

Cole-Parmer® STABLETEMP®

STABLETEMP® OVENS AND FURNACES



StableTemp® Ovens and Furnaces

STABILITY YOU CAN DEPEND ON. PRICES YOU CAN AFFORD.

For quality results, heating and drying applications require accurate and stable temperatures. Count on the StableTemp family of ovens and furnaces to deliver top-quality performance at a reasonable price.



THE STABLETEMP LINE:

 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
- Batch testing
- Process testing

- Ashing
- Curing
- Stability testing

- Asphalt testing
- Drying
- Sterilizing

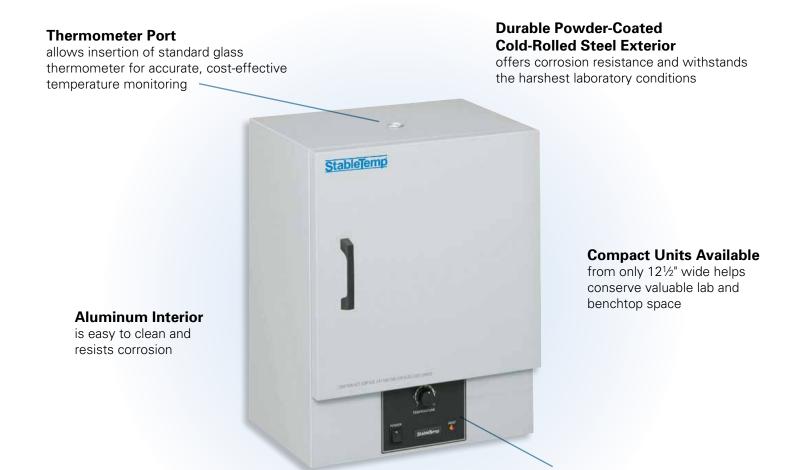
- Baking
- Glassware drying



StableTemp® Economy Gravity Convection Ovens

OUR GRAVITY CONVECTION OVENS COST UP TO 40% LESS THAN COMPARABLE OVENS WITHOUT SACRIFICING QUALITY!

- 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 ±5°C to 210°C
- Heat is distributed naturally, without a fan or blower, making these ovens well suited for applications involving lightweight powders, films, and fabrics



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

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



Stainless Steel Interior is easy to clean and resists

corrosion

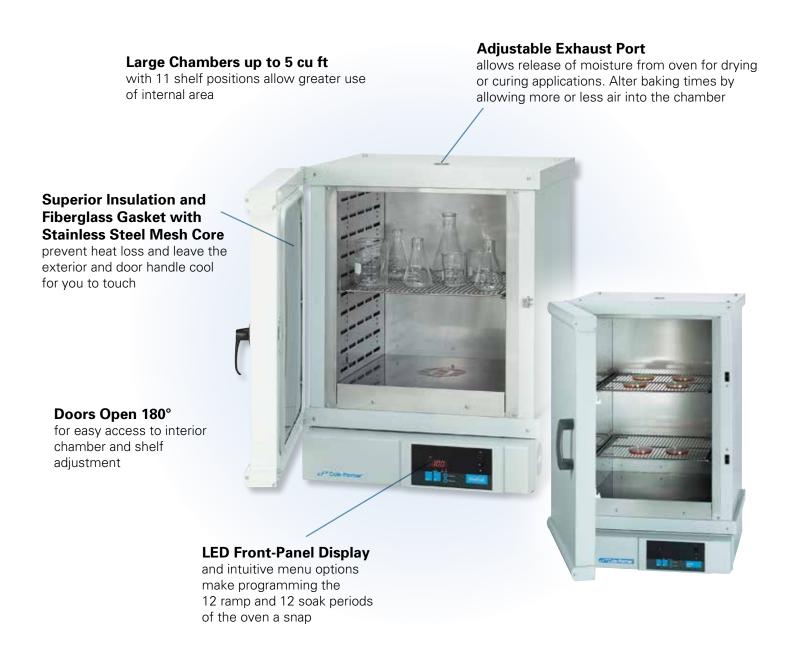
Double Wall Interior

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!



StableTemp® 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



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

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

Cole-Parmer® scientific experts

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International customers

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



FREE TECHNICAL APPLICATIONS ASSISTANCE!



	StableTemp model				
Product specs	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 guage or LED	LED
Control type	Bimetallic thermostat	Hydraulic thermostat	PID microprocessor	Hydraulic thermostat	PID microprocessor
Construction	Aluminum interior, steel exterior	Stainless steel interior, enamaled steel exterior	Stainless steel interior, enamaled steel exterior	Stainless steel interior, heavy-gauge steel exterior	Ceramic fiber interior, enamaled steel exterior
Warranty	2 yr	2 yr	2 yr	2 yr	3 yr
CE marking	_	CE	_	CE	CE

Visit ColeParmer.com/temperature for a compete assortment of thermometers, thermocouples, temperature measurement, and recording instruments.

