

TAISITE

**DRYING OVEN
INCUBATOR
MUFFLE FURNACE**



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About Our Company & Products

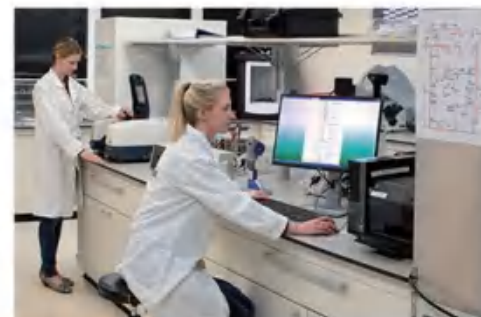
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With more than 400 scientific and laboratory products



Drying Oven

- 01 Industrial Drying Oven
- 02 Forced Convection Drying Oven (horizontal)
- 03 Natural Convection Drying Oven (horizontal)
- 04 Forced Convection Drying Oven (Vertical type)
- 05 Natural Convection Drying Oven (Vertical type)
- 06 Double Functions Oven & Incubator
- 07 Desktop Drying Oven/Incubator
- 08 High Temperature Drying Oven
- 09 Vacuum Drying Oven
- 11 High Temperature Vacuum Drying Oven
- 12 Explosion Proof Forced Convection Oven
- 13 Explosion-Proof Vacuum Drying Oven

Incubator

- 14 Forced Convection Incubator
- 15 Natural Convection Incubator
- 16 Biochemical Incubator
- 17 Mold Incubator
- 18 Constant Temp& Humidity Incubator
- 19 Growth Incubator
- 20 CO2 Incubator
- 21 Biochemical Incubator(Stainless steel)
- 22 Mold Incubator(Stainless steel)
- 23 Constant Temp& Humidity Incubator(Stainless steel)
- 24 Growth Incubator(Stainless steel)

Muffle Furnace

- 25 Resistance Furnace
- 26 Muffle Furnace 1200℃
- 27 Muffle Furnace 1200℃(Stainless steel)
- 28 Muffle Furnace 1400℃(Stainless steel)
- 29 Muffle Furnace 1700℃
- 30 Low Vacuum Atmosphere Furnace
- 31 Vacuum Atmosphere Tube Furnace

Shaker

- 32 Shaking Water Bath
- 33 Desktop Incubator shaker
- 34 Superposition shaker
- 35 Compact Stackable Incubator Shaker

Lab Furniture

- 36 Biosafety Cabinet
- 37 Laminar Flow Cabinet

Desktop Instrument

- 38 Water Distiller
- 39 Ultrapure Water Purifier
- 40 Water Bath
- 42 Hot Plate
- 43 Magnetic Stirrer
- 44 Heating Mantle

Description

This device is widely used for drying, baking, soluble wax, solidification and thermal treatment in the school laboratory, industrial and mining, food processing, biochemistry, agriculture, and pharmaceuticals industry for the big size samples.



Features

1. Cold rolling steel electrostatic spraying exterior exterior, stainless steel or cold rolling steel corrosion-resistant inner chamber.
2. Intelligent Temperature control instrument adopts PID control program, dual digital display, has a timer function(0-9999min), constant running, accurate temperature control, automatic stop, over-temperature alarm.
3. High quality heat isolation door with wide hollow tempered glass observation window.
- 4.Adjustable air-tight buckle lock and silicon rubber seal.
5. With the low noise fan, the two side heating air passage ensure high temperature evenness, suitable for high moisture samples of fast drying, forced air blower inlet structure of heat radiation, make the maximum working temperature is less than 50 °C, the forced-draught fan can run long time.

Specifications

Model		DGF-4AB	DGF-5AB	DGF-6AB	DGF-7AB
Heating type		forced convection			
Performance	temp. range	RT+10~250℃			
	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			
	rated power	6KW	12KW	24KW	24KW
	air outlet	inner diameter 50mm×2			
Controller	temp. control	fuzzy PID control			
	timer	0-9999minutes			
	sensor	Pt100			
Specification	inner (W×D×H)/mm	1000×1000×1000	1200×1200×1200	1600×1200×1600	1600×1600×1600
	exterior (W×D×H)/mm	1593×1292×1300	1793×1492×1500	2192×2150×1960	2190×2510×1960
	packing(W×D×H)/mm	1765×1417×1495	1965×1617×1695	2430×2230×2160	2430×2630×2160
	capacity	1000L	1700L	3100L	3900L
	voltage	AC380V/9.1A	AC380V/18.2A	AC380V/36.4A	AC380V/36.4A

Description

101 series drying oven is the most generally used oven in laboratories. With quickly heating up and good temperature uniformity, 101 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. The inner liner of the box is made of stainless steel, and the shell is made of high-quality steel plate
- 2. Transverse wind circulation structure, conducive to air mixing, high space utilization rate, fast drying rate
- 3. Convenient operation, fixed value operation, timed operation, automatic stop, appointment start
- 4. Special function key to achieve temperature setting
- 5. Auxiliary menu, to achieve override alarm, deviation correction, menu lock
- 6. Forced fan heat intake structure, the maximum temperature of the fan < 50 °C
- 7. Self-developed anti-pinch handle door handle, easy to open flexible

Specifications

Model		101-0AB	101-1AB	101-2AB	101-3AB
Heating type		forced convection			
Performance	temp. range	RT+10~250℃			
	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 heating wire	
	rated power	1.2KW	1.6KW	2.0KW	4.0KW
	air outlet	inner diameter 28mm*1, top			
Controller	temp. control	Digital tube display double PID			
	temp. display	Measuring temperature display 4 digits upper display; Set temperature display: 4 digits lower display			
	timer	0-9999minutes (hours)			
	sensor	Pt100			
Safety device		Over-temperature alarm			
Specification	inner (W*D*H)/mm	350*350*350	450*350*450	550*450*550	550*500*750
	exterior (W*D*H)/mm	630*530*555	730*530*655	830*625*755	860*685*995
	packing(W*D*H)/mm	749*603*705	849*603*810	950*703*910	985*766*1175
	capacity	43L	71L	136L	210L
	shelf load-bearing	15KG			
	shelf number	2(standard)			
	voltage	AC220V/5.5A	AC220V/7.3A	AC220V/9.1A	AC220V/18.2A
	N.W/G.W(kg)	33/37	45/50	62/68	77/96
Optional configuration		Shelf; RS485; Printer			

Description

202 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.The inner liner of the box is made of stainless steel, and the shell is made of high-quality steel plate
- 2. Natural convection floor, uniform temperature
- 3. Convenient operation, fixed value operation, timed operation, automatic stop, appointment start
- 4. Special function key to achieve temperature setting
- 5. Auxiliary menu, to achieve override alarm, deviation correction, menu lock
- 6. Forced fan heat intake structure, the maximum temperature of the fan < 50 °C
- 7. Self-developed anti-pinch handle door handle, easy to open flexible

Specifications

Model		202-0AB	202-1AB	202-2AB	202-3AB
Heating type		natural convection			
Performance	temp. range	RT+10~250℃			
	temp. resolution	0.1℃			
	temp. fluctuation	±1℃			
	temp. accuracy	±3.0%			
Structure	chamber material	stainless steel			
	external material	cold rolled steel, powder coating			
	thermal insulation	aluminum silicate fiber			
	heater	Nickel-chromium alloy heating wire			
	rated power	1.2KW	1.6KW	2.0KW	4.0KW
	air outlet	inner diameter 28mm*1, top			
Controller	temp. control	Digital tube display double PID			
	temp. display	Measuring temperature display 4 digits upper display; Set temperature display: 4 digits lower display			
	timer	0-9999minutes (hours)			
	sensor	Pt100			
Safety device		Over-temperature alarm			
Specification	inner (W*D*H)/mm	400*350*350	500*350*450	600*450*550	600*500*750
	exterior (W*D*H)/mm	630*530*555	730*530*655	830*625*755	860*685*995
	packing(W*D*H)/mm	749*603*705	849*603*810	950*703*910	985*766*1175
	capacity	43L	71L	136L	225L
	shelf load-bearing	15KG			
	shelf number	2(standard)			
	voltage	AC220V/5.5A	AC220V/7.3A	AC220V/9.1A	AC220V/18.2A
	N.W/G.W(kg)	29/33	41/46	58/64	73/92
Optional configuration		Shelf; RS485; Printer			

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 $\pm 2.5\%$.

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:

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	$\pm 1^\circ\text{C}$						
	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
Controller	air outlet	inner diameter 28mm*1, top						inner $\varnothing$ 28mm*2 top
	temp. control	fuzzy PID control						
	temp. display	D: 4 digital LED display L: LCD display						
	timer	0-9999minutes						
Safety device	sensor	Pt100						
		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*505*710	468*538*753	518*550*860	567*640*853	617*639*953	735*625*1220	900*960*1840
	packing(W*D*H)/mm	552*578*840	592*618*880	642*628*980	692*718*980	742*718*1080	898*814*1347	1051*1060*1949
	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℃				
	temp.resolution	0.1℃				
	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
Controller	air outlet	Inner diameter $\varnothing$ 28mm*1,Top				
	temp. control	fuzzy PID control				
	temp. display	D: 4 digital LED display L: LCD display				
	timer	0-9999minutes				
Safety Device	sensor	Pt100				
		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*505*710	468*538*753	518*550*860	567*640*853	617*639*953
	packing(W*D*H)mm	552*578*840	592*618*880	642*628*980	692*718*980	742*718*1080
	capacity	30L	45L	65L	85L	125L
	shelf load-bearing	15kg				
	shelf number	2(standard)				
	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℃; Drying :RT+80~250℃					
	temp. resolution	0.1℃					
	temp. fluctuation	culturing:±0.5℃, Drying :±1℃					
	temp.uniformity	culturing:±1%; Drying :±1.5%					
Structure	chamber material	stainless steel					
	shell material	cold rolled steel, powder coating					
	thermal insulation	aluminum silicate fiber					
	heating device	Stainless steel heating tube					Nickel-chromium alloy
	rated power(culturing)	0.3KW	0.3KW	0.4KW	0.5KW	0.6KW	0.7KW
	rated power(drying)	0.8KW	1.2KW	1.6KW	1.8KW	2.3KW	3.0KW
	Vent	inner diameter Φ28mm*1(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
	exterior (W×D×H)mm	428×505×710	468×538×753	518×550×860	567×640×853	617×639×953	735×625×1220
	packing(W×D×H)mm	552×578×840	592×618×880	642×628×980	692×718×980	742×718×1080	898×814×1347
	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)					



Features

- 1.18L small 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℃	RT+5~65℃
	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	0.18KW
	air outlet	inner diameter 28mm*1, top	
Controller	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)	
	voltage	AC220V/2.7A	AC220V/0.8A
	N.W/G.W(kg)	27/35	
Optional configuration		Shelf	

Features

1. Can carry out high temperature heat resistance testing and heat treatment at 400℃/500℃/600℃ and below
2. Intelligent microcomputer integrated temperature control system, PID logic operation function
3. Color LCD screen digital display, with functions such as temperature setting, constant temperature, timing, self-tuning, over-temperature alarm, etc.
4. It has the function of recovering incoming calls, and it also has the function of sensor self-diagnosis at startup and over-temperature alarm function.
5. The inner tank is made of 304 stainless steel and has a rounded corner design, making it easy to clean.
6. The heating element adopts resistant 304 stainless steel heating tube
7. Retractable door lock, automatically locks when closing the door, easy to open, good sealing
8. Comes with 4 free casters to facilitate product movement

