

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

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	
Gravity convection incubators										
0.57 (16)	±1.5°C (@ 37°C)	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	ML-52411-56
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	ML-52411-58
1.8 (50)		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	ML-52411-60	
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	ML-52411-62
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	ML-52411-64
Mechanical convection incubators										
0.57 (16)	±1.5°C (@ 37°C)	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	ML-52411-66
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	ML-52411-68
1.8 (50)		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	ML-52411-70	
2.8 (80)		Glass inner door, solid outer door	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	ML-52411-72
5.7 (160)			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	ML-52411-74
9.5 (270)	±2°C (@ 25°C)	Glass inner door, solid outer door	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	ML-52411-76
14.8 (420)			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	ML-52411-78*

*Large-capacity models 52411-78 and -79 have double doors and casters.

coleparmer.com

USA:
+1.800.323.4340
+1.847.549.7600

Canada: +1.800.363.5900
China: +86.21.5109.9909
France: +33 (0) 1486 37800
Germany: +49 (0) 9377 92030

India: +1.800.266.1244
Italy: +39 (0) 1313 89513
UK: +44 (0) 1480.272279
All other countries: +1.847.549.7600

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