



When Patient Safety And Research Integrity Are On The Line, There's No Room For Compromise.

Our refrigerators and freezers protect critical samples with precision temperature control, maximize lab space with dual storage in one footprint, provide dependable performance for continuous operation, have an energy-efficient design for lower operating costs, and are equipped with user-friendly, adjustable storage built for laboratory workflows.

MODEL UC90F

UNDERCOUNTER FREEZER



COMPACT SIZE. CONFIDENT FREEZING.

The UC90F delivers dependable -15°C to -30°C performance in a compact, laboratory-ready design. Built for research labs, clinical facilities, and pharmaceutical environments, it safeguards valuable samples while fitting seamlessly under standard counters.

Consistent Freezing Performance

Engineered for stability

- 0.9°C temperature uniformity
- Pull-down to -30°C in just 72 minutes
- Rapid recovery in 17 minutes after a 1-minute door opening

Smart Monitoring and Control

- Microprocessor controller
- Clear digital display
- Remote Alarm Contact
- Backup battery support
- 44.1 dB(A) quiet operation

Comprehensive Alarm Protection

- High/low temperature
- High ambient temperature
- Power failure
- Low battery
- Sensor error
- Door ajar
- Data communication or logger failure

Designed for Labs

- 90L (3.18 cu ft) capacity
- Compact footprint: 23.6" W x 24.6" D x 32" H
- 2 shelves + 1 storage basket for organized access
- 80mm insulation for enhanced thermal retention
- Powder-coated steel exterior
- Sprayed aluminum steel interior
- Access Test Port
- Casters with leveling feet

MODEL UP270F

UPRIGHT FREEZER



DEEP COLD. DEPENDABLE PROTECTION.

The UP270F is designed for research, clinical, and pharmaceutical environments. This -20°C to -40°C solution protects temperature-sensitive materials with stable performance and intelligent monitoring.

Engineered for Stable -40°C Performance

Designed to protect critical materials

- 2.4°C temperature uniformity
- Pull-down to -40°C in just 25 minutes
- Rapid recovery in 133 minutes after a 1-minute door opening

Intelligent Monitoring and Control

- Microprocessor controller
- Clear digital temperature display
- USB data logging (10-minute intervals, up to 100,000 records)
- Remote alarm contact & RS485 interface
- Backup battery for added security

Comprehensive Alarm Protection

- High/low temperature
- High ambient temperature
- Power failure
- Low battery
- Sensor error
- Door ajar
- Data communication or logger failure

Built For Organized, Secure Storage

- 270L (9.53 cu ft) capacity
- 7 durable ABS drawers for structured sample management
- High-performance insulation (up to 100mm) for thermal retention
- Powder-coated steel exterior
- Painted aluminum interior
- Access test port
- Casters with leveling feet

MODEL UP668F

UPRIGHT FREEZER



LARGE CAPACITY. RELIABLE FREEZING. LABORATORY CONFIDENCE.

The UP668F Upright Freezer delivers dependable -15°C to -30°C performance in a high-capacity, laboratory-ready design. Built for research labs, clinical facilities, and pharmaceutical environments, it safeguards valuable samples with consistent temperature control and intelligent monitoring.

Engineered for Consistent Freezing

- Performance designed to protect
- Temperature range: -15°C to -30°C
- 1.7°C temperature uniformity
- Pull-down to -30°C in 127 minutes
- Recovery in 38 minutes after a 1-minute door opening

Intelligent Monitoring and Control

- Microprocessor controller
- Clear digital temperature display
- USB data logging (10-minute intervals, up to 100,000 records)
- Remote alarm contact & RS485 interface
- Integrated backup battery
- 50.6 dB(A) operation

Comprehensive Alarm Protection

- High/low temperature
- High ambient temperature
- Condensor overheating alarm
- Power failure
- Low battery
- Sensor error
- Door ajar
- Data communication or logger failure

High-Capacity Storage with Organized Access

- 668L (23.6 cu ft) capacity
- 4 adjustable shelves for flexible storage
- 80mm insulation on all sides for strong thermal retention
- Carbon steel coated exterior
- Sprayed aluminum interior
- Access test port
- 4 casters with leveling feet for stable positioning

MODELS CM300AL & CM450AL

COMBO REFRIGERATOR/FREEZER



ONE UNIT. TWO TEMPERATURE ZONES. TOTAL CONTROL.

