



**Thermo Scientific New Construction
and Lab Renovation Solutions**

Supporting the
architecture of science

Thermo
SCIENTIFIC



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You're building a space for the future. Your vision integrates form, flexibility and functionality. Collaborate with a partner who speaks your language and appreciates the complexity of your project. Innovate with a support team whose expertise and experience seamlessly integrates with you from the earliest design stages throughout the life of the lab.

Let us help you build
smarter labs with our:

Deep Scientific Expertise

As a direct response to the needs of the market, we create innovative technologies that help you design a space that will meet the most complex needs for the lab.

Collaborative Culture

Trust the world leader in serving science, focused on working with you to build a lab uniquely suited to your client's functionality and form.

Valuable Resources

Backed by a dedicated new construction support and service team with tools created with you in mind. We aim to provide you with everything needed to make the best decisions for your client.

Proven Performance

Feel confident in the quality and breadth of our portfolio that work together to create a functional lab.

Thermo Scientific Biological Safety Cabinets

Trust our biological safety cabinets (BSCs), which offer proven reliability, energy efficiency and ergonomics.

Proven Reliability

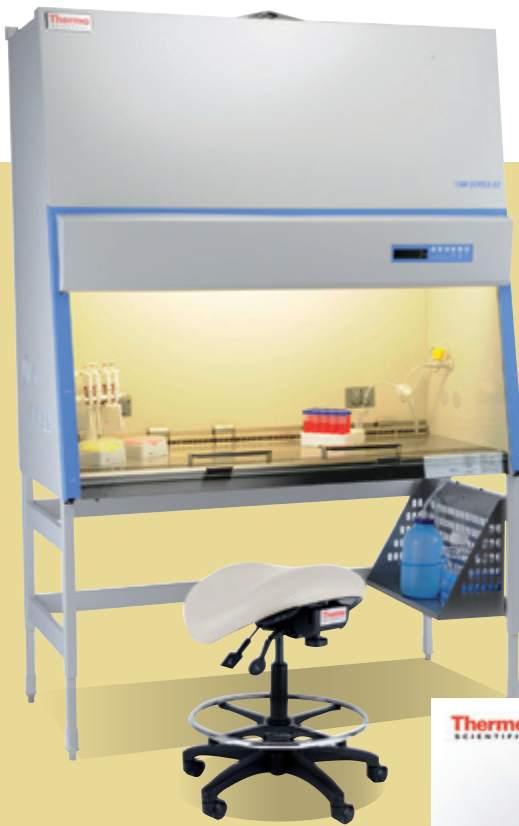
- Validated in all globally recognized safety standards for BSC performance including EN12469, NSF/ANSI 49, and YY0569
- 5-year SmartPromise comprehensive limited warranty*

Outstanding Energy Efficiency

- On average, our DC motor design uses 75% less energy than traditional AC motor cabinets**
- Industry leader in operational cost efficiency with energy consumption as low as 150W**

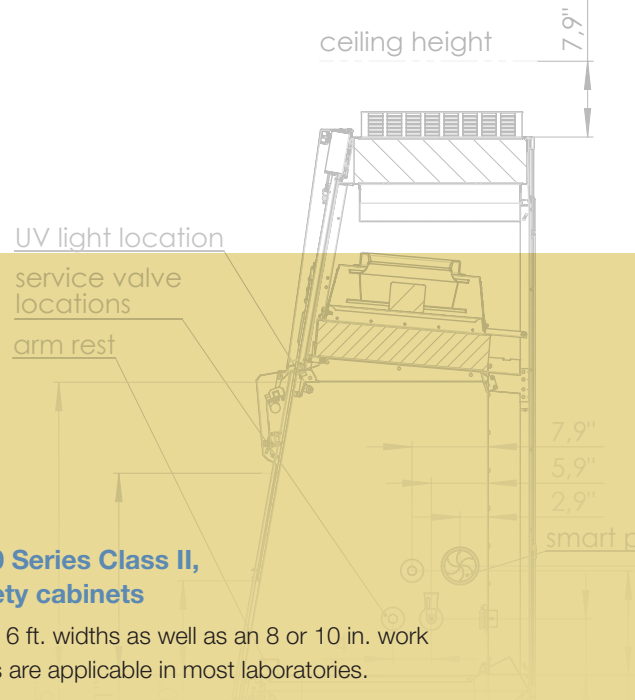
Ergonomic Design

- Sloped front window aids in reducing user fatigue
- Front air-grill armrest extends user reach inside cabinet
- Quiet airflow design offers noticeably reduced noise level



Thermo Scientific 1300 Series Class II, Type A2 biological safety cabinets

With a choice of 3, 4, 5 and 6 ft. widths as well as an 8 or 10 in. work aperture, 1300 Series BSCs are applicable in most laboratories.



