

Asahi Industrial Oven

Lab Oven LA Series

“Powering Productivity”



SCAN HERE
FOR MORE INFORMATION



Advanced Temperature Management

Intelligent PID
temperature controller
with timer, over temp.
alarm & programmable



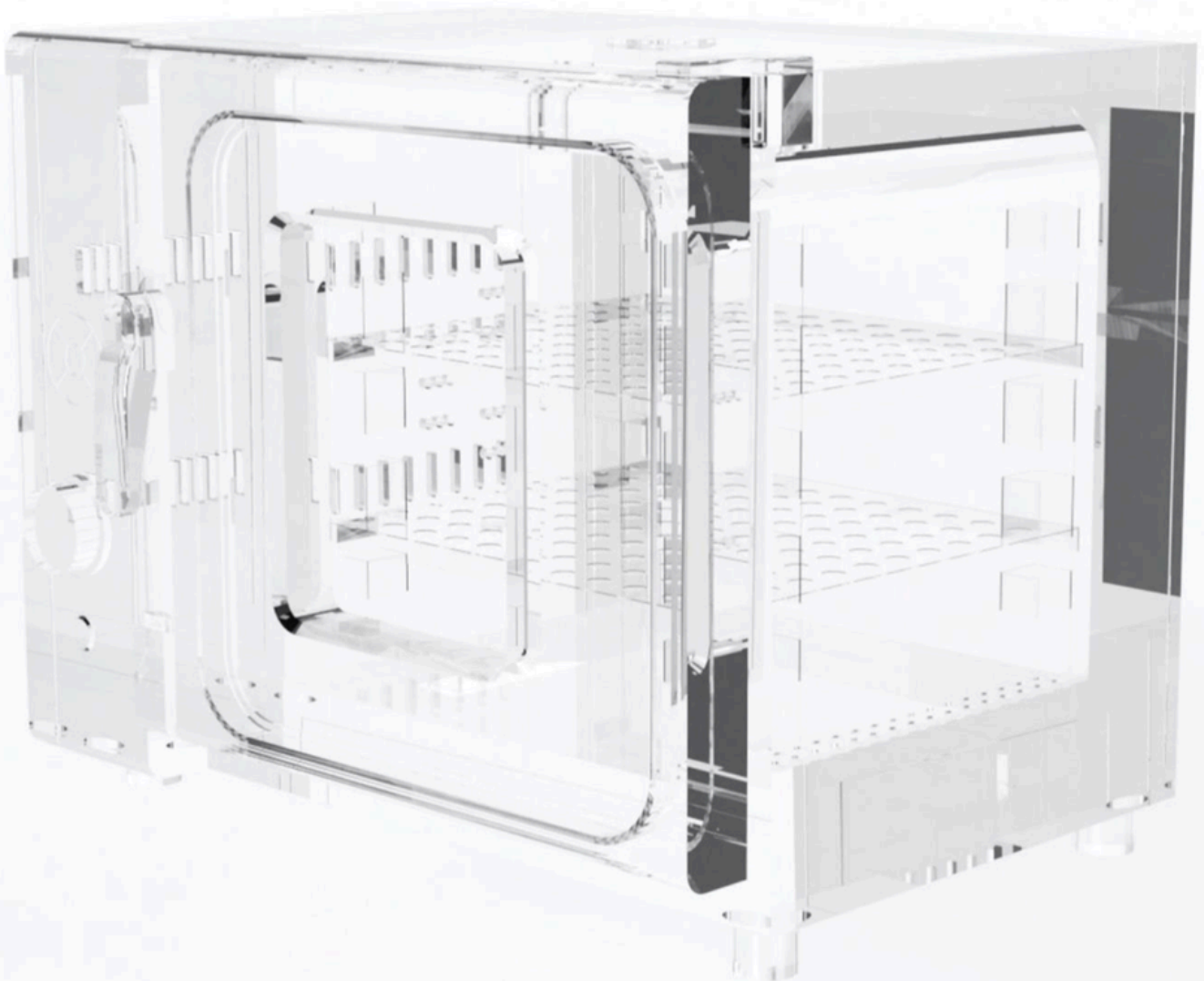
3 Fan Speed Adjustable,
Pure copper wire fan
motor that can work
continuously for long
hours



