



## 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.

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# MODEL UC130RGE

## UNDERCOUNTER REFRIGERATOR



### COMPACT SIZE.

### SERIOUS SAMPLE PROTECTION.

The UC13RG delivers the performance, reliability, and monitoring capabilities today's laboratories demand in a compact, undercounter solution designed for modern workflows.

#### Engineered for Stability

Proven Temperature Performance

- 0.9°C temperature uniformity
- Pull-down to 5°C in just 37 minutes
- Rapid recovery in 4 minutes after a 1-minute door opening

#### Smart, Secure, and Controlled

- Microprocessor controller with clear digital display
- Forced-air cooling for uniform temperature distribution
- Automatic defrost for uninterrupted operation
- 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

#### Designed for Labs

- 130L (4.59 cu ft) capacity
- Compact footprint: 25.59"W x 24.60"D x 31.89"H
- Durable powder-coated steel exterior
- Powder-coated aluminum interior
- 3 adjustable shelves
- Access test port
- Casters with leveling feet

# MODEL UP395RGE

## UPRIGHT REFRIGERATOR



### MAXIMUM CAPACITY. PRECISION PROTECTION.

The UP395RG delivers powerful 2–8°C performance with exceptional uniformity and rapid recovery. Designed for clinical, research, and laboratory environments, this upright solution protects critical samples, reagents, and vaccines at scale.

#### Performance You Can Trust

Built for demanding applications

- 0.7°C temperature uniformity
- Pull-down to 5°C in just 30 minutes
- Rapid recovery in 7 minutes after a 1-minute door opening

#### Intelligent Monitoring and Control

- Advanced microprocessor controller
- Bright digital display for at-a-glance verification
- Forced-air cooling for uniform temperature distribution
- Automatic defrost for uninterrupted operation
- 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
- Condensor high temperature alarm
- Power failure
- Low battery
- Sensor error
- Door ajar
- Data communication or logger failure

#### Designed for Labs

- 395L (13.95 cu ft) capacity
- Compact footprint: 25.6"W x 26.5"D x 78.4"H
- 7 adjustable shelves for organized storage
- Powder-coated steel exterior
- High-impact polystyrene interior
- Access test port
- Heavy-duty casters with leveling feet

# MODEL UP650RGE

## UPRIGHT REFRIGERATOR



### HIGH CAPACITY. HIGH PERFORMANCE. ZERO COMPROMISE.

The UP650RG is designed for high-volume clinical, research, and pharmaceutical environments. This 2–8°C solution combines exceptional uniformity, rapid recovery, and intelligent monitoring, protecting your most critical inventory at scale.

#### Elite Temperature Performance

Precision where it matters most

- 0.6°C temperature uniformity
- Pull-down to 5°C in just 25 minutes
- Rapid recovery in 6 minutes after a 1-minute door opening

#### Intelligent Monitoring and Control

- Advanced microprocessor controller
- Clear digital temperature display
- Forced-air cooling for uniform temperature distribution
- Automatic defrost for uninterrupted operation
- USB data logging (5-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
- Condensor high temperature alarm
- Power failure
- Low battery
- Sensor error
- Door ajar
- Data communication or logger failure

#### Built For Large-Scale Storage

- 650L (22.9 cu ft) capacity
- 5 heavy-duty shelves for organized storage
- Stainless steel interior for durability and easy cleaning
- Powder-coated steel exterior
- Access test port
- 4 casters (2 locking) for secure positioning

# MODEL UP1320RGE

## DOUBLE-DOOR REFRIGERATOR



### ULTIMATE STABILITY. MAXIMUM STORAGE.

The UP1320RG2 delivers uncompromising 2–8°C performance at scale. Designed for high-throughput laboratories, biorepositories, clinical facilities, and pharmaceutical environments, this 1320L solution provides exceptional uniformity, rapid recovery, and advanced touchscreen control.