Specifications

Model	TWG-4032L			TWG-4050L			TWG-4080L			TWG-4136L			TWG-4225L			
	TWG-5032L			TWG-5050L			TWG-5080L			TWG-5136L			TWG-5225L			
	TWG-6032L			TWG-6050L			TWG-6080L			TWG-6136L			TWG-6225L			
Heating type		forced hot air circulation														
Performance	temp. range	RT~10~400℃/500℃/600℃														
	temp	4 series: 400℃, 5 series: 500℃, 6 series: 600℃														
	long-term temperature	4 series: 380℃, 5 series: 480℃, 6 series: 580℃														
	constant temp. fluctuator	≤±2℃														
	temp. resolution	0.1℃														
	temp. accuracy	±2.5%														
	heating rate	≥5℃/min														
Structure	chamber material	304 stainless steel														
	external material	cold rolled steel, powder coating														
	thermal insulation	aluminum silicate fiber														
	heater	stainless steel heating tube														
	rated power	400℃ 1.8KW	500℃ 2.0KW	600℃ 3.0KW	400℃ 2.0KW	500℃ 2.5KW	600℃ 4.0KW	400℃ 2.0KW	500℃ 3.0KW	600℃ 4.0KW	400℃ 2.5KW	500℃ 3.4KW	600℃ 5.5KW	400℃ 3.0KW	500℃ 5.5KW	600℃ 7.0KW
air outlet		Top inner diameter 40mm														
Controller	sensor	Type K														
	Timing range	0~9999min/sec (hours) Timing function can be selected (none, constant temperature timing, running timing)														
	Mode of operation	Fixed value operation, scheduled operation, automatic stop, scheduled start														
Specification	inner (W×D×H)/mm	300×300×350			350×350×400			400×400×450			450×550×550			500×600×750		
	exterior (W×D×H)/mm	400℃	670×510×750		400℃	720×560×800		400℃	770×610×850		400℃	820×760×950		400℃	870×810×1150	
		500℃			500℃			500℃			500℃			500℃		
		600℃	770×610×850		600℃	820×660×900		600℃	870×710×950		600℃	920×860×1050		600℃	970×910×1250	
	packing(W×D×H)/mm	400℃	770×630×880		400℃	820×670×940		400℃	870×720×980		400℃	920×870×1080		400℃	970×910×1280	
		500℃			500℃			500℃			500℃			500℃		
		600℃	790×640×900		600℃	850×690×970		600℃	890×740×1020		600℃	950×900×1110		600℃	990×940×1320	
	capacity	32L			50L			80L			136L			225L		
	shelf load-bearing	10KG														
	shelf number	2(standard)														
	voltage	400℃ 220V/9A	500℃ 220V/10A	600℃ 220V/14A	400℃ 220V/10A	500℃ 220V/12A	600℃ 380V/11A	400℃ 220V/10A	500℃ 220V/14A	600℃ 380V/11A	400℃ 220V/12A	500℃ 380V/12A	600℃ 380V/15A	400℃ 220V/14A	500℃ 380V/15A	600℃ 380V/19A
	N.W./G.W(kg)	400℃ 70/80	500℃ 90/100	600℃ 90/100	400℃ 85/95	500℃ 100/120	600℃ 100/120	400℃ 90/100	500℃ 110/130	600℃ 110/130	400℃ 120/145	500℃ 145/170	600℃ 145/170	400℃ 150/175	500℃ 150/175	600℃ 180/205
	accessory		RS485													
Optional configuration		Program controller (30 segments), independent temperature limit controller, sound and light alarm, timer, printing system, inert gas filling valve, inert gas control system														

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	VO-52BE	VO-91BE
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	100 minutes	120 minutes
	chamber material	stainless steel				
Structure	internal material	Cold-rolled steel plate with drug-resistant coating				
	thermal insulation material	aluminum silicate fiber				
	heater	Stainless steel heating tube is heated on all sides				
	observation window	bulletproof toughened glass				
	vacuum gauge	Pointer type				
	rated power	0.8kw	1.4kw	2.0kw	1.4kw	2.0kw
Controller	temp. control	PID control LED display				
	temperature expression mode	Measuring temperature display: 4-digit digital upper display; Set temperature display: 4 digits lower display				
	automatic vacuum degree	no				
	vacuum degree display	vacuum meter				
	timer	0~9999minutes				
	sensor	Pt100				
Specification	Safety device	over-temperature alarm				
	working size (W×D×Hmm)	300×300×270	415×370×340	450×450×450	415×370×340	450×450×450
	exterior size (W×D×Hmm)	459×492×608	574×562×683	609×642×788	574×562×683	609×642×788
	packing size (W×D×Hmm)	610×570×700	740×640×770	770×740×890	740×710×830	770×755×897
	working capacity	24L	52L	91L	52L	91L
	shelf load bearing	15kg				
Optional device	layer of shelf	2 layers				
	height between shelves	100mm	140mm	185mm	140mm	185mm
	air inlet / air outlet	φ10mm				
	power source	AC220V (	AC220V (50/60Hz)/6.3A	AC220V (	AC220V (50/60Hz)/6.3A	AC220V (
	NW/GW	42/52kg	67/92kg	82/105kg	92/122kg	107/135kg
		shelf, vacuum pump(BE standard)				

Description

IVO 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.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;
- 9.9L 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-25S	IVO-53	IVO-53S	IVO-91	IVO-91S	IVO-215	IVO-215S
Power	Voltage	220V/50Hz							
	Power(shelf heating)	300W		800W		1500W		2100W	
	Power(4-sided heating)	600W		1400W		2000W		3000W	
Material	Case	Steel with epoxy powder coating							
	Chamber	Stainless Steel							
Temperature	Heating method	4-sides	shelf	4-sides	shelf	4-sides	shelf	4-sides	shelf
	Controller	LCD PID control							
	Temp range	RT to 250°C							
	Temp accuracy	0.1°C							
	Temp fluctuation	±1°C							
	Timer range	1-9999minutes							
Vacuum	Max vacuum	≤133Pa (1mmHg)							
	Door gasket	Silicone							
Safety		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)	



Features

- Microcomputer intelligent temperature control, PID logic operation function.
1. Large screen LCD display, one screen display setting temperature, operating temperature, operating time, temperature control is reliable.
 2. Medical pointer type vacuum meter, accuracy up to 2.5.
 3. Modular operation of the control system, temperature module and vacuum module do not affect each other, stable and efficient.
 4. Automatic saving of emergency parameters, and call recovery function, but also with the sensor self-diagnosis, overtemperature and fault alarm function.
 5. The inner liner is made of 304 stainless steel, the thickness is up to 3mm, the shell is made of high-quality cold-rolled steel plate, the surface is sprayed by electrostatic coating, the paint is firm and durable.
 6. Internal heating, uniform temperature.
 7. The sealing ring uses a molding silicone sealing ring, high temperature resistance, anti-aging, good sealing effect.

Specifications

Model		TDZ-4025L	TDZ-4030L	TDZ-4052L	TDZ-4091L	TDZ-4215L	TDZ-4252L	TDZ-4430L
		TDZ-5025L	TDZ-5030L	TDZ-5052L	TDZ-5091L	TDZ-5215L	TDZ-5252L	TDZ-5430L
Performance	temp. range	RT+10~400/RT+20~500℃(maximum working temperature 350℃/450℃)						
	use vacuum range	<133PA						
	temperature resolution	0.1℃						
	temperature fluctuation	±1℃						
Structure	chamber material	304 stainless steel						
	external material	cold rolled steel, powder coating						
	thermal insulation	aluminum silicate fiber						
	heater	Internal heating						
	vacuum	Pointer vacuum gauge, standard vacuum pump						
Controller	temperature control mode	Color liquid intelligent control PID						
	temperature setting mode	Tap the button to set						
	temperature representation	Measuring temperature display: 4-digit digital upper display: Set temperature display :4 digits lower display						
	program mode	assorting						
	running function	Fixed value operation, timed operation, automatic stop, power off memory, sensor deviation correction, self-tuning, internal parameter locking						
	sensor	Pt100						
Specification	inner (W×D×H)/mm	300×300×275	320×320×300	410×370×345	450×450×450	560×640×600	600×600×700	630×810×845
	overall dimension(400	480×500×1150	500×540×1160	580×550×1285	640×690×1470	750×870×1650	800×840×1750	830×1050×1750
	overall dimension(500℃)	640×500×1020	580×550×1220	670×600×1270	710×680×1380	755×870×1680	860×830×1630	890×940×1780
	net/gross weight	98/115	110/127	131/149	164/183	252/275	268/292	452/495
	capacity	25L	30L	52L	91L	215L	252L	430L
	shelf load-bearing	15KG						
	shelf number	2(standard)						
	power	1.2/2.1 KW	1.35/2.3 KW	1.85/2.5 KW	3.35/3.5 KW	4.5/5.15 KW	5.55/6.5 KW	10/11 KW
	voltage	220V					380V	
safety device	Over temperature alarm, over load protection, fast fuse, ground protection							
Optional configuration	er (30 segments), independent temperature limit controller, sound and light alarm, timer, printing system, inert gas filling valve, inert gas							



Features

The enclosure adopts explosion-proof type, and the equipment and electrical appliances adopt overall explosion-proof technology. The explosion-proof control oven is centrally protected to prevent leakage of unsafe factors such as high temperature, static electricity, and sparks.

It mainly consists of drying oven, explosion-proof heating system, explosion-proof electrical control, and other parts.

The inner liner of the oven is made of mirror stainless steel, and the outer shell is made of high-quality steel plate, which has a beautiful and generous appearance, and the inner liner is easy to clean. Vertical dual duct air sleeve, turbine centrifugal forced air supply, uniform temperature.

Convenient operation, fixed value operation, timed operation, automatic stop, scheduled start.

Using explosion-proof 304 stainless steel heating tubes for heating.

Specifications

Model	TEX-65LG	TEX-125LG	TEX-230LG	TEX-625LG
Heating type	forced convection			
Temp.range	RT+10 ~300℃			
Temp.resolution	0.1℃			
Temp.fluctuation	±1℃			
Temp.accuracy	±2.5%			
Chamber material	mirror stainless steel			
External material	cold-rolled steel plate with drug-resistant coating			
Thermal insulation	aluminium silicate fibre			
Heater	stainless steel heating tube (explosion-proof qualification)			
Rated power	1.6KW	2.3KW	3KW	5.75KW
Air outlet	inner diameter 28mm*1, top			inner diameter 28mm*2, top
Temp.control	PID control LED display			
Temp. seting	explosion-proof key setting			
Temp.display	temperature measurement display: LCD upper display; Set temperature display: LCD lower display			
Timer	0~ 9999 minutes (or hours), timing function can be selected (none, constant temperature timing, running timing)			
Running function	fixed value operation, timed operation, automatic stop, scheduled start			
Program mode	optinal			
External cable protection	adopt explosion-proof flexible connecting pipe set (explosion-proof qualification)			
Sensor	explosion proof armored PT100 (explosion proof qualification)			
Additional function	deviation correction, menu key locking, power failure memory, over lift preventer			
Anti-hazard classification	Ex de mb IIB T4 Gb			
Safety device	over rise alarm, menu lock, over rise prevention			
Inner (W*D*Hmm)	400×360×450	500×450×550	600×500×750	660×760×1250
Exterior (W*D*Hmm)	535×490×820	636×580×930	735×625×1220	900×960×1840
Packing (W*D*Hmm)	970×620×960	760×700×1060	898×814×1347	1051×1060×1949
Capacity	65L	125L	230L	625L
Shelf load-bearing	15KGS			
Shelf number	9	13	17	7
Shelf spacing	35mm			
Voltage (50/60Hz)	AC220V/7.2A	AC220V/10.5A	AC220V/13.6A	AC220V/8.7A
N.W/G.W kg	43/49	60/66	84/100	113/137
Shelf	2			
Addable configuration	explosion proof grille, explosion-proof dumpling chain, explosion-proof pressure relief door, explosion-proof seven inch			



Features

The enclosure adopts explosion-proof type, and the equipment and electrical appliances adopt overall explosion-proof technology. The explosion-proof control oven is centrally protected to prevent leakage of unsafe factors such as high temperature, static electricity, and sparks.