Independent mechanical
over temperature
protection



Accurate, Uniform, and Stable Heat Processing



$\pm 3\%$

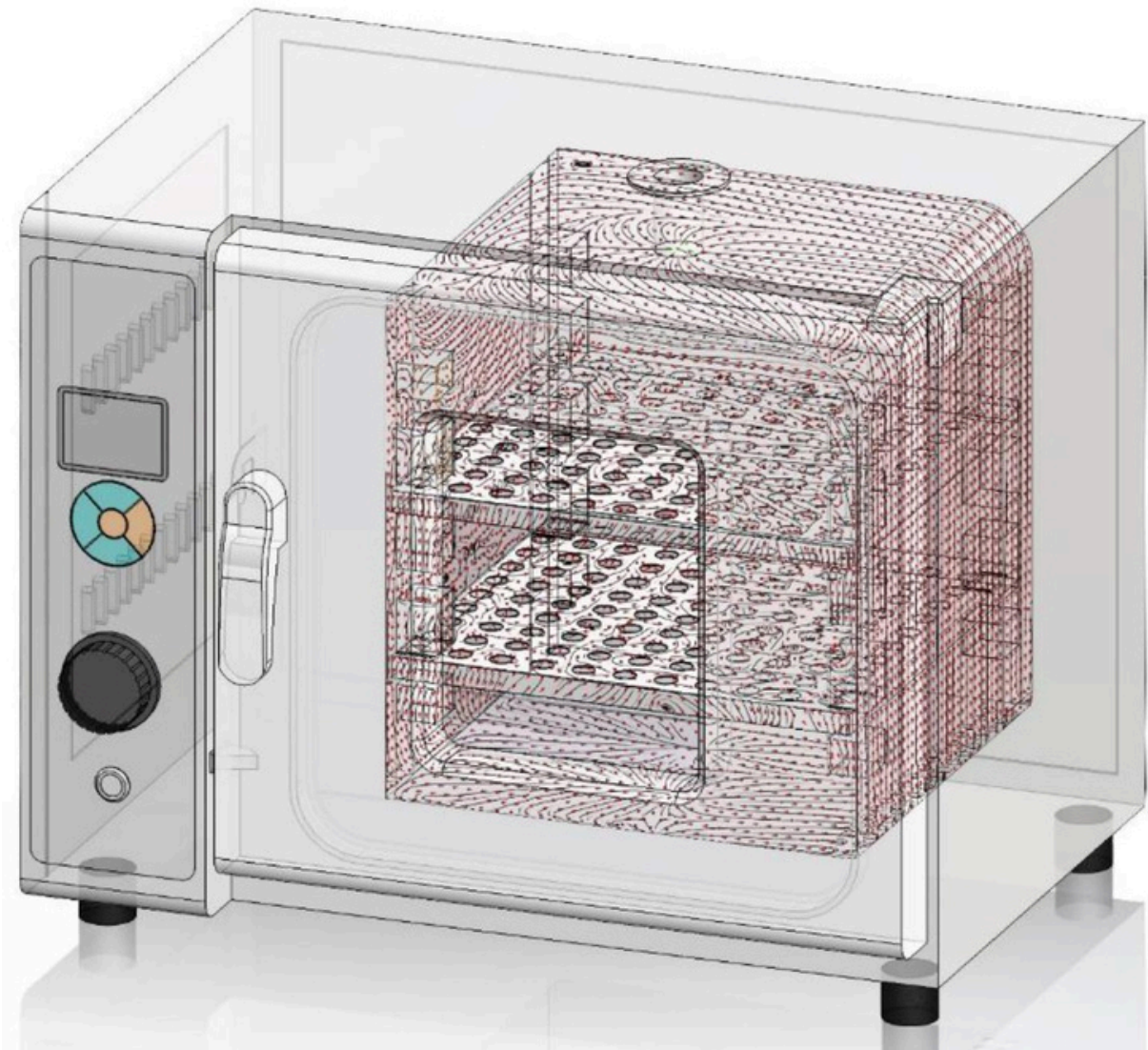
Temperature
Uniformity

$\pm 1^{\circ}\text{C}$

Temperature
Fluctuation

$\pm 0.1^{\circ}\text{C}$

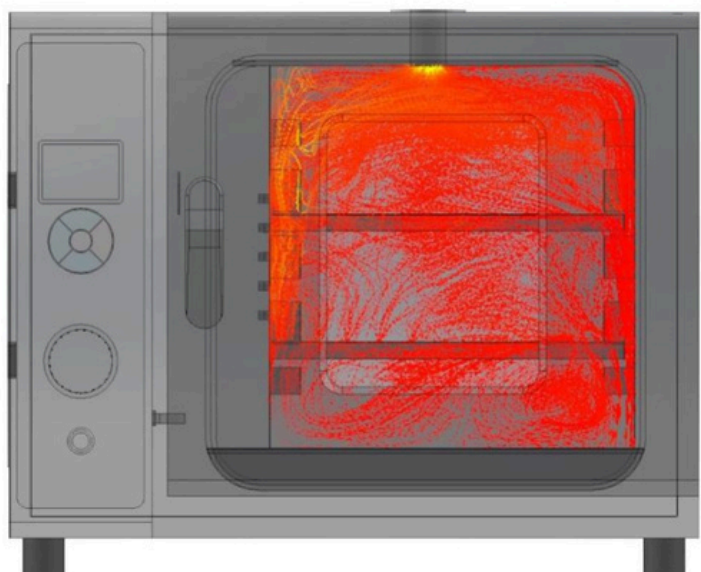
Temperature
Resolution



Our oven features a cutting-edge airflow design optimised through (Computational Fluid Dynamics) CFD analysis.

Internal airflow is precisely modelled, ensuring uniform temperature distribution and eliminating hot spots.

