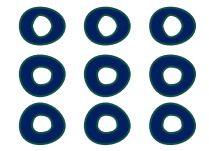




DRYBF High Capacity Drying Oven



Forced Air
Convection



Max. temp.
250°C

LCD

t° LIMITER

Digital PID Controller

RT+5°C to 250°C



Forced Air Convection

Forced Horizontal Air Convection – High Chamber Temperature Uniformity



3- zone PID algorithm



Microprocessor PID Control

Intelligent temperature controller with temperature and timing function prevent temperature hysteresis, overheating provide temperature stability...



Double Tempered Glass Window

for samples observation



Time Programing

Timer programing from starting controler or when temperature reach setting value

The COLO High Capacity drying oven is a precision device in your laboratory for heating, drying, ageing, sample preparation in science industry, quality assurance, education...

Precision temperature sensor, programmable thermo controller, interior and exterior made of high quality materials, will give your work precision and comfort.

Forced air circulation provide high temperature uniformity in chamber and protect your samples. High quality corrosion resistant material is ideal for easy cleaning and long term exploitation. Short heat up time save your time during the work process. High quality insulation prevents heat loss and saves your energy.

- Forced air circulation for excellent thermal accuracy and uniformity
- Aero-dynamic chamber designed with circulation blower to achieve superior thermal uniformity
- Separate heating compartment located on back wall for contamination free and maintenance free
- Corrosion resistant Stainless Steel 304 chamber with seamless round cornered edge allows easy cleaning and prevent leakage
- Temperature range is divided into three zones (low/middle/high)
- Each zone has its individual PID algorithm to provides precise and superior temperature control characteristic of whole temperature range
- Three-point temperature calibration that provides better accuracy over the entire temperature range
- Audio and visual alarm for PT sensor
- Audio and visual alarm for high temperature +5°C above the set value and for low temperature -5°C below the set value
- Circuit breaker for protection against excessive current
- Dual protection against overheating via a heater cut-out using a controller and an independent analog thermostat

Item	DRYBF640	DRYBF1000	DRYBF1500	DRYBF1700	DRYBF3000
	DRYBE640	DRYBE1000	DRYBE1500	DRYBE1700	DRYBE3000
Volume Liter	640	1000	1300	1870	3070
Air Circulation	Forced Air Circulation (Convection)				
Temperature range	Rt+5 - 250°C				
Temperature resolution	0,1°C				
Temperature fluctuation	±1°C				
Display type	LED DRYBF/LCD DRYBE				
Temperature control mode	Three temperature zone PID algorithm, three point calibration				
Adjustable exhaust air flap	Ø28mm on top with function of test hole				
Timer	0-9999min with timing wait function				
Housing	Cold rolling still with electro static spraying exterior				
Temperature sensor	Class A Pt-100				
Operation function	Temperature settings, timing function, auto stop, internal parameter locking, temperature correction, auto tuning, parameter memory in the case of electrical cut off, over temperature sound and light alarm				
Standard shelf number	2				
Optional shelf number (max)	11	11	15	15	18
Load per shelf (max)	30kg				
Voltage	380V/50-60Hz				
Power	5,4kW	6,6kW	9kW	12kW	18kW
Inner chamber size W*L*H mm	800*800*1000	1000*1000*1000	1000*1000*1300	1200*1200*1300	1600*1200*1600
NV/GV kg	200/250	260/310	350/400	480/550	800 /900
Standard Temperature Certificate	At 160°C in the chamber centre Issued by COLO technical service				
Temperature certificate (optional)	One or multi point temp, mapping, issued by accredited laboratory				
Optional accessories	Shelf, RS485 interface, Printer, Data logger, Program Temperature Control device, Remote control, Wi-Fi Smart phone control, Temperature Controller with ramp settings, USB data storage, Touch Screen Display, Calibration certificate, Service Certificates				

Please note

If this Drying Oven does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

COLO LabExperts



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