

## Drying Oven/Hot Air Sterilizing Oven (Forced Convection)

### Description

FCO series drying oven is the most generally used oven in laboratories. With quickly heating up and good temperature uniformity, FCO series drying oven is widely used for drying, baking, soluble wax, solidification and thermal treatment in university, industrial and mining, food processing, biochemistry, agriculture, pharmaceuticals industry, etc.



### Features

- High quality material:**  
Mirror stainless steel inner chamber and shelf, convenient for cleaning and disinfection, outer plate is coated with Akzo powder, has elegant appearance and good corrosion resistant.
- Good temperature uniformity:**  
30L to 125L model are with vertical double ducts, 230L model is with special designed base duct, to ensure all size chamber temperature uniformity within  $\pm 2.5\%$ .
- Heat isolated casing and door:**  
The oven sides, top and door are all filled with heat-insulating material (not including glass), to ensure the operators are not scalded.
- Low noise:**  
FCO oven adopt high quality motor and sound insulation material to protect lab environment, noise level under 52db.
- Speed adjusting fan (Model L):**  
Operators can adjust the motor speed to achieve the most ideal experimental results.
- Independent temperature limiter (Model L)**  
L type oven add a independent digital limiter, double guarantee the experiment will not fail because of over temperature.

### Specifications

Model	FCO-30D	FCO-45D	FCO-65D	FCO-85D	FCO-125D	FCO-230D	FCO-625D	
	FCO-30L	FCO-45L	FCO-65L	FCO-85L	FCO-125L	FCO-230L	FCO-625L	
Heating type	forced convection							
Performance	temp. range	RT+10~300℃						
	temp. resolution	0.1℃						
	temp. fluctuation	$\pm 1^\circ\text{C}$						
	temp. accuracy	$\pm 2.5\%$						
Structure	chamber material	stainless steel						
	external material	cold rolled steel, powder coating						
	thermal insulation	aluminum silicate fiber						
	heater	stainless steel heating tube				nickel-chromium alloy	stainless steel heating tube	
	rated power	0.8KW	1.2KW	1.6KW	1.8KW	2.3KW	3.0KW	5KW
air outlet	inner diameter 28mm*1, top						inner diameter 28mm*2, top	
Controller	temp. control	fuzzy PID control						
	temp. display	D: 4 digital LED display L: LCD display						
	timer	0-9999minutes						
	sensor	PT100						
Safety device	Over-temperature alarm; independent limiter (L model)							
Specification	inner (W*D*H)/mm	310*310*310	350*350*350	400*360*450	450*450*450	500*450*550	600*500*750	660*760*1250
	exterior (W*D*H)/mm	428*500*723	468*540*763	518*550*863	568*640*863	618*640*963	737*700*1266	900*960*1840
	packing(W*D*H)/mm	570*570*820	600*600*880	670*620*960	760*720*1060	900*810*1330	1050*1060*1950	1050*1060*1950
	capacity	30L	45L	65L	85L	125L	230L	625L
	shelf load-bearing	15KG						
	shelf number	2(standard)						
	voltage	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A	AC220V/8.2A	AC220V/10.5A	AC220V/13.6A	AC380V/7.6A
N.W./G.W(kg)	33/37	37/43	44/49	50/56	60/66	84/100	113/137	
Optional configuration	Shelf: RS485(L model); USB(L model); Printer(L model); SMS alarm(L model)							