

LABORATORY DRYING OVENS , FORCED CONVECTION

PRODUCT DESCRIPTION

The Laboratory drying ovens have been designed for drying asphalt, soil, rock, concrete, aggregate or similar materials. Drying ovens capacities are manufacturing 55, 120, 250, 500 and 750 liters.

Forced Convection Laboratory Drying Ovens temperature range are from ambient to 300°C with a precision of 2 °C.

The all model ovens interior is manufactured from stainless steel and the exterior is robustly constructed from sheet steel finished in powder coated paint. Laboratory Ovens are fitted with direct reading digital control unit and equipped with an analogue over temperature protection thermostat.



48-LO4570-250F

PRODUCT MODEL

48-LO4570-55F	Laboratory Drying Ovens, 55 Liter Capacity, Forced Convection - 220-240 V 50/60 Hz
48-LO4570-120F	Laboratory Drying Ovens, 120 Liter Capacity, Forced Convection - 220-240 V 50/60 Hz
48-LO4570-250F	Laboratory Drying Ovens, 250 Liter Capacity, Forced Convection - 220-240 V 50/60 Hz
48-LO4570-500F	Laboratory Drying Ovens, 500 Liter Capacity, Forced Convection - 220-240 V 50/60 Hz
48-LO4570-750F	Laboratory Drying Ovens, 750 Liter Capacity, Forced Convection - 380 V 50 Hz

PRODUCT STANDARDS

Standards	EN 932-5, EN 1097-5, EN 12697-1 Clause C, EN 13108, EN 196-2, EN 196-21, EN 459-2 ASTM C 127, C136, D558, D559, D560, D698, D1557, D1559 BS 1924:1, BS 1377:1 UNE 103300
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Forced Convection Laboratory Drying Ovens

Forced convection laboratory drying ovens are especially suitable where high temperature uniformity and precision inside the chamber are required.

Forced air convection ovens are built with a fan inside the wall of the oven which forces the hot air in the oven to circulate throughout it.

The forced air circulation system provides both exceptional temperature uniformity and rapid heat recovery.

Temperature range is from ambient to 200°C and 300°C with precision of 2 °C.

Control System is Digital PID Controller.

The interior is made from stainless steel and the exterior is robustly constructed from sheet steel finished in powder coated paint.

The Ovens are equipped of a dual safety thermostat with higher thermic threshold to prevent accidental over-temperatures and to ensure safe working conditions.

The Ovens are supplied complete with shelves easily removable and that can be positioned at various heights.

TECHNICAL SPECIFICATIONS

Product Model	48-LO4570-55F	48-LO4570-120F	48-LO4570-250F
Capacity	55 Liters	120 Liters	250 Liters
Temperature Operating Range	Ambient Temperature / +300°C		
Temperature Adjustment and Reading Accuracy	± 2°C		
Internal Dimensions	380x380x380 mm	570x440x490 mm	570x560x800 mm
External Dimensions	550x620x750 mm	800x720x850 mm	800x850x1050 mm
Shelves	2	2	3
Weight (approx)	25 kg	70 kg	105 kg
Power	1500 W	1500 W	2000 W

Product Model	48-LO4570-500F	48-LO4570-750F
Capacity	500 Liters	750 Liters
Temperature Operating Range	Ambient Temperature / +300°C	
Temperature Adjustment and Reading Accuracy	±2°C	
Internal Dimensions	570x800x1100 mm	570x900x1500 mm
External Dimensions	800x1100x1400 mm	800x1270x1850 mm
Shelves	4	5
Weight (approx)	140 kg	170 kg
Power	3000 W	5000 W