



 **Cole-Parmer®**

**STABLETEMP®**  
**OVENS AND FURNACES**



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**HIGH-VALUE, LOW-COST,  
LABORATORY-PROVEN**



**StableTemp®**

# StableTemp® Ovens and Furnaces



## Economy Gravity and Mechanical Convection Ovens

A low-cost solution for your everyday heating applications

- **Programmable Ovens**

Ideal for complex heating or drying applications such as stability testing or aging tests

- **Vacuum Ovens**

For controlled atmosphere testing conditions

- **High-Temperature Muffle Furnaces**

Reach up to 1050°C in just 25 minutes!

## APPLICATIONS

- Aging tests
- Ashing
- Asphalt testing
- Baking
- Batch testing
- Curing
- Drying
- Glassware drying
- Process testing
- Stability testing
- Sterilizing



# StableTemp® Economy Gravity Convection Ovens

Designed and priced for the budget-conscious laboratory, providing proven technology and solid construction, and offering basic oven functionality

- Bimetallic thermostat offers simple and accurate temperature control from ambient  $\pm 5^{\circ}\text{C}$  to  $210^{\circ}\text{C}$
- Heat is distributed naturally, without a fan or blower, making these ovens well suited for applications involving lightweight powders, films, and fabrics

## Thermometer Port

allows insertion of standard glass thermometer for accurate, cost-effective temperature monitoring

## Durable Powder-Coated Cold-Rolled Steel Exterior

offers corrosion resistance and withstands the harshest laboratory conditions



## Aluminum Interior

is easy to clean and resists corrosion

## Compact Units Available

from only 12½" wide helps conserve valuable lab and benchtop space

## Oven Status Indicator

allows you to avoid lost or failed tests by discouraging accidental opening of oven during operation

# StableTemp® Economy Mechanical Convection Ovens

THESE AFFORDABLE CONVECTION OVENS ARE IDEAL FOR BASIC DRYING AND BAKING APPLICATIONS WHERE UNIFORM HEAT DISTRIBUTION IS ESSENTIAL

- Forced air convection and a hydraulic thermostat generate fast temperature rise time and uniform heat distribution up to 210°C
- The convenience of an LED temperature display shows internal temperatures at-a-glance

## Durable Powder-Coated Cold-Rolled Steel Exterior

offers corrosion resistance and withstands the harshest laboratory conditions

## Safety Thermostat

prevents exceeding preset high temperature limit and overheating



## Two Adjustable Chrome-Plated Shelves

and one fixed shelf offer greater flexibility and optimization of interior space

## Stainless Steel Interior

is easy to clean and resists corrosion

## Double Wall Interior

reduces heat loss via 1"-thick silica-based insulation, maintaining a stable internal temperature and minimizing heat loss

# StableTemp® Programmable Ovens

## DESIGNED TO PROVIDE GREATER FLEXIBILITY UNDER THE MOST DEMANDING TEST CONDITIONS

- Loaded with features and programming capabilities, enabling the replication of any environmental stability or aging test
- Customize your heat-up and cool-down times, and program how long you want the oven to maintain a specific temperature—these ovens adapt to you!

**Large Chambers up to 5 cu ft**  
with 11 shelf positions allow greater use of internal area

**Adjustable Exhaust Port**  
allows release of moisture from oven for drying or curing applications. Alter baking times by allowing more or less air into the chamber

**Superior Insulation and Fiberglass Gasket with Stainless Steel Mesh Core**  
prevent heat loss and leave the exterior and door handle cool for you to touch

**Doors Open 180°**  
for easy access to interior chamber and shelf adjustment

**LED Front-Panel Display**  
and intuitive menu options make programming the 12 ramp and 12 soak periods of the oven a snap



# StableTemp<sup>®</sup> Vacuum Ovens

## OFFERING VACUUM HEATING FOR COMPLEX HEATING APPLICATIONS

- StableTemp vacuum ovens provide a programmable, highly controlled environment ideal for complex applications such as purging of inert gases
- Heat up to 280°C—ideal for elevated-temperature aging tests
- Set timer cycles with up to seven-day programming capabilities—you perform other tasks and your StableTemp vacuum oven will do the rest!

### Stainless Steel Chamber

resists corrosion from laboratory chemicals and liquids; powder-coated heavy-gauge steel exterior construction withstands harsh laboratory conditions—easy to clean inside and out

### Exclusive Polycarbonate Safety Shield

protects door glass and allows operator to safely monitor internal conditions

### Two Adjustable Chrome-Plated Shelves

improve heat conduction to samples and are easy to clean—configure them in up to eight positions



Dial thermometer included!

### Silicone Door Gaskets

and positive latch doors maintain a tight seal and vacuum at all levels



# StableTemp® High-Temperature Muffle Furnaces

## PROVIDING THREE CONTROLLER OPTIONS FOR GREATER PROGRAMMING CAPABILITIES

- Select from Basic or Single Set Point control furnaces, or Programmable control furnaces with the capability of storing up to 31 programs with up to 126 segments total—programming options limited only by your imagination!
- Optional RS-485 communications port lets you operate furnace from your computer

### Quick, 25-Minute Rise Time\*

to 1050°C allows you to adjust process testing and avoid out-of-specification conditions

\*0.19 cu ft models

### Unique Ceramic Fiber Insulation

and double-walled construction keeps 1100°C temperature inside while providing a cool, safe-to-touch exterior

### Autotune Function

eliminates temperature overshoot and potential failed test conditions—autotune ensures you hit your desired temperature



### Easy-Grip Handle with Latch

allows one-handed opening of door, even while wearing gloves. Safety latch prevents furnace operation with door ajar.



### Optional CALgraphix Software

(89820-81) simplifies record keeping and programming of multiple units from your computer



### In the U.S.

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Free phone: 0500-345-300  
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### In India

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[www.coleparmer.in](http://www.coleparmer.in)

### International customers

Call 847-549-7600 to reach our International Sales Department or contact your local dealer.

**FREE TECHNICAL APPLICATIONS ASSISTANCE!**



StableTemp model	Gravity convection	Mechanical convection	Programmable	Vacuum	High-temperature muffle furnaces
Capacity range (cu ft)	0.7 to 5.7	1.7 to 3.1	2.5 to 5.0	0.67 to 2.3	0.19 to 1.5
Temperature range	±5°C to 210°C	40 to 210°C	50 to 325°C	±5°C to 280°C	100 to 1100 C
Temperature display	Analog thermometer	3-digit LED	3-digit LED	Dial gauge or LED	LED
Control type	Bimetallic thermostat	Hydraulic thermostat	PID microprocessor	Hydraulic thermostat	PID microprocessor
Construction	Aluminum interior, steel exterior	Stainless steel interior, enameled steel exterior	Stainless steel interior, enameled steel exterior	Stainless steel interior, heavy-gauge steel exterior	Ceramic fiber interior, enameled steel exterior
Warranty	2 yr	2 yr	2 yr	2 yr	3 yr
CE marking	—	CE	—	CE	CE



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