



Cryometrix T-160 Ultra Low Temp Freezer

[Download Brochure](#) [Calculate Storage Capacity](#) [Download Map](#)

The new 2017 redesigned Cryometrix T-160 programmable ULT freezer delivers on all points. The T-160 freezer is a technological breakthrough that incorporates a compressor-free, redundant, liquid nitrogen-based technology. The T-160 is a stable, scalable, adaptable, and validatable platform. The payload capacity is 33.5 ft³ (950 L = 72,000 2-mL vials), and with its all stainless steel upright design, the T-160 addresses several user issues such as security, ease of operation, cleaning, and the system is designed to eliminate icing.

| Physical Property | Units | Values |
|------------------------|---------------|---------------------------|
| Dimensions | Inches | 42" D x 48" W x 84" H |
| Weight (Empty) | Pounds | 1672 |
| Payload Capacity | Cubic Feet | 31.7 |
| Payload Dimensions | Inches | 26.5" D x 34.5" W x 60" H |
| Electrical | 120 VAC 60 Hz | |
| Cooling Media | LN2 | 18-90 |
| Inlet Pressure | PSI | +68 to -256 |
| Adjustable Set Point | °F | ± 7°F at -160°C |
| Temperature Uniformity | °F | ± 5°F at -80°C |
| Ramp Rate | °F/min | -2 to -5 |

Unique sealed Liquid Nitrogen based technology

- Fast controllable temperature ramp
- Uniform temperatures throughout payload bay (± 5°C)
- Fast recovery from open/close event (10 mins)

Large 31.7 cubic ft. / 900 liters storage volume

- 57,600 x 2ml vial storage capacity controlled at ± 3°C
- Customized racking available

Compressor free operation

- Minimal power consumption
- No rejected heat into workspace
- Noiseless operation, vibration and dust free

Low LN2 consumption Mission critical design

- Redundant circuits assure reliability
- User security features
- Low maintenance design

Ergonomically simplified design

- As easy to use as a common household refrigerator
- Left or right hand door swing

Designed for cGMP applications

- DQ/IQ completed
- OQ/PQ ready
- GMP qualified units currently in PharmBio use

Compared to compressor based technologies - The T-160 offers:

- A significant reduction in electrical power consumption
- Up to 5 times greater payload capacity per unit area of floor space
- Significant overall reduction in net operating expenses

No liquid nitrogen exposure to users or product

Products

- T-160 Ultra Low Freezer
- B-90 Blast/Thaw Freezer
- T-90 Storage Freezer
- S-90 Shipper Freezer

Not seeing what you're looking for? Need something custom? Please reach out, and we'll see what we can do!

[Send us a Message](#)

Cryometrix T-160 Ultra Low Temp Freezer

[Download Brochure](#) [Calculate Storage Capacity](#) [Download Map](#)

The new 2017 redesigned Cryometrix T-160 programmable ULT freezer delivers on all points. The T-160 freezer is a technological breakthrough that incorporates a compressor-free, redundant, liquid nitrogen-based technology. The T-160 is a stable, scalable, adaptable, and validatable platform. The payload capacity is 33.5 ft3 (950 L = 72,000 2-mL vials), and with its all stainless steel upright design, the T-160 addresses several user issues such as security, ease of operation, cleaning, and the system is designed to eliminate icing.

| Physical Property | Units | Values |
|------------------------|---------------|---------------------------|
| Dimensions | Inches | 42" D x 48" W x 84" H |
| Weight (Empty) | Pounds | 1672 |
| Payload Capacity | Cubic Feet | 31.7 |
| Payload Dimensions | Inches | 26.5" D x 34.5" W x 60" H |
| Electrical | 120 VAC 60 Hz | |
| Cooling Media | LN2 | 18-90 |
| Inlet Pressure | PSI | +68 to -256 |
| Adjustable Set Point | °F | ± 7°F at -160°C |
| Temperature Uniformity | °F | ± 5°F at -80°C |
| Ramp Rate | °F/min | -2 to -5 |

Features & Benefits

Unique sealed Liquid Nitrogen based technology

- Fast controllable temperature ramp
- Uniform temperatures throughout payload bay (± 5°C)
- Fast recovery from open/close event (10 mins)

Large 31.7 cubic ft. / 900 liters storage volume

- 57,600 x 2ml vial storage capacity controlled at ± 3°C
- Customized racking available

Compressor free operation

- Minimal power consumption
- No rejected heat into workspace
- Noiseless operation, vibration and dust free

Low LN2 consumption Mission critical design

- Redundant circuits assure reliability
- User security features
- Low maintenance design

Ergonomically simplified design

- As easy to use as a common household refrigerator
- Left or right hand door swing

Designed for cGMP applications

- DQ/IQ completed
- OQ/PQ ready
- GMP qualified units currently in PharmBio use

Compared to compressor based technologies - The T-160 offers:

- A significant reduction in electrical power consumption
- Up to 5 times greater payload capacity per unit area of floor space
- Significant overall reduction in net operating expenses

No liquid nitrogen exposure to users or product



Products

T-160 Ultra Low Freezer
B-90 Blast/Thaw Freezer
T-90 Storage Freezer
S-90 Shipper Freezer

Not seeing what you're looking for? Need something custom? Please reach out, and we'll see what we can do!

[Send us a Message](#)