This equipment mainly consists of a drying oven, an explosion-proof heating system, explosion-proof electrical control, and other parts.

The inner liner of the oven is made of brushed stainless steel, and the outer shell is made of high-quality steel plate, which has a beautiful and generous appearance.

The heating method is equipped with an explosion-proof 304 heating tube inside and outside, and there are no live components inside the box, which is safe and reliable.

Convenient operation, fixed value operation, timed operation, automatic stop, scheduled start.

Specifications

Model	TEX-52LU	TEX-91LU
Heating type	four-side heating	
Temp.range	RT+10 ~250℃	
Vacuum range	<133Pa	
Temp.resolution	0.1℃	
Temp.fluctuation	±1℃	
Heating up time	100 minutes	120 minutes
Chamber material	stainless steel	
External material	cold-rolled steel plate with drug-resistant coating	
Thermal insulation	aluminium silicate fibre	
Heater	stainless steel heating tube (explosion-proof qualification)	
Sight window	bullet-proof tempered glass	
Rated power	1.4KW	2.0KW
Temp.control	PID control LED display	
Temp. seting	explosion-proof key setting	
Temp.display	temperature measurement display: LCD upper display; Set temperature display: LCD lower display	
Timer	0~ 9999 minutes (or hours), timing function can be selected (none, constant temperature timing, running timing)	
Running function	fixed value operation, timed operation, automatic stop, scheduled start	
Program mode	optinal	
External cable protection	adopt explosion-proof flexible connecting pipe set (explosion-proof qualification)	
Sensor	explosion proof armored PT100 (explosion proof qualification)	
Additional function	deviation correction, menu key locking, power failure memory, over lift preventer	
Anti-hazard classification	Ex de mb IIB T4 Gb	
Safety device	over rise alarm, menu lock, over rise prevention	
Inner (W*D*Hmm)	415×370×340	450×450×450
Exterior (W*D*Hmm)	600×562×691	640×642×796
Packing (W*D*Hmm)	734×775×818	769×855×923
Capacity	52L	91L
Shelf spacing	140mm	185mm
Induction port/Exhaust port	Φ 10mm	
Voltage (50/60Hz)	AC220V/6.3A	AC380V/9.1A
N.W/G.W kg	67/92	82/105
Shelf	2	
Addable configuration	explosion proof grille, explosion-proof dumpling chain, explosion-proof pressure relief door, explosion-proof seven inch Touch Screen instrument (with curve and program functions), explosion-proof mouse,shelf, vacuum pump	

Description

FCI series electrothermal incubator is the most generally used incubator in laboratories. With quickly heating up and good temperature uniformity, FCI series incubator is widely used for bacteria culture, fermentation and constant temperature test in hospital, pharmaceutical industry, biochemical field and agricultural research and other departments.

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

3. Heat isolated casing and door:

The incubator sides, top and door are all filled with heat-insulating material (not including glass), to ensure the operators are not scalded.

4. Low noise:

FCI incubator adopt high quality motor and sound insulation material to protect lab environment.

5. Independent temperature limiter (Model L)

L type add a independent digital limiter, double guarantee the experiment will not fail because of over temperature.

Specifications

Model		FCI-30D	FCI-45D	FCI-65D	FCI-85D	FCI-125D	FCI-230D
		FCI-30L	FCI-45L	FCI-65L	FCI-85L	FCI-125L	FCI-230L
Heating type		forced air					
Performance	temp.range	RT+5~80 $^{\circ}\text{C}$					
	temp.resolution	0.1 $^{\circ}\text{C}$					
	tem. fluctuation	$\pm 0.5^{\circ}\text{C}$					
	temp accuracy	$\pm 1^{\circ}\text{C}$					
	temp. fluctuation	$\pm 0.5^{\circ}\text{C}$					
Structure	chamber material	mirror stainless steel					
	external material	cold rolled steel, powder coating					
	thermal insulation	aluminum silicate fiber					
	heater	Heating tube					
	rated power	0.15KW	0.25KW	0.50KW	0.55KW	0.60KW	0.70KW
Controller	air outlet	Inner diameter $\varnothing 28\text{mm} \times 1, \text{Top}$					
	temp.control	PID control					
	temp. display	D: 4 digital LED display L: LCD display					
	timer	0~9999minutes					
	sensor	Pt100					
Safety Device		deviation correction, menu button lock, power failure compensation, power failure memory					
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
	exterior (W×D×H)/mm	428×505×710	468×538×753	518×550×860	567×640×853	617×639×953	735×625×1220
	packing(W×D×H)/mm	552×578×840	592×618×880	642×628×980	692×718×980	742×718×1080	898×814×1347
	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	94/120
	Optional configuration	Shelf; RS485(L model); USB(L model); Printer(L model); SMS alarm(L model)					
	Optional configuration	Shelf; RS485(L model); USB(L model); Printer(L model); SMS alarm(L model)					

Description

NCI series incubator is a widely used incubator. The special designed heating method make it has very good temperature uniformity even without fan inside, can also prevent the culture solution from being blown dry.

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:

Special designed heating method make it has very good temperature uniformity $\pm 1^{\circ}\text{C}$.

3. UV lamp (Model L):

UV lamp and fluorescent lamp installed inside..

4. Gas inlet (Model L)

Gas inlet installed at bottom for special gas atmosphere required.

5. 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		NCI-43D	NCI-63D	NCI-124D	NCI-209D
		NCI-43L	NCI-63L	NCI-124L	NCI-209L
Performance	temp. range	RT+5~65 $^{\circ}\text{C}$			
	temp. resolution	0.1 $^{\circ}\text{C}$			
	temp. fluctuation	$\pm 0.5^{\circ}\text{C}$			
	temp. uniformity	$\pm 1.0^{\circ}\text{C}$			
	temp. fluctuation	$\pm 0.5^{\circ}\text{C}$			
Structure	chamber material	mirror stainless steel			
	external material	spraying cold rolled steel			
	thermal insulation material	PU			
	heater	heating tube			
	rated power	0.25kw	0.25kw	0.5kw	0.6kw
Controller	air outlet	Inner diameter $\varnothing 28\text{mm} \times 1, \text{Top}$			
	additional	fluorescent lamp(L model); UV(L model); gas inlet(L model)			
	temp. control	PID control			
	temp. display	D: 4 digital LED display L: LCD display			
	timer	0~9999 minutes			
Safety device	sensor	Pt100			
	additional	RS485(L model)			
	additional	over-temperature alarm; independent limiter (L model)			
	inner (W×D×Hmm)	350×350×350	400×350×450	500×450×550	600×580×600
	exterior (W×D×Hmm)	500×475×615	550×475×715	650×575×815	750×705×865
Specification	packing(W×D×Hmm)	641×610×781	691×610×881	791×710×981	891×840×1031
	capacity	43L	63L	124L	209L
	shelf load bearing	15kg			
	shelf number	2(standard)			
	voltage	AC220V/1.1A	AC220V/1.1A	AC220V/2.3A	AC220V/2.7A
	NW/GW	29/32kg	33/38kg	49/53kg	62/67kg
	Optional device	shelf			
	Optional device	shelf			
	Optional device	shelf			
	Optional device	shelf			

Description

CBI series biochemical incubator is the most widely used cooling incubator in environmental protection department, health and epidemic prevention department, agricultural research institute, etc. It is used in water analysis, BOD determination, microbial culture, breeding experiment, etc.

Features

Structure:

1. The inner chamber and shelf are made of mirror stainless steel, beautiful and practical, convenient for cleaning and disinfection;
2. There is no screw inside, the whole structure is smooth and beautiful, easy to sterilize;
3. The air-inlet grille can be opened directly to clean the condenser (please clean the condenser once every two months, so as not to affect the refrigeration performance of the compressor).
4. Casters are provided at the bottom for easy movement.

Intelligence:

1. Big LCD display, clear and intuitive, easy to operate;
2. All models have over temperature alarm, P type has additional independent digital limiter, ensure the temperature accuracy;
3. Multi-stage program setting to meet different experimental requirements;

Temperature:

1. High-quality compressor to ensure long running time;
2. Double evaporator switch work to ensure no frost operation;
3. Special duct design ensures temperature uniformity within 1°C; Also can ensure the petri dish not to be blew dry.



L Type Controller



P Type Controller



Condenser Cleaning



Condensate Water Valve

Specifications

Model		CBI-80L	CBI-150L	CBI-250L	CBI-400L
		CBI-80P	CBI-150P	CBI-250P	CBI-400P
Performance	temp. range	0~65℃			
	temp. fluctuation	±0.5℃			
	temp. resolution	0.1℃			
	temp. accuracy	1℃ (at 37℃)			
	ambient Temp.	5~35℃			
Structure	rated power	600W	800W	1000W	1600W
	compressor	air-cooled hermetic compressor			
	refrigerant	R134a			
	defrosting	double evaporator switch			
	testing hole	inner diameter Φ52mm*1			
Controller	insulation material	sponge			
	controller	L:Color LCD P:large screen Color LCD			
	temp. and humidity control	L:Single segment timing control P:30 segments program control			
	sensor	PT100			
Specification	safety	L:mechanical temperature limiter, P:digital temperature limiter			
	inner (W×D×Hmm)	420×350×500	500×400×750	500×500×950	700×582×1000
	exterior (W×D×Hmm)	570×560×1073	640×620×1260	640×710×1463	867×820×1825
	packing(W×D×Hmm)	720×720×1120	790×770×1380	800×870×1580	1013×944×1943
	capacity	80L	150L	250L	400L
	shelf load bearing	15Kg			
	N.W/G.W(kg)	65/83	86/106	100/127	160/220
Optional configuration	voltage	AC220V 50Hz			
	shelf number	2(standard)			
		shelf, RS485, Printer, recorder, remote control, SMS alarm, USB port			

Description

CMI series incubator is widely used in bacteria, mold, microorganism, anti-biology, tissue cell culture and preservation, plant cultivation, breeding test, biological products, drugs, vaccines, blood and a variety of specimen preservation and test.



