

Taisite Lab Sciences Inc

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Features

1. 18L samll desktop drying oven/incubator.
2. Stainless steel corrosion-resistant inner chamber.
3. Intelligent Temperature control instrument adopts PID control program, dual digital display,
4. With timer (0-9999min) and over-temperature alarm.
5. Heat isolation door with tempered glass observation window.

Specifications

Model	WHL-25AB	WP-25AB
Heating type	Neutral convection	
Performance	temp. range	RT+10~300℃
	temp. resolution	0.1℃
	temp. fluctuation	±1℃
	temp. accuracy	±3.5%
Structure	chamber material	stainless steel
	external material	cold rolled steel, powder coating
	thermal insulation	aluminum silicate fiber
	heater	stainless steel heating tube
	rated power	0.6KW
Controller	air outlet	inner diameter 28mm*1, top
	temp. control	fuzzy PID control
	temp. display	LED display
	timer	0-9999minutes
	sensor	Pt100
Safety device	Over-temperature alarm	
Specification	inner (W*D*H)/mm	260*260*260
	exterior (W*D*H)/mm	410*410*620
	packing(W*D*H)/mm	530*560*700
	capacity	18L
	shelf load-bearing	15KG
	shelf number	2 (standard) 6 (max)
Optional configuration	voltage	AC220V/2.7A
	N.W/G.W(kg)	27/35

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

- 1. 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.
- 2. 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 ±2.5%.
- 3. 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.
- 4. Low noise:**
FCO oven adopt high quality motor and sound insulation material to protect lab environment, noise level under 52db.
- 5. Speed adjusting fan (Model L):**
Operators can adjust the motor speed to achieve the most ideal experimental results.
- 6. 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	±1℃						
	temp. accuracy	±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
Controller	air outlet	inner diameter 28mm*1, top					inner diameter 28mm*2, top	
	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)							

Description

NCO series drying oven is the most generally used natural convection oven in laboratories, is the best option for powder material heating and drying.



Features

- 1. 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.
- 2. Good temperature uniformity:**
With vertical double ducts design, the oven temperature uniformity can reach within $\pm 3.5\%$.
- 3. 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.
- 4. 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	NCO-30D	NCO-45D	NCO-65D	NCO-85D	NCO-125D	
	NCO-30L	NCO-45L	NCO-65L	NCO-85L	NCO-125L	
Heating type	natural air convection					
Performance	temp.range	RT+10-300°C				
	temp.resolution	0.1°C				
	temp.fluctuation	$\pm 1^\circ\text{C}$				
	temp.accuracy	$\pm 3.5\%$				
Structure	chamber material	mirror stainless steel				
	external material	cold rolled steel, powder coating				
	thermal insulation	aluminum silicate fiber				
	heater	nickel-chromium alloy wire				
	rated power	0.8KW	1.0KW	1.5KW	2.0KW	2.5KW
air outlet	Inner diameter $\varnothing 28\text{mm} \times 1, \text{Top}$					
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
	exterior (W*D*H)mm	428*500*723	468*540*763	518*550*863	568*640*863	618*640*963
	packing(W*D*H)mm	572*566*842	612*606*887	662*616*987	690*695*985	762*706*1087
	capacity	30L	45L	65L	85L	125L
	shelf load-bearing	15kg				
	shelf number	2(standard)				
Optional configuration	voltage	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A	AC220V/8.2A	AC220V/10.5A
	N.W/G.W(kg)	33/37	37/43	44/49	50/56	60/66
Optional configuration	Shelf; RS485(L model); USB(L model); Printer(L model); SMS alarm(L Model)					

Description

FIO series drying oven is an oven and incubator double used device. With a switch, it can exchange the heating elements inside, to define it is used as an oven or incubator. It is perfect choice for some small labs which have limited space.



Features

- 1. 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.
- 2. 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 $\pm 2.5\%$.
- 3. 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.
- 4. Low noise:**
FIO double function oven adopt high quality motor and sound insulation material to protect lab environment.
- 5. Speed adjusting fan (Model L):**
Operators can adjust the motor speed to achieve the most ideal experimental results.
- 6. 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	FIO-30D	FIO-45D	FIO-65D	FIO-85D	FIO-125D	FIO-230D	
	FIO-30L	FIO-45L	FIO-65L	FIO-85L	FIO-125L	FIO-230L	
Air circulation type	forced convection						
Performance	temp. range	culturing:RT+10~80°C; Drying :RT+80~250°C					
	temp. resolution	0.1°C					
	temp. fluctuation	culturing: $\pm 0.5^\circ\text{C}$; Drying : $\pm 1^\circ\text{C}$					
	temp.uniformity	culturing: $\pm 1\%$; Drying : $\pm 1.5\%$					
Structure	chamber material	stainless steel					
	shell material	cold rolled steel, powder coating					
	thermal insulation	aluminum silicate fiber					
	heating device	Stainless steel					Nickel-chromium
	rated power(culturing)	0.3KW	0.3KW	0.4KW	0.5KW	0.6KW	0.7KW
Controller	rated power(drying)	0.8KW	1.2KW	1.6KW	1.8KW	2.3KW	3.0KW
	Vent	inner diameter $\varnothing 28\text{mm} \times 1(\text{top})$					
	temp. control	fuzzy PID control					
	temp. display	D: 4 digital LED display L: LCD display					
Specification	timer	0~9999minutes					
	sensor	Pt100					
	Safety device	over-temperature alarm ,independent limiter (L model)					
	inner (W*D*H)/mm	310*310*310	350*350*350	400*360*450	450*450*450	500*450*550	600*500*750
	exterior (W*D*H)/mm	428*500*723	468*540*763	518*550*863	568*640*863	618*640*963	737*700*1266
	packing(W*D*H)/mm	560*560*830	600*600*880	640*605*980	690*695*985	745*700*1085	900*785*1380
Optional configuration	capacity	30L	45L	65L	85L	125L	230L
	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
N.W/G.W(kg)	33/37	37/43	44/49	50/56	60/66	84/100	
Optional configuration	Shelf; RS485(L model); USB(L model); Printer(L model); SMS alarm(L model)						