As a result, our oven delivers consistent and reliable performance, crucial for sensitive and precise laboratory applications.



Energy Efficiency & Safety

Superior Insulation

High-density mineral wool offers outstanding thermal insulation. External body remains cool to touch even during operation.



Silicon Door Gasket

Silicon door gasket ensure the oven chamber is tightly sealed. This reduces heat loss, resulting in better energy efficiency and cost saving.



Safety Door Switch

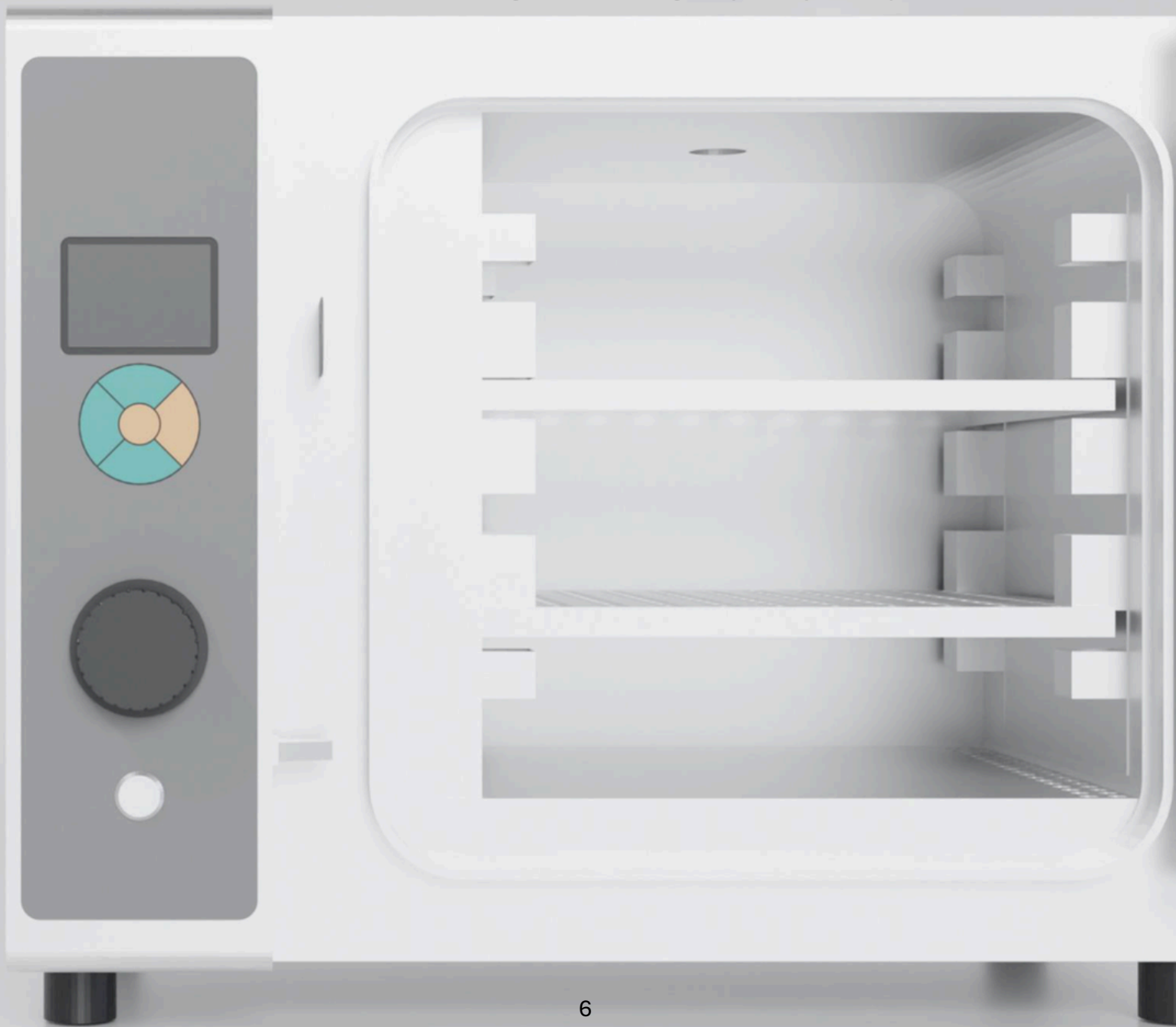
Cutoff heater automatically when door is opened, preventing burns and ensuring users' safety.



