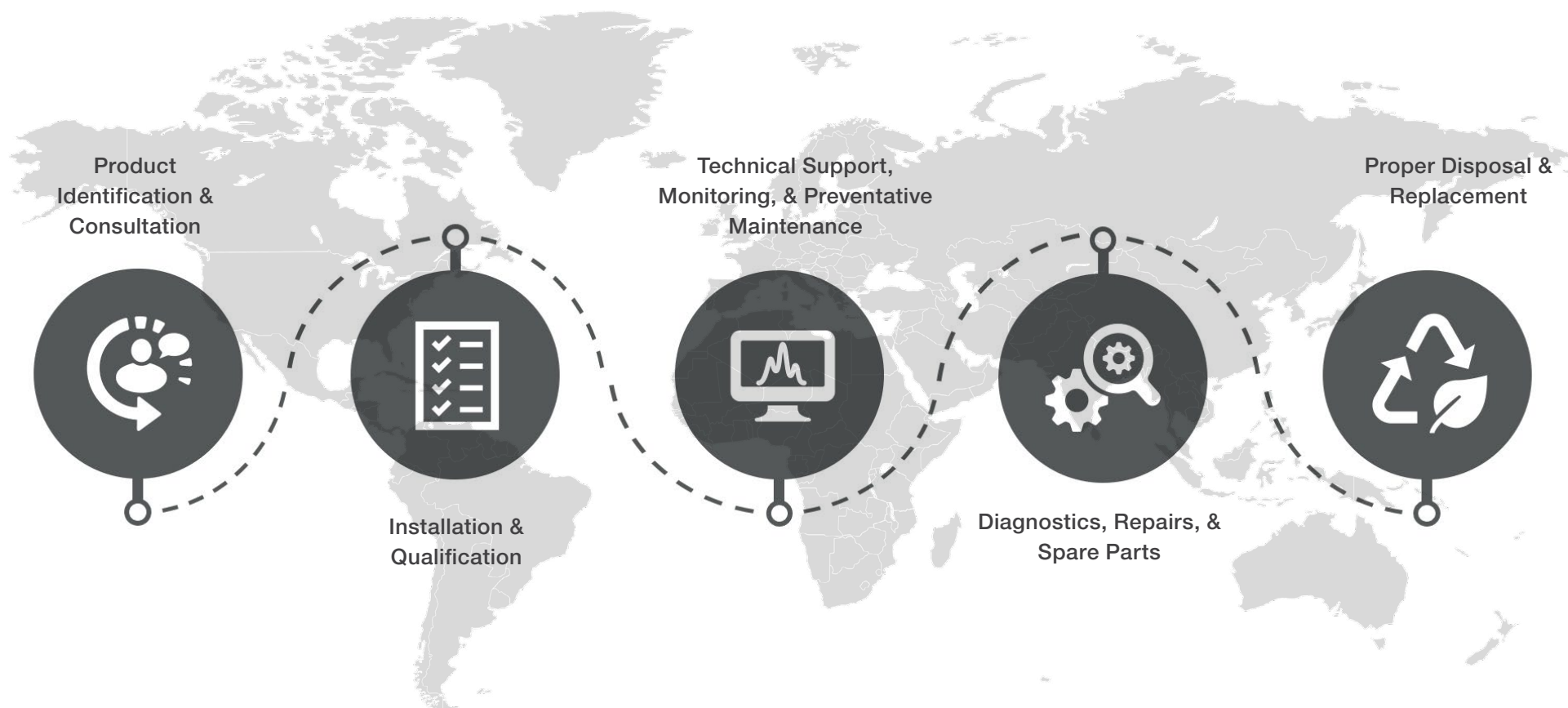
- Soft grip Touch Handle
- Customizable Display
- Eye Level Display
- High Contrast Large Text
- Automatic Pressure Relief
- Frost Management System
- Multiple Access Ports
- Connectivity Ready
- Easy Roll Casters
- Easy to Clean Surfaces
- Whisper Quiet
- Plug-In Anywhere

\*Test according to ISO 14644-14 and designated as ISO Class 5.5; operational; 0.1 µm, 0.2 µm, 0.3 µm, 0.5 µm, 1.0 µm

# 5

## Service and support

At Thermo Fisher Scientific our greatest strength is our employees who are ready to support our customers throughout their products' life cycle.



No matter your location, our extensive global network of thousands of sales, application, customer service, technical support, qualification, service, dealership, and other support specialists is ready to serve you.



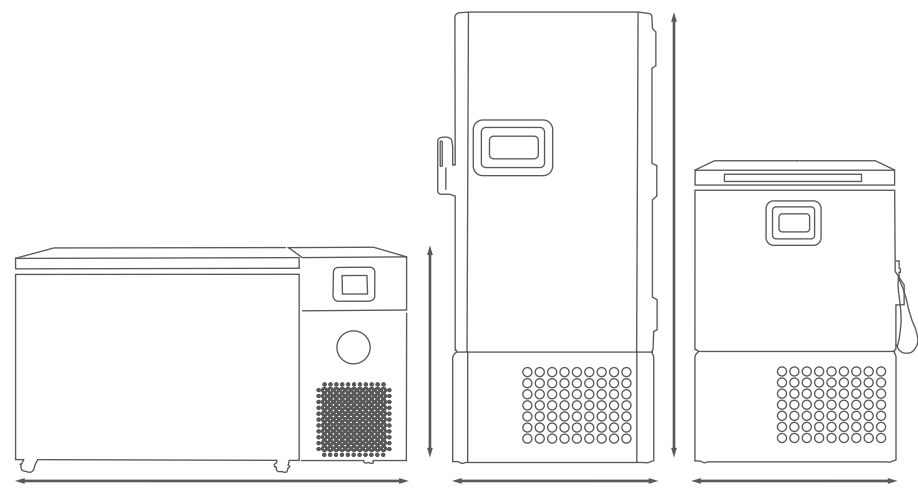
**Transparency in Sustainability: The ACT label**  
**A guide for making greener product choices**

When you're looking for sustainable products, we believe it should be easy to make informed purchasing decisions. We're working to provide more information about our products' environmental impact by stepping up to participate in the ACT Label program with selected cold storage lab equipment.

Created by non-profit organization My Green Lab to help consumers make smart, sustainable product choices, the virtual ACT Label provides environmental Accountability, Consistency, and Transparency for each labeled product through an environmental impact score. The score is based on the product's environmental impact with regard to manufacturing practices, energy and water use, and end-of-life disposal. It's like an eco-nutrition label for lab products.

Participating in this program is one more way we're partnering to deliver sustainable solutions to help laboratories impact the world in all the right ways, and helping enable more informed sustainable purchasing decisions.

[Watch video](#)



Learn more at [thermofisher.com/ult](https://thermofisher.com/ult)

**thermo**scientific

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