Features

1. Glass inner door, easy to check the internal situation at any time
2. LCD multi-data full-screen operation display, convenient operation, fixed value operation, timing operation, automatic stop
3. Special function keys to implement temperature setting, auxiliary menu, implement overheating alarm, deviation correction, and menu lock
4. Turbine centrifugal forced air supply, top-mounted air uniform system, uniform temperature
5. Power failure protection, parameter memory, power recovery, compressor overload protection
6. The air intake grille can be opened directly to facilitate cleaning of the condenser, automatic frosting to avoid evaporator freezing failure
7. Internal lighting, built-in ultraviolet germicidal lamp, external five-hole expansion socket
8. The pull-out stainless steel grate is convenient for taking and placing samples, and it is easier to move the box with universal casters at the bottom

Specifications

Model		CMI-80L	CMI-150L	CMI-250L	CMI-400L
		CMI-80P	CMI-150P	CMI-250P	CMI-400P
Performance	temp. range	without humidification: 0~65℃; with humidification: 10~65℃			
	temp. fluctuation	±0.5℃			
	temp. Resolution	0.1℃			
	temp. uniformity	±0.5℃			
	temp. accuracy	±0.8℃(at 37℃)			
	humidity control range	L:-- P:50~90%	L:-- P:50~90%	L:-- P:50~90%	L:-- P:50~90%
	humidity fluctuation	L:-- P:±3%	L:-- P:±3%	L:-- P:±3%	L:-- P:±3%
	humidity accuracy	L:-- P:±3%	L:-- P:±3%	L:-- P:±3%	L:-- P:±3%
Structure	ambient Temp.	+5~35℃			
	rated power	600W	800W	1000W	1350W
	compressor	Air-cooled hermetic compressor			
	refrigerant	R134a			
	Defrosting structure	Automatic			
	humidity control	L:Manual operation:P:Automatic			
	water supply	Automatic			
	testing hole	Inner diameter Φ52mm*1			
Controller	Ultraviolet sterilization	Have			
	controller	Color LCD controller			
	control	L: single-stage timing control P: 30-stage process control			
	setting	L: Touch four buttons, knob manual adjustment P: touch six buttons LCD display			
Specification	sensor	PT100, Humidity sensor (L-type non-humidity sensor)			
	inner (W×D×Hmm)	420×355×550	500×405×750	500×505×1000	700×582×1000
	exterior (W×D×Hmm)	588×670×1210	668×720×1410	668×820×1660	867×820×1825
	packing(W×D×Hmm)	734×794×1328	814×844×1528	814×944×1778	1013×944×1943
	capacity	80L	150L	250L	400L
	shelf load-bearing	15kg			
	voltage	AC220V 50HZ			
	N.W/G.W(kg)	85/110	120/159	130/180	160/220
Optional configuration	Shelf	2pcs(standard)			
		Shelf, RS485 interface, printer, recorder, U disk data storage, mobile APP (remote control)			
		optional frequency conversion refrigeration system			

Description

CHI series incubator is widely used in bacteria, mold, microorganism, anti-biology, tissue cell culture and preservation, plant cultivation, breeding test, biological products, drugs, vaccines, blood and a variety of specimen preservation and test.

Features

Structure:

1. The inner bladder and shelf are made of mirror stainless steel.
2. The air-inlet grille can be opened directly to clean the condenser (please clean the condenser once every two months, so as not to affect the refrigeration performance of the compressor).
3. Casters are provided at the bottom for easy movement.

Intelligence:

1. Big LCD display, clear and intuitive, easy to operate;
2. Have over temperature alarm and independent digital limiter, ensure the temperature accuracy;
3. Multi-stage program setting to meet different experimental requirements;
4. T type is with touching screen operation, can real-time display temperature and humidity curve.

Temperature:

1. High-quality compressor to ensure long running time;
2. Double evaporator switch work to ensure no frost operation;
3. Special duct design ensures temperature uniformity within 1°C; Ensure petri dish not to be blew dry.

Humidity:

1. The humidification system adopts hidden thermal humidification system, has wide humidity control range and it's less likely to occur dew condensation;
2. Honeywell humidity sensor makes humidity detection more accurate.
3. Automatic water feeding ensure the equipment operation quietly and continuously.



Specifications

Model		CHI-80P	CHI-150P	CHI-250P	CHI-400P
		CHI-80T	CHI-150T	CHI-250T	CHI-400T
Performance	temp. range	without humidification: 0~65°C; with humidification: 10~65°C			
	temp fluctuation	±0.5°C			
	temp.Resolution	0.1°C			
	temp. uniformity	±1°C			
	temp accuracy	1°C(at 37°C)			
	humidity range	35%~90%RH			
	humidity fluctuation	±3%			
	humidity accuracy	±3%			
	ambient Temp.	5~35°C			
Structure	rated power	600W	800W	1000W	1200W
	compressor	Air-cooled hermetic compressor			
	refrigerant	R134a			
	defrosting system	Double evaporator operation, no freezing			
	humidity control	Automatic			
	water supply	Automatic			
	testing hole	Inner diameter Φ52mm*1			
	insulation material	Sponge			
Controller	controller	P:large screen Color LCD; T: touch screen			
	control	30 segments program control, T type (real time curve of Temp. and humidity)			
	setting	P:LCD display ; T: touch screen,LCD display			
	sensor	PT100			
	safety	Digital temperature limiter			
Specification	inner (W×D×Hmm)	420×355×550	500×405×750	500×505×1000	590×620×1100
	exterior (W×D×Hmm)	588×670×1210	668×720×1410	668×820×1660	780×795×1800
	packing(W×D×Hmm)	734×794×1328	814×844×1528	814×944×1778	980×990×2020
	capacity	80L	150L	250L	400L
	shelf load-bearing	15kg			
	voltage	AC220V 50HZ			
	N.W/G.W(kg)	85/110	120/159	130/180	140/200
	Shelf	2pcs(standard)			
	Optional configuration	Shelf,RS485 andUSB port (T model standard), printer, recorder, Remote control, wireless SMS alarm			

Description

CGI series of growth chamber is widely used for microbial tissue cell culture, seed germination, seedling test, plant culture and insects, small animals feeding, etc.

Features

Structure:

- 1.The inner chamber and shelf are made of mirror stainless steel, beautiful and practical, convenient for cleaning and disinfection;
- 2.The air-inlet grille can be opened directly to clean the condenser (please clean the condenser once every two months, so as not to affect the refrigeration performance of the compressor).
- 3.Casters are provided at the bottom for easy movement.

Intelligence:

1. Big LCD display, clear and intuitive, easy to operate;
2. Have over temperature alarm, and additional independent digital limiter, ensure the temperature accuracy;
3. Multi-stage program setting to meet different experimental requirements.

Temperature:

1. High-quality compressor to ensure long running time;
2. Double evaporator switch work to ensure no frost operation;
3. Special duct design ensures temperature uniformity within 1°C.

Humidity:

1. The humidification system adopts hidden thermal humidification system, has wide humidity control range and it's less likely to occur dew condensation;
2. Honeywell humidity sensor makes humidity detection more accurate;
3. Automatic water feeding system ensure the equipment operation quietly and continuously.

Illumination:

1. Four sizes lights make illumination more uniform;
2. Fluorescent lamp can offer light closed to sun light, optional LED light can offer much more strong illuminance.



Specifications

Model		CGI-250P	CGI-300P	CGI-400P
Performance	temp. range	0 to 65°C(w/o illumination); 10 to 65°C(w/illumination)		
	temp. fluctuation	1°C		
	temp. resolution	0.1°C		
	temp. uniformity	±1.5°C		±2°C
	humidity range	40% to 90%		
	humidity fluctuation	0.07		
	illumination range	0 to 13000Lux (fluorescent lamp); 0 to 35000Lux(LED lamp)		
	compressor	hermetic compressor		
	refrigerant	R134A		
Structure	defrosting	auto		
	insulation material	PU		
	Controller	LCD screen display, pressing key		
Controller	Program	30 segments		
	Sensor	PT100		
	Timer	0 to 99.9 hours		
	inner(W×D×H mm)	500×530×950	550×580×950	590×620×1100
	exterior(W×D×H mm)	690×705×1650	740×755×1650	780×795×1800
Specification	packing(W×D×H mm)	890×905×1870	940×955×1870	980×990×2020
	capacity	250L	300L	400L
	shelf loading	15kg		
	shelf number	6	6	7
	standard shelf	2	2	2
	N.W/G.W(kg)	76/117	85/126	98/140
	Power	220V/1.6kw	220V/1.7kw	220V/1.8kw
	Optional	Shelf; RS485 port; Printer; USB port; SMS alarm;		



Features

1. Adopt IR sensor, stable and long serve life, can effectively avoid the measurement deviation caused by frequent opening and closing, touching screen display, can show temperature, CO2 concentration and sterilization procedure clearly. Microcomputer control, users can set program, store history, check history data and curve, etc.



2. Six directions heating, can offer excellent temperature uniformity. 140°C sterilization, high-temperature stage only needs two hours, and the total cycle is less than 12 hours, which can be carried out automatically at night.

Specifications

Model		RYX-50/50G	RYX-150/150G	RYX-240/240G
Temp control method		Six-sided heating + breeze circulation + air jacket		
Performance	Temperature range	RT+5°C to 60°C		
	Temperature resolution	0.1°C		
	Temperature fluctuation degree	±0.1°C		
	Temperature distribution accuracy	±0.3°C @37°C		
	CO2 concentration control range	0~20%		
	CO2 concentration fluctuation degree	±0.5%		
Structure	Humidity inside the box	≥90% (37°C)		
	Chamber material	SUS304Cu mirror stainless steel		
	External material	Cold rolled steel plate with chemical resistant surface coating		
	Thermal insulation	Aluminum silicate fiber		
	Heater	Silicone heating patch		
	CO2 introduction port	Φ6mm		
	CO2 filter	DUF Import		
	Partitions	SUS304Cu mirror stainless steel		
	Rated power	350W	950W	1200W
	Temp. control	fuzzy PID control		
Controller	CO2 concentration control method	fuzzy PID control		
	Control Interface	5" LCD touch screen		
	Sensor	PT100		
	CO2 concentration sensor	Imported infrared type sensor		
	Appointment function	The system automatically enters operation when the appointment time is reached		
	Timer function	Optional thermostat timing, start timing		
	Sterilization function	UV sterilization or 90°C moist heat sterilization (50G/150G/240G dry heat sterilization 180°C)		
	Operation mode	Fixed value operation mode, program operation mode		
	Historical Data	View historical data and can U disk export historical data		
	Historical curves	View the history curve		
Safety devices		Temperature alarm, concentration alarm, door control alarm, lock screen, power failure protection		
Specification	Inner (W×D×H)/mm	350×380×380	500×500×600	607×583×680
	Exterior (W×D×H)/mm	627×567×680	777×687×900	884×770×957
	Packing (W×D×H)/mm	751×672×811	937×827×1007	1044×910×1077



Features

- Microcomputer control, 7 inch color LCD touch screen, real-time reading data curve analysis
- Programmable control mode: 50 segments of programming can be achieved.
- Three-level permission password setting, audit tracking function, data PDF format output, can not be changed, conducive to experimental data protection and tracking query.
- Hot start and power failure memory function, power again from the power failure point according to the original set value to continue to run.
- Intelligent low-temperature long-term refrigeration anti-icing technology, to ensure that OC above no defrosting, no icing
- The box is the whole foam, the insulation layer is greater than 5cm, the thermal conductivity is smaller, the temperature retention and stability are strong, and the energy consumption is reduced by 30%.
- German EBM cooling fan, low noise, quiet, durable.
- Fully enclosed imported brand Embrako compressor, low noise, low energy consumption, smooth operation
- Built-in 220V waterproof power supply, BOD and other active test.
- 485 Communication interface for data collection, monitoring, and remote setting.