**Corrosion Resistant Inner Chamber Material,
can be used for demanding application with harsh
chemical and high temperature**

304 STAINLESS STEEL

**304 stainless steel is more rustproof due to its higher
nickel content. This reduces risk of contamination,
crucial for maintaining the integrity of your product.**

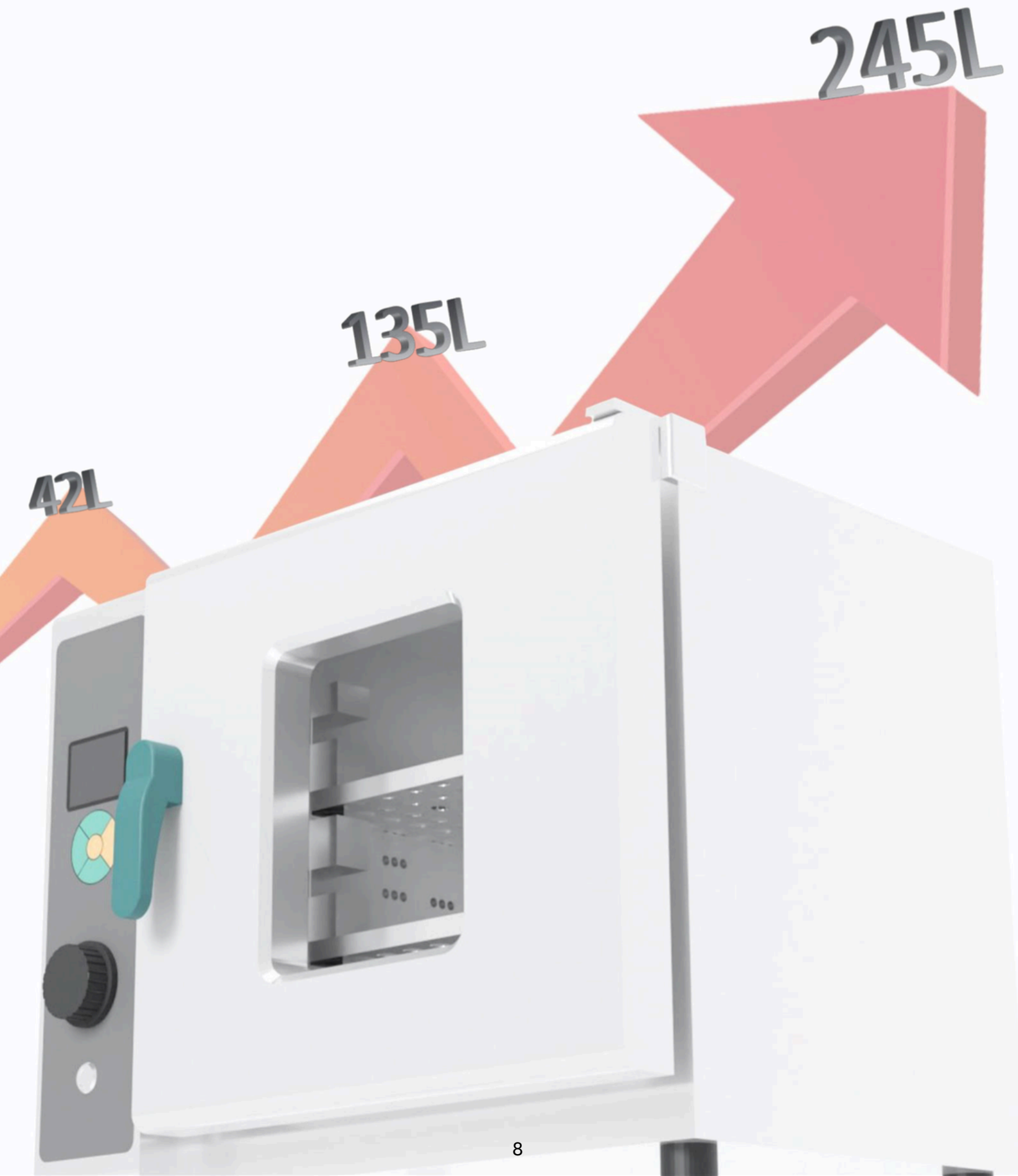


Stainless Steel Tray

Each tray can load up to 20kg (customisable for higher load).
Stainless steel tray is offered because it is more rust proof than electroplated mild steel tray.