Thermo Scientific Herasafe KS Class II, Type A2 biological safety cabinets

With a choice of 3, 4, 5 and 6 ft. widths and 10 in. work aperture, Herasafe KS BSCs are ideal for labs with advanced applications, such as pharmaceutical labs.

* 5-year warranty only available on biological safety cabinets in the United States and Canada. Subject to the terms of Thermo Fisher's standard limited warranty available at www.thermoscientific.com.

** Based on data from internal testing and The University of Michigan Field Study of Class II Biological Safety Cabinet Energy Consumption Costs, published in American Biotechnology Laboratory.

Thermo Scientific Barnstead Water Purification Systems

Make the smart choice for water purification. Thermo Scientific™ Barnstead™ lab water systems offer innovative features that provide outstanding flexibility and ease-of-use in many laboratory environments.

Space Saving Options

- Flexible mounting options – place unit on bench, under the counter or on the wall
- Barnstead™ GenPure™ xCAD Plus systems allow for bench or wall mounting of xCAD remote dispensers
- Select systems feature an integrated reservoir, offering a space saving solution

Flexible Dispensing

- Barnstead GenPure xCAD Plus systems allow additional remote dispensers for up to three work stations from one unit
- Barnstead GenPure Pro systems deliver ultrapure water up to 24 in. (60 cm) from the unit

Functional Design

- Ergonomically-designed controller tilts for ease-of-use and better visibility
- Quick-connect design allows for easy cartridge replacement
- Set desired volume for hands-free, automatic dispensing



Our complete line of water purification technologies includes solutions for the most critical and everyday needs for any lab.

- Type 1 ultra pure systems
- Type 2 pure water systems
- Reverse Osmosis (RO) water systems
- Cartridge and filter systems
- Water stills



Thermo Scientific Ultra-Low Temperature Freezers

Maximize your laboratory's space requirements with Thermo Scientific™ ultra-low temperature freezers. Our state-of-the-art freezers offer outstanding energy savings options, sample protection features, and a wide range of sizes to meet most laboratory requirements.



Freezer to lab footprint

- Our state-of-the-art -86°C touch-screen uprights range in capacity from 300 boxes with a footprint of 7.05 sq. ft. (0.65 m²) up to 700 boxes with a footprint of 12.85 sq. ft. (1.19 m²)
- Other configurations include a variety of microprocessor-based upright and chest freezers, and a 1 cu.ft. capacity benchtop model

Energy savings

- Our touch-screen series offers the choice of high-performance mode for GMP requirements or energy-savings mode for up to a 15% reduction in energy*
- Factory-installed water-cooled condenser option on -86°C models keep the work environment cooler by emitting 50% less heat into the lab (i.e. less BTU rejection)**

Optional back-up and monitoring

- LN₂ or CO₂ back-up available as factory or customer-installed options
- Factory-installed water-cooled condenser (-86°C models) for reduced energy consumption and less heat emission into the lab
- Thermo Scientific Smart-View wireless solution for remote monitoring and notification in the event of a power or mechanical failure

Thermo Scientific Laboratory Refrigerators and Freezers

Unlike household refrigerators and freezers, our laboratory refrigerators and freezers are purpose-built to protect vaccines, blood and other temperature-sensitive storage. Choose from a variety of upright capacities, ranging from convenient undercounter models up to spacious 3-door models.



Thermo Scientific Cryopreservation Storage

Our LN₂ cryopreservation storage equipment ranges from portable manual-fill vessels (dewars) for small labs up to high-capacity auto-fill models for biobank or other dense storage environments.

* Compared to the freezer's high-performance mode. Data on file.

**Data on file. Actual requirements may vary due to specific water pressure conditions. Installation requires a qualified technician and should include proper adjustment of the regulating valve, which controls the discharge pressure.