Specifications

Model		CBI-168T	CBI-260T	CBI-300T	CBI-380T	CBI-450T	CBI-530T	CBI-820T	CBI-1000T	CBI-1260T	CBI-1500T
Performance	Temp. range	0~70°C									
	Temp. resolution	0.1°C									
	Temperature accuracy	±0.5°C									
	Temp. fluctuation	≤±0.5°C									
	Warming time	0°C to 40°C ≤50 minutes									
	Cooling time	40°C to 10°C ≤50 minutes									
Structure	refrigerant	134A									
	Chamber material	304 Mirror stainless steel									
	illumination	Built-in LED lighting									
	Shelf material	Textured stainless steel									
	Thermal insulation	Polyurethane one time foaming integral forming									
	Laminate material	304 Mirror stainless steel									
Controller	controller	7 inch color LCD touch screen, microcontroller program 50 segment control									
	Timing function	1~9999min									
	sensor	PT100									
	Data Storage	USB fast storage, data export, can record 100,000 data (more than 6 months temperature data)									
	Communication function	485 port for remote device monitoring									
	Shelf	3PCS, Height freely adjusted									
Shelf Load capacity		30kgs									
Specification	Rated power	800W	800W	800W	800W	1000W	1000W	1300W	1300W	1500W	1900W
	Operating power	500W	550W	600W	600W	800W	800W	1100W	1100W	1300W	1500W
	Capacity	168L	260L	300L	380L	450L	530L	820L	1000L	1260L	1500L
	Inner size(W×D×Hcm)	50×54.5×61.5	51×48×105	50×45.5×130	50×57.5×130	60×57.5×130	60×68.5×130	110×57.5×130	110×69×130	170×57×130	135×80×140
	External size(W×D×Hcm)	60×76×125	60×70×159	60×70×194	60×80×194	72×82×194	70×90×194	121×82×194	121×92×194	180×72×194	150×100×194
	Packing size(W×D×Hcm)	70×90×126	70×79.5×170	70×79×209	80×89×207	80×97×207	83×100.5×205	130×89×210	130×100×208	190×840×218	161×106×212
	N.W./G.W(KG)	65/85	80/100	90/110	105/120	110/130	115/135	170/190	180/200	210/240	240/275
	Power:	220V/50HZ									
Optional accessories		Can be embedded printer, add layer, electronic door lock and door opening magnetic card									



Features

1. Microcomputer control, 7 inch color LCD touch screen, real-time reading data curve analysis.
2. Programmable control mode: 50 segments of programming can be achieved.
3. Three-level permission password setting, audit tracking function, data PDF format output, can not be changed, conducive to experimental data protection and tracking query.
4. Intelligent low-temperature long-term refrigeration anti-icing technology, to ensure that no defrosting above 0℃, no icing.
5. Fully enclosed imported brand Embrako compressor, low noise, low energy consumption, smooth operation.
6. Supercharging ultrasonic humidification, temperature and humidity correlation control system to achieve temperature control.
7. The interface uses various ICONS to display the running status and various fault causes.
8. The shell adopts brushed 304 stainless steel anti-fingerprint processing.
9. Fast storage USB port, fast export and backup of data.
10. 485 Communication interface for data collection, monitoring, and remote setting

Specifications

Model		CMI-168T	CMI-260T	CMI-300T	CMI-380T	CMI-450T	CMI-530T	CMI-820T	CMI-1000T	CMI-1260T	CMI-1500T
Performance	Temp. range	0-70℃									
	Temp. resolution	0.1℃									
	Temperature accuracy	±0.5℃									
	Temp. fluctuation	≤±0.5℃									
	Humidness range	40-95%									
	Humidity accuracy	±5%R.H									
	Warming time	0℃ to 40℃≤50 minutes									
	Cooling time	40℃ to 10℃≤50 minutes									
Structure	Refrigerant	134A									
	Chamber material	304 Mirror stainless steel/Uv lamp sterilization (265nm)/ LED lighting in the box									
	Shell material	Textured stainless steel									
	Thermal insulation	Polyurethane one time foaming integral forming									
	Laminate material	304 Mirror stainless steel									
	Humidification method	Supercharging ultrasonic atomization humidification									
Controller	Controller	7 inch color LCD touch screen, microcontroller program 50 segment control									
	Timing function	1~9999min									
	Sensor	PT100									
	Humidity sensor	Imported chips, electronic sensors									
	Data Storage	USB fast storage, data export, can record 100,000 data (more than 6 months temperature data)									
Communication function		485 port for remote device monitoring									
Shelf		3pcs, height freely adjusted									
Shelf Load capacity		30kg									
Specification	Rated power	800W	800W	800W	800W	1000W	1000W	1300W	1300W	1500W	1900W
	Operating power	500W	550W	600W	600W	800W	800W	1000W	1000W	1300W	1500W
	Capacity	168L	260L	300L	380L	450L	530L	820L	1000L	1260L	1500L
	Inner size(W×D×Hcm)	50×54.5×61.5	51×48×105	50×45.5×130	50×57.5×130	60×57.5×130	60×68.5×130	110×57.5×130	110×69×130	170×57×130	135×80×140
	External size(W×D×Hcm)	60×76×125	60×70×159	60×70×194	60×80×194	72×82×194	70×90×194	121×82×194	121×92×194	180×72×194	150×100×194
	Packing size(W×D×Hcm)	70×90×126	70×79×170	70×79×209	80×89×207	80×97×207	83×100×205	130×89×210	130×100×208	190×84×218	161×106×212
	N.W/G.W(KG)	65/85	80/100	90/110	105/120	110/130	115/135	170/190	180/200	210/240	240/275
	Power	220V/50HZ									
Optional accessories		Can be embedded printer, add layer, electronic door lock and door opening magnetic card									



Features

1. Microcomputer control, 7 inch color LCD touch screen, real-time reading data curve analysis.
2. Programmable control mode: 50 segments of programming can be achieved.
3. Three-level permission password setting, audit tracking function, data PDF format output, unchangeable, benefit experiment data protection and tracking query.
4. Self-made supercharging ultrasonic humidification method, temperature and humidity correlation control system to achieve temperature control.
5. Intelligent low-temperature long-term refrigeration anti-icing technology, to ensure that no defrosting above 0℃, no icing.
6. The box is the whole foam, the insulation layer is greater than 5cm, the thermal conductivity is smaller, the temperature retention and stability are strong, and the energy consumption is reduced by 30%.
7. German EBM cooling fan, low noise, quiet, durable.
8. The shell is made of 304 stainless steel anti-fingerprint processing to keep the appearance of the product clean, beautiful and fashionable
9. Fast storage USB port, fast export and backup of data.
10. 485 Communication interface for data collection, monitoring, and remote setting.

Specifications

Model		CHI-168T	CHI-260T	CHI-300T	CHI-380T	CHI-450T	CHI-530T	CHI-820T	CHI-1000T	CHI-1260T	CHI-1500T
Performance	Temp. range	0-70℃/									
	Temp. accuracy	±0.5℃									
	Temp. fluctuation	≤±0.5℃									
	Humidity range	40-95%									
	Humidity accuracy	±5%R.H									
	Warming time	0℃ to 40℃≤50 minutes									
	Cooling time	40℃ to 10℃≤50 minutes									
	Refrigerant	134A									
Structure	Chamber material	304 Mirror stainless steel/ LED lighting in the box									
	Shell material	Textured stainless steel									
	Thermal insulation	Polyurethane one time foaming integral forming									
	Laminate material	304 Mirror stainless steel									
	Humidification method	Supercharging ultrasonic atomization humidification									
	Controller	7 inch color LCD touch screen, microcontroller program 50 segment control									
Controller	Timing function	1~9999min									
	Sensor	PT100									
	Humidity sensor	Imported chips, electronic sensors									
	Data Storage	USB fast storage, data export, can record 100,000 data (more than 6 months temperature data)									
	Communication function	485 port for remote device monitoring									
Shelf		3pcs, height freely adjusted									
Shelf Load capacity		30kgs									
Specification	Rated power	800W	800W	800W	800W	1000W	1000W	1300W	1300W	1500W	1900W
	Operating power	500W	550W	600W	600W	800W	800W	1000W	1000W	1300W	1500W
	Capacity	168L	260L	300L	380L	450L	530L	820L	1000L	1260L	1500L
	Inner size(W×D×Hcm)	50×54.5×61.5	51×48×105	50×45.5×130	50×57.5×130	60×57.5×130	60×68.5×130	110×57.5×130	110×69×130	170×57×130	135×80×140
	External size(W×D×Hcm)	60×76×125	60×70×159	60×70×194	60×80×194	72×82×194	70×90×194	121×82×194	121×92×194	180×72×194	150×100×194
	Packing size(W×D×Hcm)	70×90×126	70×79×170	70×79×209	80×89×207	80×97×207	83×100×205	130×89×210	130×100×208	190×84×218	161×106×212
	N.W/G.W(KG)	65/85	80/100	90/110	105/120	110/130	115/135	170/190	180/200	210/240	240/275
	Power	220V/50HZ									
Optional accessories		Can be embedded printer, add layer, electronic door lock and door opening magnetic card									



Features

The product is suitable for plant growth and tissue culture under low oxygen conditions (seed germination, seedling cultivation, and microbial culture experiments); The breeding of insects and small animals; BOD determination for water quality monitoring; Special testing equipment for aging and service life testing of medicinal materials, wood, and building materials, as well as for lighting, constant temperature, and CO₂ testing for other purposes. Suitable for research in life sciences, cellular microbiology, molecular genetic inheritance, etc; It is an ideal auxiliary equipment commonly used in scientific research and production in various fields such as biotechnology, medicine, agriculture, aquaculture, and animal husbandry, providing precise experimental conditions for constant temperature, CO₂, and simulated lighting.

Specifications

Model	A(0-10000Lux)	CGI-260A	CGI-300A	CGI-380A	CGI-450A	CGI-500A	CGI-530A	CGI-820A	CGI-1000A	CGI-1260A	CGI-1500A
	B(0-20000Lux)	CGI-260B	CGI-300B	CGI-380B	CGI-450B	CGI-500B	CGI-530B	CGI-820B	CGI-1000B	CGI-1260B	CGI-1500B
	C(0-30000Lux)	CGI-260C	CGI-300C	CGI-380C	CGI-450C	CGI-500C	CGI-530C	CGI-820C	CGI-1000C	CGI-1260C	CGI-1500C
	D(0-65000LX)	CGI-260D	CGI-300D	CGI-380D	CGI-450D	CGI-500D	CGI-530D	CGI-820D	CGI-1000D	CGI-1260D	CGI-1500D
Performance	Temp. range	0~70°C(W/O illumination);10~70°C(W/ illumination)									
	Temp. resolution	0.1°C									
	Temp. fluctuation	≤±0.5°C (Temp from 20°C~30°C)									
	Humidity range	40~95%RH									
	Humidity resolution	1%RH(relative humidity)									
	Humidity uniformity	± 5% R.H									
	Humidity fluctuation	± 5% R.H									
	CO ₂ control range	Atmosphere - 2000 (5000) ppm									
	CO ₂ control accuracy	± 50ppm									
	Illumination method	Top mounted LED light source									
Structure	Light source color	Red, yellow, and white tricolor light(Four color light as Optional,Adjustable spectral ratio)									
	Refrigerant	R134A									
	Chamber material	304 Mirror stainless steel									
	Shell material	Stainless steel									
Controller	Number of lighting layers	3 layers,Full spectrum LED illumination board,Stepless dimming, 3-layer independent lighting control									
	Programmable control	30 sections of programs									
	Display	7-inch color LCD touch screen									
	timer	0~9999min(with timing function)									
	temperature sensor	PT100									
Shelf	Data Storage	Equipped with USB , directly store data and transfer it to a portable drive, while can store 100000 pieces of data:RS485 Interface									
		3pcs, height freely adjusted									
Shelf Load capacity		30kgs									
Specification	Capacity	260L	300L	380L	450L	500L	530L	820L	1000L	1260L	1500L
	Inner size(W×D×Hcm)	51×48×105	50×45.5×130	50×57.5×130	60×57.5×130	60×63×130	60×68.5×130	110×57.5×130	110×69×130	170×57×130	135×80×140
	External size(W×D×Hcm)	60×70×159	60×70×194	60×80×194	72×82×194	70×82×194	70×90×194	121×82×194	121×92×194	180×72×194	150×100×194
	Packing size(W×D×Hcm)	70×79×170	70×79×209	80×89×207	80×97×207	83×105×205	83×100×205	130×89×210	130×100×208	190×84×218	161×106×212
	N.W/G.W(KG)	80/100	90/100	105/120	110/130	112/133	115/135	170/190	180/200	210/240	240/275
	Power:	220V/50HZ									
	Optional accessories	Shelf,Printer,Remote control of mobile App									

Description

SX series resistance furnace is the most economical instrument for heating under 1200 °C. It is widely used for small metal parts heat treatment, drug sample processing, oil and coal quality analysis, sample ashing, etc.