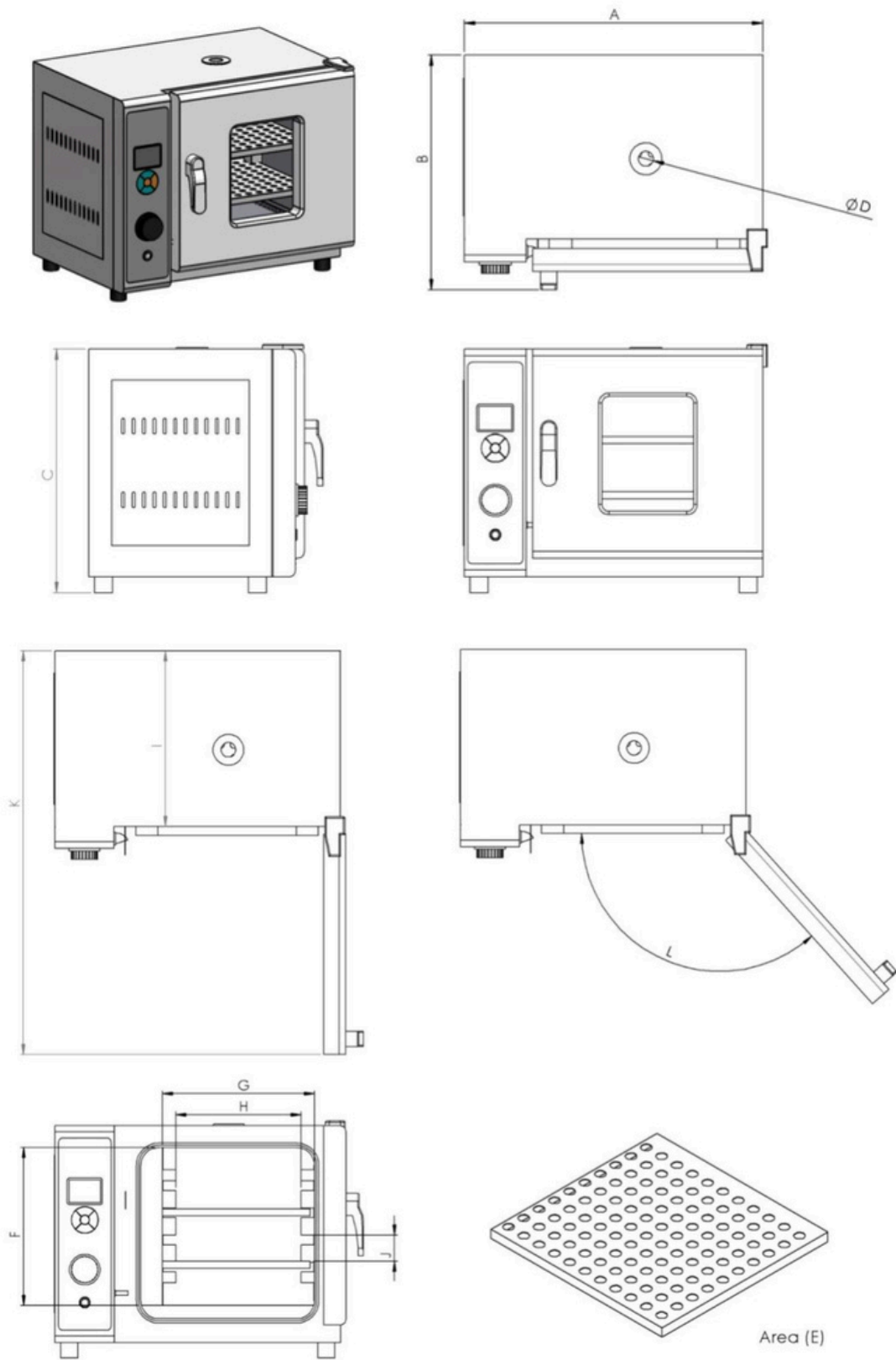
Various Size Available



Specifications

Model		LA45	LA135	LA245
Volume (L)		42	135	245
Temperature	Range (°C)	RT +10 - 300		
	Resolution (°C)	0.1		
	Fluctuation (°C)	± 1		
	Uniformity (%)	± 3		
Electrical	Heater Power (kW) Power	1	2	3
	Supply	AC 240V 50Hz (UK 3 pin plug)		
Physical Dimension	External Body Size (D x W x H) (mm)	520 x 660 x 530	620 x 860 x 730	670 x 1010 x 880
	Inner Chamber Size (D x W x H) (mm)	350 x 350 x 350	450 x 550 x 550	500 x 700 x 700
	Number of Layers	4	8	10
	Dist. btw. layer (mm)	70	70	70
	Tray Size (mm)	330 x 335	435 x 535	480 X 680
	Tray Load (kg)	20		
Construction	Inner Chamber Material	304 Stainless Steel (0.8mm thickness)		
	External Body Material	Cold Rolled Steel with Powder Coating (1mm thickness) Round		
	Heating Element	Type Stainless Steel		
	Thermal Insulation	High Density Mineral Wool		
	Door Gasket	Silicone Rubber		
	Fan	Pure Copper Wire Fan Motor, Can Run for Long Hours		
Control	Fan Speed	3 Adjustable Fan Speed		
	Temp. Controller	Intelligent PID Temperature Controller with LCD Screen Built-in		
	Timer	to temp. controller, set in hours and minutes		
	Program	30 Steps Programmable		
Safety	Over Temp. Protection	Buzzer rings if temp. exceeds limit		
	Independent Over Temp. Protection	Independent Mechanical Thermostat (Rainbow Brand)		
	Door Control Packaging	Cut-off heater when door open, restore when close		
Shipping	Size (D x W x H) (mm) Gross	570 x 710 x 600	675 x 900 x 800	720 x 1050 x 950
	Weight (kg)	41	73	96

Drawing



Dimensions

Anotation	Description	Measurements		
		LA45	LA135	LA245
B, A, C	ExternalBody Size (D x W x H) (mm)	520 x 660 x 530	620 x 860 x 730	670 x 1010 x 880
I, G, F	Inner ChamberSize (D x W x H) (mm)	350 x 350 x 350	450 x 550 x 550	500 x 700 x 700
E	Tray Size (mm x mm)	330 x 335	435 x 535	480 X 680
H	Working region length (mm)	305	505	655
J	Distance btw. each layer (mm)	70		
K	Max. door extension (mm)	930	1235	1435
L	Door open angle	$\leq 120^{\circ}$		



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