



# Cole-Parmer® Gravity and Mechanical Convection Incubators

- Low energy consumption provides operating cost savings
- PID controller gives you accurate and reliable temperature control
- Easy-to-view LCD shows time, current and set temperatures, running status, and fan status
- Glass observation window or inner door lets you visually observe samples without heat loss
- Long-lasting silicone rubber gasket offers a tight seal, ensuring good heat retention and low energy consumption



Gravity convection incubator with glass inner door

Mechanical convection incubator with glass observation window

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## Cole-Parmer® Gravity and Mechanical Convection Incubators

Our gravity and mechanical convection incubators feature a corrosion-resistant stainless steel interior and powder-coated steel plate exterior. The inner chamber has rounded corners for easy cleaning. Antiskid shelf design is easy to operate with a single hand. Each incubator includes stainless steel wire shelves with mounting brackets.

Glass windows and doors avoid unnecessary heat dissipation and temperature changes when samples need to be viewed. The smaller units have a large observation window built into the door while the larger units have a glass inner door and solid outer door.

Multiple safety features include temperature deviation alarm, overtemperature set point alarm, overcurrent protection, and auto-start after power loss/return.

**Gravity convection** allows heat to fill the chamber naturally, providing a lower chance of cross-contamination between samples. Plus, the gentle, natural air circulation does not stress the cultures and allows for a more uniform growth.

**Mechanical convection** circulates heat to all levels of the chamber for more efficient heat distribution. These units offer faster heat up and better temperature uniformity due to the constant circulation of forced air.

Large-capacity mechanical convection incubator



Gravity convection incubator

# Cole-Parmer® Gravity and Mechanical Convection Drying Ovens

## Specifications

Temperature range: 25 to 65°C

Timer range: 0 to 99 hr, 59 min

Temperature stability: ±0.5°C

Display resolution: 0.1°C

Ambient temperature: 5 to 35°C



Capacity cu ft (L)	Temperature uniformity	Door configuration	No. of shelves included	No. of shelf positions	Dimensions (W x H x D)		Power			Item number
					Chamber	Overall	VAC	Hz	Watts	
<b>Gravity convection incubators</b>										
0.57 (16)		Door with glass observation window	2	6	10.6" x 9.1" x 10.2" (27.0 x 23.0 x 26.0 cm)	20.1" x 13.8" x 15.7" (51.0 x 35.0 x 40.0 cm)	120	60	85	22A00F811
			220	50/60		22A00F812				
1.2 (35)			2	6	14.4" x 11.8" x 12.6" (36.5 x 30.0 x 32.0 cm)	23.6" x 16.5" x 18.1" (60.0 x 42.0 x 46.0 cm)	120	60	125	22A00F813
			220	50/60		22A00F814				
1.8 (50)	±1.5°C (@ 37°C)		2	7	15.7" x 14.9" x 12.9" (40.0 x 38.0 x 33.0 cm)	26.2" x 23.6" x 18.5" (66.5 x 60.0 x 47.0 cm)	120	60	250	22A00F815
			220	50/60		22A00F816				
4.1 (115)		Glass inner door, solid outer door	3	11	20.5" x 19.1" x 17.7" (52.0 x 48.5 x 45.0 cm)	30.9" x 28.1" x 23.2" (78.5 x 71.5 x 59.0 cm)	120	60	550	22A00F817
			220	50/60		22A00F818				
7.4 (210)			3	16	25.6" x 25.6" x 19.7" (65.0 x 65.0 x 50.0 cm)	36.0" x 34.3" x 25.9" (91.5 x 87.0 x 66.0 cm)	120	60	900	22A00F819
			220	50/60		22A00F820				
<b>Mechanical convection incubators</b>										
0.57 (16)		Door with glass observation window	2	4	9.84" x 9.84" x 10.2" (25.0 x 25.0 x 26.0 cm)	20.1" x 14.4" x 15.7" (51.0 x 36.5 x 40.0 cm)	120	60	200	22A00F821
			220	50/60		22A00F822				
1.2 (35)			2	4	14.4" x 12.0" x 12.0" (36.5 x 30.5 x 30.5 cm)	24.6" x 16.5" x 17.5" (62.5 x 42.0 x 44.5 cm)	120	60	200	22A00F823
			220	50/60		22A00F824				
1.8 (50)	±1.5°C (@ 37°C)		2	5	16.3" x 13.9" x 14.2" (41.5 x 35.5 x 36.0 cm)	26.6" x 18.5" x 19.7" (67.5 x 47.0 x 50.0 cm)	120	60	300	22A00F825
			220	50/60		22A00F826				
2.8 (80)			2	8	19.7" x 15.7" x 15.7" (50.0 x 40.0 x 40.0 cm)	29.8" x 20.3" x 21.3" (75.8 x 51.5 x 54.0 cm)	120	60	400	22A00F827
			220	50/60		22A00F828				
5.7 (160)		Glass inner door, solid outer door	2	14	19.7" x 25.6" x 19.7" (50.0 x 65.0 x 50.0 cm)	29.9" x 30.1" x 25.2" (76.0 x 76.5 x 64.0 cm)	120	60	600	22A00F829
			220	50/60		22A00F830				
9.5 (270)			2	16	23.6" x 29.5" x 23.6" (60.0 x 75.0 x 60.0 cm)	33.9" x 34.1" x 29.1" (86.0 x 86.5 x 74.0 cm)	120	60	750	22A00F831
			220	50/60		22A00F832				
14.8 (420)	±2°C (@ 25°C)		3	10	39.4" x 20.9" x 31.5" (100.0 x 53.0 x 80.0 cm)	50.59" x 29.5" x 38.6" (128.5 x 75.0 x 98.0 cm)	120	60	1100	22A00F833*
			220	50/60		22A00F834*				

\*Large-capacity models 22A00F833 and 22A00F834 have double doors and casters.



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