#### Precision Performance At Scale

Engineered for elite temperature control

- 0.5°C temperature uniformity
- Pull-down to 5°C in just 25 minutes
- Rapid recovery in 6 minutes after a 1-minute door opening

#### Intelligent 7" HD Touchscreen Control

- Advanced microprocessor controller
- Real-time monitoring at-a-glance
- USB data logging (5-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
- Condensor high temperature alarm
- Power failure
- Low battery
- Sensor error
- Door ajar
- Data communication or logger failure

#### Built For Large-Scale Storage

- 1320L (46.62 cu ft) capacity
- Double-door configuration for organization
- 10 heavy-duty shelves
- Stainless steel interior for durability and easy cleaning
- Powder-coated steel exterior
- 25mm access test port
- 4 casters (2 locking) for secure positioning

# BLOOD BANK REFRIGERATORS

## 3 OPTIONS



### BBR168 | COMPACT EFFICIENCY

*Maximizing protection in a space-saving footprint.*

- Storage Capacity: Space for up to 117 blood bags (168L volume)
- Intelligent Control: Equipped with an intuitive, smart touchscreen interface for seamless monitoring
- Smart Security: Built-in USB data logging automatically tracks your inventory's climate every 5 minutes, backed by up to 10 years of secure history
- Interior Layout: 3 heavy-duty storage drawers designed to keep samples perfectly organized

### BBR380 | MID-SIZE POWERHOUSE

*The ideal balance of high capacity and rapid temperature recovery.*

- Storage Capacity: Securely stores up to 240 blood bags (380L volume)
- Rapid Recovery: Engineered for quick pull-down and high-traffic workflows
- Advanced Connectivity: Features a crystal-clear digital display, dedicated RS485 interface, and remote alarm contacts
- Interior Layout: 5 premium, coated steel-wire drawers optimized for maximum airflow and structural durability



### BBR630 | HIGH VOLUME PROTECTOR

*The ultimate bulk storage solution for high-throughput blood centers.*

- Storage Capacity: Built for massive operations, accommodating up to 408 blood bags (630L volume)
- Comprehensive Integration: Outfitted with robust digital displays, an RS485 communication interface, and a fail-safe backup battery
- Premium Insulation: Multi-zone structural insulation ensures elite thermal retention and low energy draw
- Interior Layout: 6 heavy-duty steel-wire drawers designed for seamless access under heavy maximum loads



# MODEL UC090FE

## UNDERCOUNTER FREEZER



### COMPACT SIZE. CONFIDENT FREEZING.

The UC090F delivers dependable  $-15^{\circ}\text{C}$  to  $-30^{\circ}\text{C}$  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

- $0.9^{\circ}\text{C}$  temperature uniformity
- Pull-down to  $-30^{\circ}\text{C}$  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 UP270FE

## UPRIGHT FREEZER



### DEEP COLD. DEPENDABLE PROTECTION.

The UP270F is designed for research, clinical, and pharmaceutical environments. This  $-20^{\circ}\text{C}$  to  $-40^{\circ}\text{C}$  solution protects temperature-sensitive materials with stable performance and intelligent monitoring.

#### Engineered for Stable $-40^{\circ}\text{C}$ Performance

Designed to protect critical materials

- $2.4^{\circ}\text{C}$  temperature uniformity
- Pull-down to  $-40^{\circ}\text{C}$  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

# MODELS CM450AL

## COMBO REFRIGERATOR/FREEZER



### ONE UNIT. TWO TEMPERATURE ZONES. TOTAL CONTROL.

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

#### 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)

#### 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

#### 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)

#### 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



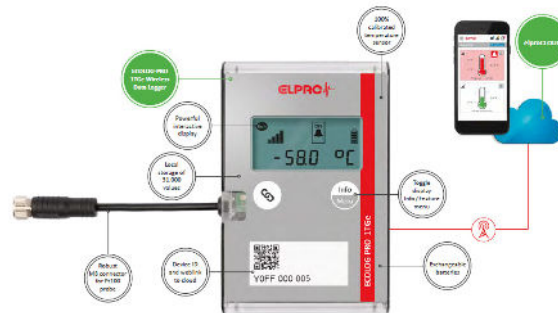
#### Solid door option for refrigerator -

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](mailto:service@stirlingultracold.com) for a list of available parts.



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**REDEFINING COLD**