Thermo Scientific Floor Model Centrifuges

Productivity, safety and reliability simplified at every turn

Safe Operation

- Compact footprint with non-bolt down design simplifies installation and flexibility to relocate within a facility
- Rotor innovations designed to shorten run set-up time, while providing peace-of-mind that the rotor is secure

Fiberlite™ Carbon Fiber Rotors

- Corrosion and fatigue resistance designed to ensure the rotor's structural integrity
- Longer rotor lifetime reduces capital investment and helps to eliminate unnecessary equipment disposal issues – backed by a 15 year warranty*

Reliable, Flexible Separations

- Designed to provide consistent, reproducible results and maximum uptime
- Versatility to quickly change rotors and applications, matching laboratory needs – today and in the future



Thermo Scientific General Purpose Benchtop Centrifuges

Our general purpose benchtop centrifuges are designed around your client's application needs delivering flexible and efficient sample processing. A full offering of ventilated and refrigerated models, rotors and accessories make our benchtop centrifuges ideal for everyday sample processing.

◀ Thermo Scientific™ Sorvall™ LYNX superspeed centrifuge



*Subject to Thermo Fisher Scientific's standard limited warranty. See thermoscientific.com or your sales representative for more details.

Thermo Scientific Incubators, Shakers and Environmental Chambers

Your samples, safe inside



Thermo Scientific Large Capacity Reach-In CO₂ Incubators

Maximum volume for high throughput requirements

- Convenience and flexibility of the large 29 cu.ft. capacity easily accommodates shakers, bioreactors and other related equipment
- Directed airflow designed to reduce wasted time and money due to poor temperature uniformity and recovery
- Heated glass door helps prevent unwanted condensation



Thermo Scientific MaxQ™ 8000 Stackable Shakers

Maximizes flexibility and production capability in a convenient stackable design

- Can be stacked up to three units high for increased throughput in the space of one shaker
- Speed range from 25-400 rpm
- Incubated or refrigerated models meet a variety of application requirements
- Ergonomically designed fold down door and a platform that slides out completely for maximized performance

Thermo Scientific Precision™ Refrigerated Incubators

Dependable and efficient 20 cu.ft. design with broad temperature range for application flexibility

- Designed to allow fast cool-down and recovery times, even in hot environments with large sample volume, help save energy in a lab
- Easy-to-clean, corrosion-resistant construction
- Powerful and reliable compressor technology with microprocessor control

Thermo Scientific Forma™ Environmental Chambers

29 cu.ft. models with durable construction and flexible shelving cover a wide variety of applications from stability testing to cell culture. Customize with a wide range of options including CO₂, humidity, and refrigeration or just temperature control

- Optimal uniformity and a wide temperature range for easy compliance with regulatory requirements
- Reinforced shelving and flooring for heavy loads
- Locking swivel casters for easy mobility during installation and cleaning



Empowering the Smart Lab

Let us provide the service and support required for the construction of a new laboratory by helping you make the process as seamless as possible.



New Construction Support and Services

Receive the dedicated attention you need to complete your lab project efficiently

- A team of new construction managers working directly with you and your client
- Technical application specialists and field-based product specialists provide one-on-one support
- On-site product training

Protecting your investment

Unity Lab Services provides a complete portfolio of customized, integrated and innovative services and support solutions, such as IQ/OQ and preventative maintenance, designed to help maintain equipment, improve productivity, reduce total cost of ownership and ensure compliance throughout the laboratory.

Unity Lab Services

One smart solution to meet your needs

In the smart lab, you can choose from a full range of lab equipment and consumables to meet your needs.

Laboratory Equipment

- Baths and Accessories
- Biological Safety Cabinets and Clean Benches
- Centrifuges and Rotors
- Chillers
- CO₂ Incubators
- Cryopreservation Storage
- Electrophoresis
- Environmental Chambers
- Furnaces
- Hotplates and Stirrers
- Heating and Drying Ovens

- Microbiological Incubators
- Laboratory Refrigerators and Freezers
- Rockers, Rotators and Mixers
- Orbital Shakers
- Vacuum Concentrators
- Ultra-Low Temperature Freezers
- Water Purification Systems

Laboratory Plasticware, Glassware and Supplies

- Cell Culture Consumables
- Clinical Consumables
- Cryoware
- Environmental Sample Containers
- Filtration Products
- General Labware
- *In vitro* Fertilization Consumables
- Pipettes and Pipette Tips
- Microplates
- Plastic Packaging Bottles and Vials
- Sample Collection and Storage

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