Features

- 1.Adopt vacuum forming technology, one-step molding inner chamber, prevent heating devices from polluted by volatile matter;
- 2.Using high quality wire coil as heater, special anti-corrosion treatment for the wire surface;
- 3.Upward door open design, the hot air will go upside behind the door when it opening, this can offer better protection for users;
- 4.Over temperature alarm;
- 5.Double layer casing design, make the furnace has better insulation performance and the surface temperature lower.

Specifications

Model		SX-2-10D	SX-7-10D	SX-16-10D	SX-30-10D	SX-2-12D	SX-7-12D	SX-16-12D
Heating mode		three-side heating wire						
Performance	temp. range	300~1000℃				300~1200℃		
	temp. resolution	1℃						
	temp. fluctuation	±5℃						
	heating up time	60min	70min			75min	80min	
Structure	vent	φ22mm*1,back(optional)						
	chamber material	aluminum silicate						
	heating device	nickel-chromium alloy wire						
	rated power	2.5kw	4kw	8kw	12kw	2.5kw	5kw	10kw
	shell material	spraying cold rolled steel						
Controller	temp. control	use microcomputer PID control of heating						
	program mode	40 sections programable control runs(optional)						
	timer	0~9999min						
	sensor	K						
Safety device		over-temperature alarm						
Specification (W×D×Hmm)	working size	120×200×80	200×300×120	250×400×160	300×500×200	120×200×80	200×300×120	250×400×160
	exterior size	587×661×441	666×759×530	734×862×602	801×979×637	587×661×441	666×759×530	734×862×602
	packing size	880×580×603	980×670×685	1090×750×755	1190×820×792	880×580×603	980×670×685	1090×750×755
	working capacity	2L	7L	16L	30L	2L	7L	16L
	Power	AC220V/11A	AC220V/18A	AC380V/12A	AC380V/18A	AC220V/11A	AC220V/23A	AC380V/12A
	NW/GW	67/80kg	134/150kg	203/230kg	271/305kg	67/80kg	134/150kg	203/230kg
Standard Configuration		observation window/vent, chimney, chimney block						
Optional device		gate turn-off switch						

Description

MFL series muffle furnace, with features of heating fast, light weight, large capacity, energy saving and safety. Using ceramic fiber inner checmber, has good insulation effect and high temperature control precision. It is widely used in the pharmaceutical industry, analytical chemistry industry, coal quality analysis, building materials industry, etc.



Features

- 1.New designed parallel door keeps the user from the hot side;
- 2.Adopt alloy wire coil as heating element, three sides heating make inner chamber temperature more uniform.
- 3.The heating wire is hidden behind the chamber, this can improve its corrosion protection;
- 4.Use high quality aluminium silicate board as inner chamber, and aluminosilicate fiber as thermal insulation material, make temperature rising fast, low dissipation, product weight lighter;
- 5.Micro computer PID control, with timer and over temperature alarm;

Specification

Model		MFL-2-12D	MFL-7-12D	MFL-10-12D	MFL-16-12D	MFL-25-12D	MFL-30-12D
Heating mode		three-side heating wire					
Performance	temp. range	300~1200℃					
	temp. resolution	1℃					
	temp. fluctuation	±1℃					
	heating up time	30minutes					
Structure	chamber material	ceramic fiber					
	heating device	nickel-chromium alloy wire					
	shell material	spraying cold rolled steel					
Controller	temp. control	use microcomputer PID control of heating					
	program mode	30 sections programable control runs (optional)					
	timer	No (optional program controller: 0~9999minutes)					
	sensor	K					
Safety device		over-temperature alarm					
Specification (W×D×H)/mm	working size	120×200×80	200×300×120	200×300×170	250×400×160	250×400×250	300×500×200
	exterior size	400×400×450	480×500×490	480×500×540	530×600×530	530×600×630	580×700×570
	packing size	450×450×550	530×550×600	530×550×650	580×650×630	580×650×730	630×750×670
	working capacity	2L	7L	10L	16L	25L	30L
	power	AC220V/2.5kw	AC220V/3.5kw	AC220V/4kw	AC380V/6kw	AC380V/8.5A	AC380V/10kw
	NW/GW	35kg/40kg	55kg/60kg	60kg/65kg	75kg/81kg	85kg/92kg	95kg/105kg
	Optional device	observation window/vent; chimney; gate turn-off switch					

Features

- 1.The shell adopts embossed stainless steel integrated design, lightweight and compact structure. Vacuum forming polycrystalline mullite fiber furnace high efficiency insulation, special alloy heating wire three sides heating, uniform temperature
2. Parallel side open furnace door, so that the hot end away from the operation
3. Open the door and power off, restore the power delay to ensure safety
4. Double shell air insulation, low surface temperature
5. Exhaust device, conducive to ash
6. Microcomputer temperature controller combined with K-type thermocouple, accurate temperature control.
7. Special function key to achieve temperature setting
8. Auxiliary menu, to achieve overrise alarm, deviation correction, menu lock, overrise prevention device

Specifications

Model		MFLC-2/12D	MFLC-7/12D	MFLC-16/12D	MFLC-24/12D	MFLC-36/12D
		MFLC-2/12P	MFLC-7/12P	MFLC-16/12P	MFLC-24/12P	MFLC-36/12P
		MFLC-2/12T	MFLC-7/12T	MFLC-16/12T	MFLC-24/12T	MFLC-36/12T
Performance	temp. range	300~1200℃				
	temp. resolution	1℃				
	temp. fluctuation	±1℃				
	heating up time	≤30minutes				
Structure	exterior	Stainless steel				
	Furnace material	Polycrystalline mullite fibers				
	Vent hole	Outer diameter Φ22, inner diameter Φ18				
	Heating power	1.5KW	3KW	6KW	6.6KW	10KW
	heater	Nichrome aluminum OCr27AlMo2, heated on three sides				
Controller	temp. control	Type D: single stage temperature control digital display Type P: imported program temperature control digital display T-type: 7-inch color touch screen programmed temperature control				
	Control mode	Microcomputer PID control				
	Setting mode	D/P type: Touch five keys, digital display setting T type: Finger touch light point setting				
	display method	D/P type: dual line LED digital display T-type: Color LCD display				
	timer	Type D: None Type P/T: 0-999.9 hours				
	Running function	Type D: fixed value operation Type P/T: fixed value operation, program operation				
	Program mode	Type D: single segment run Type P: program run 4 curves, 40 steps, T-shaped: program runs for 50 steps				
	sensor	Type K thermocouple				
	Accessory function	D/P type: calibration function, gating function T-type: Correction function real-time curve recording U disk data export				
	Safety device		Overcurrent leakage protection switch			
Specification (W×D×H)/mm	working size	120×200×80	200×300×120	250×400×160	300×400×200	300×400×300
	exterior size	480×617×683	560×709×723	630×808×783	650×813×818	650×818×918
	packing size	640×770×810	720×870×850	790×970×910	810×960×945	810×960×1045
	working capacity	2L	7L	16L	24L	36L
	power	AC220V/7A	AC220V/13.6A	AC220V/27.3A	AC380V/10A	AC380V/15.2A
	NW/GW	40kg/45kg	60kg/65kg	80kg/86kg	90kg/98kg	100kg/110kg



Features

1. The shell adopts embossed stainless steel integrated design, lightweight and compact structure. Vacuum forming polycrystalline mullite fiber furnace high efficiency insulation, special alloy heating wire three sides heating, uniform temperature
2. Parallel side open furnace door, so that the hot end away from the operation
3. Open the door and power off, restore the power delay to ensure safety
4. Double shell air insulation, low surface temperature
5. Exhaust device, conducive to ash
6. Microcomputer temperature controller combined with K-type thermocouple, accurate temperature control.
7. Special function key to achieve temperature setting
8. Auxiliary menu, to achieve overrise alarm, deviation correction, menu lock, overrise prevention device

Specifications

Model		MFLC-3/14D	MFLC-8/14D	MFLC-12/14D	MFLC-18/14D	MFLC-27/14D	MFLC-36/14D
		MFLC-3/14P	MFLC-8/14P	MFLC-12/14P	MFLC-18/14P	MFLC-27/14P	MFLC-36/14P
		MFLC-3/14T	MFLC-8/14T	MFLC-12/14T	MFLC-18/14T	MFLC-27/14T	MFLC-36/14T
Performance	temp. range	Max temperature 1400°C					
	temp. resolution	1°C					
	temp. fluctuation	±1°C					
	heating up time	≤35minutes					
Structure	exterior	Stainless steel					
	Furnace material	Polycrystalline mullite fibers					
	Vent hole	Outer diameter Φ22, inner diameter Φ18					
	Heating power	3KW	4KW	6KW	8KW	12KW	14KW
	heater	Nichrome aluminum OCR27ALMo2, heated on three sides					
Controller	temp. control	Type D: single stage temperature control digital display Type P: imported program temperature control digital display T-type: 7-inch color touch screen programmed temperature control					
	Control mode	Microcomputer PID control					
	Setting mode	D/P type: Touch five keys, digital display setting T type: Finger touch light point setting					
	display method	D/P type: dual line LED digital display T-type: Color LCD display					
	timer	Type D: None Type P/T: 0~999.9 hours					
	Running function	Type D: fixed value operation Type P/T: fixed value operation, program operation					
	Program mode	Type D: single segment run Type P: program run 4 curves, 40 steps, T-shaped: program runs for 50 steps					
	sensor	Type K thermocouple					
	Accessory function	D/P type: calibration function, gating function T-type: Correction function real-time curve recording U disk data export					
Safety device		Overcurrent leakage protection switch					
Specification (W×D×H)/mm	working size	150×200×100	180×250×180	200×300×200	250×300×250	300×300×300	300×400×300
	exterior size	520×660×813	550×698×893	570×749×911	620×749×963	670×760×1031	670×849×1033
	packing size	680×785×1040	710×835×1120	730×885×1140	780×885×1190	830×885×1260	830×985×1260
	working capacity	3L	8L	12L	18L	27L	36L
	power	AC220V/13.6A	AC220V/18.2A	AC380V/9.1A	AC380V/12.2A	AC380V/18.2A	AC380V/21.3A
	NW/GW	40kg/50kg	60kg/70kg	70kg/85kg	80kg/95kg	90kg/105kg	100kg/115kg



Features

1. Integrated design, light and compact structure
2. Vacuum forming polycrystalline mullite fiber furnace efficient heat preservation.
3. Parallel side open furnace door, so that the hot end away from the operation.
4. Open the door and power off, restore the power delay to ensure safety.
5. Double shell air heat insulation, axial fan forced cooling speed, low surface temperature.
6. Exhaust device, conducive to ash.
7. Microcomputer temperature control instrument combined with B type thermocouple, accurate temperature control.
8. Special function key to achieve temperature setting.
9. Auxiliary menu, to achieve overrise alarm, deviation correction, menu lock, overrise prevention device.