The CM300AL and CM450AL Combo Fridge/Freezers deliver precise 2–8°C refrigeration and dependable subzero storage in one integrated solution. Designed for clinical, research, and pharmaceutical environments, these dual-chamber systems maximize space efficiency while maintaining independent temperature stability in each compartment.

CM300AL

300L Total Capacity (10.59 cu ft)

- Refrigerator: 189L
- Freezer: 111L (-10°C to -26°C)

Performance Highlights

- 0.5°C (R) / 1.0°C (F) uniformity
- Pull-down: 30 min (R) / 108 min (F)
- Recovery: 8 min (R) / 17 min (F)

CM450AL

450L Total Capacity (15.88 cu ft)

- Refrigerator: 225L
- Freezer: 225L (-10°C to -40°C)

Performance Highlights

- 0.6°C (R) / 1.3°C (F) uniformity
- Pull-down: 41 min (R) / 44 min (F)
- Recovery: 7 min (R) / 15 min (F)

Both Models

Dual System Engineering

- Independent double compressors
- Microprocessor control
- Clear digital displays
- USB data logging (10-minute intervals, up to 100,000 records)
- Remote alarm contact & RS485 interface
- Backup battery protection
- Two access test ports

Built For Laboratory Demands

- Powder-coated steel exterior
- Sprayed aluminum interior
- Adjustable shelving & ABS storage components
- Heavy-duty casters (locking options available)
- Designed for indoor lab environments (16–32°C ambient)

Comprehensive Alarm Protection

- High/low temperature
- High ambient temperature
- Power failure
- Low battery
- Sensor error
- Door ajar
- Data communication or logger failure

ACCESSORIES

FOR YOUR FRIDGES & FREEZERS

Black out film for glass door refrigerators-

Add light blocking film to the outside of any glass door refrigerator to block 100% of all light. Ideal for refrigerators that may be storing light sensitive materials.

Part numbers:

- ACC-130BK- blackout film for undercounter refrigerator UC130RG
- ACC-395BK- blackout film for UP395RG
- ACC-650BK- blackout film for UP650RG
- ACC-1320BK- blackout film for UP1320RG2



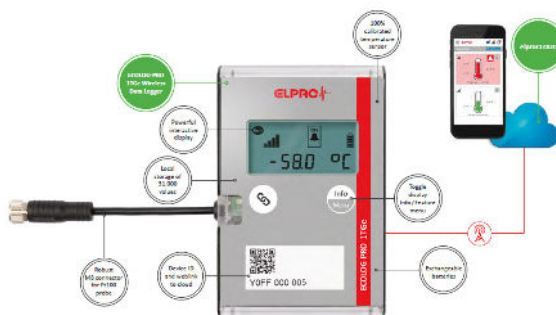
Solid door option for refrigerator -

Install a solid door instead of standard glass on all refrigerators.

- UC130RS- Solid door undercounter refrigerator, 130 liters (cuft)
- UP395RS- Solid door upright refrigerator, 395 liters (cuft)
- UP650RS- Solid door upright refrigerator, 650 liters (cuft)

Temperature monitoring solutions-

Several options for secondary monitoring of cabinet temperature are available. Options include simple on-unit monitoring to solutions that provide cloud-based remote viewing and alarming.



Additional shelves-

Additional shelves are available to customize storage in all upright refrigerators and freezer models. The shelves are sold individually and can be installed during commissioning or after commissioning on site.

- ACC-SHELF395- extra shelf for UP395RG or RS
- ACC-SHELF650- extra shelf for UP650RG or RS
- ACC-SHELF1320- Extra shelf for UP1320RG
- ACC-SHELF270- extra shelf for UP270F
- ACC-SHELF668- extra shelf for UP668F

Replacement Parts-

A variety of replacement parts are available for each model. Please contact your sales representative or direct to service at service@stirlingultracold.com for a list of available parts.



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REDEFINING COLD