Description

VO series vacuum drying oven is specially designed for drying heat sensitive, easy decomposition and easy oxidation substances. When working, it can maintain a certain vacuum in the working room, and can be filled with inert gas, so that some complicated articles can also be dried quickly.



Features

- 1. High quality material:**
Adopt thickened steel inner chamber, ensures that the instrument does not deform in long-term use under different vacuum degrees.
- 2. Special designed structure:**
The door is designed with double layer, inside layer fixed by springs, to offer better leakproofness.
- 3. Convenient temperature control:**
PID control temperature with digital display, heating shelf adopt good quality aluminum alloy, with good thermal conductivity.
- 4. 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.

Specifications

Model		VO-24D	VO-52D	VO-91D
Heating type		four-side heating		
Performance	temp. range	RT+10~250℃		
	vacuum degree range	<133PA		
	temp. resolution	0.1℃		
	temp. fluctuation	±1℃		
	warming up time	80 minutes	100 minutes	120 minutes
Structure	chamber material	stainless steel		
	thermal insulation material	aluminum silicate fiber		
	observation window	bulletproof toughened glass		
	rated power	0.8kw	1.4kw	2.0kw
Controller	temp. control	PID control LED display		
	vacuum degree display	vacuum meter		
	timer	0~9999minutes		
	sensor	Pt100		
	Safety device	over-temperature alarm		
Specification	working size (W*D*Hmm)	300*300*270	415*370*340	450*450*450
	exterior size (W*D*Hmm)	480*480*606	560*540*680	640*590*780
	packing size (W*D*Hmm)	609*570*759	724*640*834	759*720*939
	working capacity	24L	52L	91L
	shelf load bearing	15kg		
	layer of shelf	2 layers		
	height between shelves	100mm	140mm	185mm
	air inlet /air outlet	φ14mm		
	power source	AC220V (50/60Hz)/3.6A	AC220V (50/60Hz)/6.3A	AC220V (50/60Hz)/9.1A
	NW/GW	42/52kg	67/92kg	82/105kg
Optional device	shelf, vacuum pump			



Features

- 1.Quick heating side walls and pan shelves;
- 2.Microcomputer LCD display with PID control, display in °F or °C;
- 3.Accurate vacuum gauge;
- 4.Stainless steel interior vacuum tubing maintains superior vacuum levels;
- 5.Durable stainless steel vacuum&vent valves;
- 6.Build in LED lights for better view of samples;
- 7.Stainless steel interior for great durability and ease of maintenance;
- 8.Build in check value prevents vacuum oil backflow;
- 9.91L and 215L adopt independent shelf heater, each shelf with independent controller, to realize perfect temperature uniformity and fast heating rates.

Specifications

Model		IVO-25	IVO-53	IVO-91	IVO-215
Power	Voltage	220V			380V
	Power	500W	1400W	1500W	2100W
Material	Case	Steel with epoxy powder coating			
	Chamber	Stainless Steel			
Temperature	Heating method	4-sided		4-sided(shelf heating optional)	
	Controller	low proportional gain,LCD PID control			
	Temp range	RT to 250℃			
	Temp accuracy	0.1℃			
	Temp fluctuation	±1℃			
Vacuum	Timer range	1-9999minutes			
	Max vacuum	≤133Pa (1mmHg)			
	Vacuum gauge	0 to -0.1Mpa(760mmHg to 10mmHg)			
Safety	Door gasket	Silicone			
		Circuit breaker, overheat protector			
Size	Capacity	25L	53L	91L	215L
	Chamber size	300x300x275	415x370x345	450x450x450	560x640x600
	Product size	580x450x450	720x525x535	615x590x635	1050x760x910
Shelf	Max no.	4	5	5(4-sided heating)	5(4-sided heating)
	Standard no.	1	2	3	3
	Adjustable	YES	YES	YES(shelf heating NO)	YES(shelf heating NO)