Specification

Model		MFLC-2/17D	MFLC-4/17D	MFLC-8/17D	MFLC-12/17D	MFLC-16/17D	MFLC-20/17D
		MFLC-2/17P	MFLC-4/17P	MFLC-8/17P	MFLC-12/17P	MFLC-16/17P	MFLC-20/17P
		MFLC-2/17T	MFLC-4/17T	MFLC-8/17T	MFLC-12/17T	MFLC-16/17T	MFLC-20/17T
Performance	temp. range	300~1700°C					
	temp. resolution	1°C					
	temp. fluctuation	±1°C					
	heating up time	≤40minutes					
Structure	exterior	Stainless steel					
	Furnace material	Polycrystalline mullite fibers					
	Vent hole	Outer diameter Φ22, inner diameter Φ18					
	Heating power	3KW	6KW	9KW	12KW	15KW	18KW
	heater	Silicon-molybdenum rod					
Controller	temp. control	Type D: single stage temperature control digital display Type P: imported program temperature control digital display T-type: 7-inch color touch screen programmed temperature control					
	Control mode	Microcomputer PID control					
	Setting mode	D/P type: Touch Four keys, digital display setting T type: Finger touch light point setting					
	display method	D/P type: dual line LED digital display T-type: Color LCD display					
	timer	Type D: None Type P: 0~999.9 hours					
	Running function	Type D: fixed value operation Type P/T: fixed value operation, program operation					
	Program mode	Type D: single segment run Type P: program run 4 curves, 40 steps Type T: The program runs 50 steps					
	sensor	Type B thermocouple					
	Accessory function	D/P type: calibration function, gating function T-type: Calibration function Gating function real-time curve recording U disk					
Safety device		Overcurrent leakage protection switch					
Specification (W×D×H)/mm	working size	90×150×150	150×150×150	150×300×150	200×300×200	260×300×210	260×300×260
	exterior size	600×869×1102	600×877×1102	600×875×1102	680×858×1182	740×879×1182	740×920×1232
	packing size	760×985×1310	760×985×1310	760×985×1310	840×985×1390	900×985×1390	900×1025×1440
	working capacity	2L	4L	8L	12L	16L	20L
	power	AC220V/50HZ			AC380V/50HZ		
	NW/GW	70kg/90kg	80kg/100kg	110kg/130kg	150kg/170kg	175kg/195kg	210kg/230kg



Features

- 1. The furnace material is imported lightweight high-purity alumina ceramic material with high hardness, no powder drop at high temperature, no volatilization at high temperature sintering, environmental protection and safety
- 2. The heating body adopts high-quality resistance wire, which is stable and has long service life. The resistance wire is evenly arranged around the furnace, and the temperature field is uniform.
- 3. Fast heating speed, uniform temperature, with temperature compensation and temperature correction function, safe and efficient.
- 4. Using intelligent PID temperature control meter, temperature curve can be set and 30 program segments can be programmed.
- 5. Integrated structure, excellent appearance design, beautiful and generous.
- 6. The machine will send an alarm signal to the overtemperature in the working process, and automatically complete the protection action.
- 7. When the instrument program is set up, just press the run button, and the following work will be completed automatically.
- 8. Large screen paperless recorder or RS232 communication interface can be selected to achieve real-time recording of temperature rise curve.

Specifications

Model	MFQ3-3-12P	MFQ3-8-12P	MFQ3-12-12P	MFQ3-18-12P	MFQ3-36-12P	MFQ3-54-12P	MFQ3-75-12P	MFQ3-80-12P	MFQ3-125-12P	MFQ3-180-12P	MFQ3-250-12P
Performance	Temp. range										
	Maximum temperature 1200℃, working temperature 1150℃										
	temperature stability										
	±1℃										
	temperature resolution										
Structure	Rate of warming										
	1-20℃/min free setting										
	Vacuum degree										
	When equipped with rotary vane vacuum pump, vacuum degree <20000pa										
	exterior										
Safety device	Cold-rolled steel plate										
	Furnace material										
	Polycrystalline inorganic ceramic fiber materials										
	heater										
	Cr20Ni80 resistance wire, distributed on the left, right and bottom of the furnace three sides heating (MFQ3-HRE superalloy resistance wire, five sides heating)										
Specification	sensor										
	K-type thermocouple										
	Atmosphere mode										
	Optional flow flowmeter (0.5-60L/min) control air intake										
	Control mode										
Addable configuration	Microcomputer PID control										
	Setting mode										
	Touch the key action										
	display method										
	Double row LED digital display										
Specification	Running function										
	Automatic heating, automatic heat preservation, automatic stop, programmable 30 periods, can meet the continuous constant temperature and temperature control requirements										
	Safety device										
	Overtemperature alarm										
	Heating power										
Addable configuration	2.5KW										
	3KW										
	4KW										
	5KW										
	7.5KW										
Specification	working size										
	150*150*150										
	200*300*120										
	200*300*200										
	250*300*250										
Addable configuration	300*500*200										
	300*600*300										
	400*400*400										
	430*550*350										
	400*500*400										
Specification	500*500*500										
	600*600*500										
	500*850*600										
	power										
	AC220V										
Addable configuration	AC380V										
	Vacuum pump, digital vacuum gauge, flow flowmeter										



Features

- 1. The gas path connection adopts the fast connection flange structure, fast and convenient loading and unloading, and only one clamp can be completed
- 2. The furnace is divided into two parts, the upper part of the furnace can be turned 100℃, easy to take and observe the material
- 3. The furnace is made of polycrystalline mullet fiber vacuum adsorption, and the temperature field can save more than 50%
- 4. The self-developed air diversion heat insulation technology ensures the service life and constant temperature effect of each component in the box

Specification

Temperature Zone		Single temp.Zone				Double temp.Zone			
Model		TF12D50	TF12D60	TF12D80	TF12D100	TF12D50S	TF12D60S	TF12D80S	TF12D100S
Performance	Temp.Range	Maximum temperature 1200℃							
	Temp.Resolution	1℃							
	Temp.Uniformity	±1℃							
	Heating Rate	0~20℃/min							
	Heating Zone	420mm							
Structure	Thermostatic Zone	Single-zone: 210mm; Double-zone: 280mm							
	Max.Vacuum	-0.1MPa							
	Shell	Cold-rolled steel plate with drug-resistant coating							
	Chamber	Polycrystalline mullite fibers							
	Chamber Size	External: φ240*500mm; Inside: φ120*420mm							
Controller	Furnace Tube	Quartz tube							
	Furnace Tube Size	φ50*1000	φ60*1000	φ80*1000	φ100*1000	φ50*1000	φ60*1000	φ80*1000	φ100*1000
	Heating Device	OCr27Al7Mo2							
	Heating Power	Single-zone: 3KW; Double-zone: 3.2KW							
	Thermal Insulation	Double forced air diversion							
Specification	Controller	Double row LED digital display							
	Sensor	K-type thermocouple							
	Accessory function	Correction function							
	Safety Device	Over current leakage protection switch							
	Overall Size	1372*410*595mm							
Addable configuration	Packing Size	1120*580*945mm							
	Weight	80kg/85kg							
	Power Supply	AC220V 50Hz							
	Standard Configuration	Pneumatic assembly(incide vacuum meter)*1 Heat resistant gloves*1 Quartz tube*1 Quartz tube block*2 Hook*1 Quartzboat*1							

Features

- 1.Ultra-silence design keeps it working quiet.
- 2.Brushless motor cuts down the noise, lengthen the service life, and stabilize the torque output without maintenance.
- 3.Integrated LCD controller, high accuracy sensor, and precise temperature control.
- 4.Over-temperature alarm prevents experiment temperature from exceeding setting.
- 5.Convenient PID control makes it run with data set and time set, automatic changes of rotation direction, automatic shutdown,automatic data backups for power outage, quick start and stop, and motor shaft lock protection.
- 6.Auxiliary menu control over-temperature alert and deviation calibration.



Specifications

Model		BIS-L30
Function	Operating Temp Range	RT~100℃
	Tem. Resolution Ratio	0.1℃
	Tem. Motion	±0.1℃
	Tem. Uniformity	±0.2℃
	Reciprocal Oscillation Amplitude	16 or 24mm (Ex-factory is 16mm)
	Reciprocating Frequency Range	20~180 (r/min)
	Reciprocating Frequency Accuracy	±1rpm
Structure	Water Tank	Mirror stainless steel
	Outer Shell	Cold rolling steel electrostatic spraying exterior
	Upper Cover	Mirror stainless steel
	Insulating Layer	Polyurethane
	Heater	Stainless Steel Heater
	Driving Mode	Crankshaft+ double link + four wheels
	Shelf	Mirror stainless steel
Controller	Power rating	1.5kW
	Tem. Control Mode	LCD PID Intelligent control
	Reciprocating Control Mode	
	Setting Mode	Touch button setting
	Temp.and speed Display Mode	LCD Display
	Timer	0~9999 min
	Operation Function	Fixed value operation, timing function, auto stop, quickly stop start
	Temperature Sensor	Pt100
	Speed Sensor	Hoare
	Additional Function	Deviation correction, menu keys locked, power-off memory
Safety device		over temperature alarm, menu locked, water full or shortage protection, Motor shaft lock protection
Specification	Water Tank Size (W×L×H)(mm)	500×310×200
	Exterior Size (W×L×H)(mm)	828×360×425
	Packing Size (W×L×H)(mm)	908×440×505
	Spring Shock Basket Size (mm)	395×250
	Shock Basket Largest Single Size (ml/pcs)	100ml×12/250×8/500×6
	Inside Volume	31L
	Shock Basket Bearing	5kg/layer
	Current Rating (50Hz)	AC220V/6.8A
	NW/GW (kg)	20/30
Accessories		Water bath flask seat, tube rack

Features

- 1. Culture equipment with the function of oscillator incubator
- 2. Quiet design, quiet operation, breeze circulation system, does not interfere with cell culture
- 3. Door control system: open the door to stop heating to prevent overshooting, swing to stop to ensure safe operation, close the door buffer to resume operation
- 4. Brushless motor, quiet, maintenance-free, long life, stable torque output
- 5. Integrated LED LCD controller +PT-100 sensor to control temperature and speed accurately
- 6. Over-life alarm UV germicidal lamp disinfects the circulating air to ensure a clean experimental environment
- 7.PID control convenient operation, customized operation, timed operation, automatic stop, power failure memory, quick stop and start
- 8. Auxiliary menu, override alarm, deviation correction, menu lock



Specifications

Model		DIS-2515		DIS-2515R	
Shaking Mode		Cyclotron Oscillation			
Function	Amplitude	Φ26mm			
	Temp. Resolution	0.1℃			
	Temp. Motion	±0.5℃			
	Temp. Uniformity	±1℃			
	Temp. Range	RT+5 ~ 65℃		4 ~ 65℃	
	Rotary Speed	30 ~ 300rpm			
	Rotary Speed Precision	±1rpm			
Structure	Outer Shell	iron			
	Observation Window Material	Imported resin			
	Thermal Insulation Material	Polyurethane			
	Cooling System	No		Yes	
	Heater	Stainless steel heating tube			
	Drive Mode	Three-axis level			
	Oscillating Plate	Mirror stainless steel			
	Air Circulation Mode	Horizontal convection			
	Power Rating	0.79kW		0.84kW	
Controller	Temp. Control Mode	LCD PID intelligent control			
	Cyclotron Control Mode	Program setting, automatically change the direction of rotation			
	Setting Mode	Tap the 8 button to set			
	Temp. Display Mode	Liquid crystal display			
	Speed Display Mode				
	Timer	0 ~ 9999min			
	Operation Function	Fixed value operation、timing function、bidirectional automatic switchover、auto stop、quick stop			
	Temperature Sensor	Pt100			
	Speed Sensor	Hoare			
	Gating System	Yes			
Additional Function	Deviation correction, menu keys locked, power-off memory				
Safety Device		over temperature alarm, menu locked, gating system ,power-off protection , plugging turn protection			
Specification	Inner Chamber Size (W×L×H)(mm)	500×330×257			
	Exterior Size (W×L×H)(mm)	584×507×498		584×667×498	
	Packing Size (W×L×H)(mm)	720×643×680		720×803×680	
	Shelf Size (mm)	450×280			
	Max capacity of Shelf for single	250×15/500×8/1000×6			
	Number of flask clamp as standard	250×15			
	Shelf Load Bearing	≤15kg/layer		≤15kg/layer	
	Shelf Layer	1			
	Power Supply (50/60Hz) Current	AC220V/3.5A		AC220V/3.8A	
NW/GW (kg)		38/48		52/63	

Features

- 1. The studio adopts mirror 304 stainless steel plate, the inner Angle is R arc, easy to clean, the inner liner can be directly washed with water, and the bactericidal effect is good.
- 2. Anti-fog visual observation window to prevent low temperature operation and high temperature atomization, dripping phenomenon.
- 3. Two safe door opening methods, emergency door stop and slow door stop, according to the need of a key switch
- 4. Standard lighting and UV germicidal lamps for easy observation and sterilization
- 5. With timing function, the time setting range is 0-9999 minutes (hours)



Specifications

Model		LY-2550A	LY-2550B
Shaking Mode		Full temperature three axis eccentric cyclotron oscillation	
Function	Amplitude	Φ26mm(Optional 50mm)	
	Temp. Resolution	0.1℃	
	Temp. Motion	±0.5℃	
	Temp. Uniformity	±1℃	
	Temp. Range	4 ~ 60℃	
	Rotary Speed	50 ~ 300rpm(optional 5~400)	
	Rotary Speed Precision	±1rpm	
Structure	Outer Shell	Cold-rolled steel plate with drug-resistant coating	
	built-in	Mirror stainless steel	
	Heat cutting material	polyurethane	
	Heater	Stainless steel heating tube	
	Rocker plate	Stainless steel	
	Power Rating	814W	
Controller	Temp. Control Mode	LCD PID intelligent control	
	Cyclotron Control Mode		
	Setting Mode	Color touch screen Settings	
	Running function	Program run	
	Temperature Sensor	Pt100	
	Speed Sensor	Hoare	
	Additional Function	Gating system, deviation correction, screen saver, blackout memory, history curve	
Safety Device		over temperature alarm, menu locked, gating system ,power-off protection , plugging turn protection	
specification	Exterior Size (W*L*H)(mm)	651*912*854	651*912*1648
	Packing Size (W*L*H)(mm)	787*1010*1057 (monolayer)	787*1010*1057 (monolayer*2)
	Shelf Size (mm)	460*460	
	Max capacity of Shelf for single	250ml*50/500ml*32/1000ml*18	250ml*100/500ml*64/1000ml*36
	Number of flask clamp as standard	250*25	
	Shelf Layer	2	
	Power Supply (50/60Hz) Current Rating	AC220V/3.7A	
	NW/GW (kg)	105/120 (double-deck)	
	CO2 sensor	Imported brand sensor	
	CO2 control range	0-20	
	control accuracy	0.2(Concentration 5%)	
	Display accuracy (%)	0.1	
	illuminant	LED lights, Red: 50%, Blue: 50% (customizable spectrum)	
	Illumination wavelength	White light: 450-465nm, red light: 615-650nm, blue light: 450-480nm	
	Light intensity - day lights/grow lights	10000LUX(distance 10cm)/ Red light :6500LUX, Blue light :6500LUX(distance 10cm)	
	Temperature range (%RH)	35-90%	
	Temperature accuracy	±3%	
	Temperature fluctuation (%RH)	±3%	

Features

- 1. The three-layer superimposed combination oscillation incubator can be combined at will to reduce the floor area of the laboratory
- 2. It can be controlled independently by layers, and each layer can set the temperature and speed independently, and carry out a number of experiments at the same time
- 3. The studio adopts mirror 304 stainless steel plate, the inner Angle is R arc, easy to clean, the inner liner can be washed directly with water, and the bactericidal effect is good



Specifications

Model		ZY-2530A	ZY-2530B	ZY-2530C
Shaking Mode		Full temperature three axis eccentric cyclotron oscillation		
Function	Amplitude	Φ26mm(Optional 50mm)		
	Temp. Resolution	0.1℃		
	Temp. Motion	±0.5℃		
	Temp. Uniformity	±1℃ (37) °C		
	Temp. Range	4 ~ 60℃		
	Rotary Speed	5 ~ 300rpm(optional 5~400)		
	Rotary Speed Precision	±1rpm		
Structure	Outer Shell	Cold-rolled steel plate with drug-resistant coating		
	built-in	Mirror stainless steel		
	Heat cutting material	polyurethane		
	Heater	Stainless steel heating tube		
	Rocker plate	Stainless steel		
	Power Rating	836W		
Controller	Temp. Control Mode	LCD PID intelligent control		
	Cyclotron Control Mode			
	Setting Mode	Color touch screen Settings		
	Running function	Program run		
	Temperature Sensor	Pt100		
	Speed Sensor	Hoare		
	Additional Function	Gating system, deviation correction, screen saver, blackout memory, history curve		
Safety Device		over temperature alarm, menu locked, gating system ,power-off protection , plugging turn protection		
specification	Exterior Size (W*L*H)(mm)	653*685*691	653*685*1322	653*683*1953
	Packing Size (W*L*H)(mm)	1089*833*893 (monolayer)	1089*833*893 (monolayer*	1089*833*893 (monolayer*
	Single layer size (mm)	953*683*631		
	Internal space dimension	678*545*369		
	Max capacity of Shelf for single specification(ml/pc)	250ml*30/500ml*20/1000ml*12/2000ml*9//3000ml*5		
	Number of flask clamp as standard (ml/pc)	250*30	250*60	250*90
	Shelf Layer	1		
	Power Supply (50/60Hz) Current Rating	AC220V/3.8A	AC220V/7.6A	AC220V/11.4A
	NW/GW (kg)	110/127 (monolayer)		
	CO2 sensor	Imported brand sensor		
	CO2 control range	0-20		
	control accuracy	0.2(Concentration 5%)		
	Display accuracy (%)	0.1		
	illuminant	LED lights, Red: 50%, Blue: 50% (customizable spectrum)		
	Illumination wavelength	White light: 450-465nm, red light: 615-650nm, blue light: 450-480nm		
	Light intensity - day lights/grow lights	10000LUX(distance 10cm)/ Red light :6500LUX, Blue light :6500LUX(distance 10cm)		
	Temperature range (%RH)	35-90%		
	Temperature accuracy	±3%		
	Temperature fluctuation (%RH)	±3%		



Features

- 1. Surround type negative pressure leak-proof design.
- 2. Unique diffuse flow mode to ensure the uniform distribution of air flow in the cavity
- 3. Full color 7-inch touch screen, easy to operate and clear to see, intuitive display of filters and germicidal lamps Service life.
- 4. Drainage on both sides can effectively prevent countercurrent and protect the operator.
- 5. The inner liner is made of 304 stainless steel.
- 6 Three-level Rights Management.

Specifications

Model		TBSC-600A2	TBSCZ-600A2
Performance	cleanliness	Level 100	
	collection efficiency	0.3um particles more than 99.995%	
	colony count	≤0.5 pieces/dish (medium 90mm petri dish)	
	noise	≤67db	
	downdraft	0.33 + / - 0.025	
	inflow flow	0.53 + / - 0.025	
Structure	illuminance	≥650lx	
	operating surface (mm)	600×490	
	shell	Cold rolled steel plate, surface resistance coating	
	guard door	Tempered glass	
	filter	HEPA high efficiency air filter	
	light (w)	8(LED lighting)	
Controller	Uv Lamp (w)	4	
	fan (w)	280	
	rated power (w)	300	
	working height of front window	200	
Specification	reveal	7 "full color touch screen	
	additional function	Reservation sterilization function, filter, sterilization lamp service life, front window switch display, cumulative timing function	
	overall dimensions (Width×depth×height	780×710×1224(including handle)	
	operating area size (Width×depth×height	600×490×520	
	outer package size (W×D×H mm)	895×767×1540	
	net weight (kg)	130	110
	gross weight (kg)	162	142
	remark	Vertical biosafety cabinet bottom frame (733×650×570mm)	

Description

Laminar flow cabinet is a necessary basic equipment for biologic technical researches and experiments. It is widely applicable in the field of pharmaceuticals, biochemistry, environmental monitoring and electronic instruments for purifying air in the operation area.



Features

- 1.SUS 304 stainless steel working surface, anti-rust and easy to clean and disinfect;
- 2. High quality low noise centrifugal fan ensures the stable speed. Touch type air flow control system, the five sections wind speed control.
- 3. Tempered glass sliding door, can be adjusted to stop at any position;
- 4.LED bar to show the working status;
- 5.With lighting lamp and UV lamp;



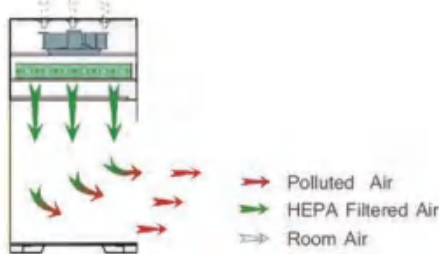
Socket



UV Lamp



Gas Tap



Specifications

Model		LF-V800	LF-VD800	LF-V1300	LF-VD1300	LF-V600	LF-V600S
		Single person Single side	Single person Double sides	Double persons Single side	Double persons Double sides	Single person Protect sample	Single person Protect operator
Airflow direction		vertical					
Performance	air cleanness	level 100					
	filtration efficiency	0.3um granule,≥99.9%					
	bacteria count	≤0.5/petri dish(φ90mm)					
	wind speed	0.2-0.6m/s(adjustable)					>0.5 (m/s)
	noise level	≤62db					
	vibration&Semi-peak	≤3um					
Structure	illumination intensity	≥300LX(work center)					
	work surface bearing	50kg					20kg
	work surface	stainless steel					
	shell material	spraying cold rolled steel					
	work door	tempered glass					
	HEPA filter	820×600×50mm×1	610×610×50mm×2		99.999% efficiency at 0.3μm		
Specification	Pre-filter	520×490×5mm×1	520×490×5mm×2		Polyurethane		
	LED lamp	20W×1	30W×1		4W×1		
	UV lamp	20W×1	30W×1		8W×1		
	fan motor	300W×1	300W×2		87W×1		
	working size(W×D×Hmm)	780×670×550	780×780×550	1310×710×550	1310×790×550	600×450×580	
	exterior size(W×D×Hmm)	935×725×1690	935×780×1690	1487×733×1690	1487×788×1690	696×550×920	
	packing size(W×D×Hmm)	1100×900×1385	1100×960×1385	1655×905×1840	1655×960×1840	830×700×1040	
	max power	0.4kw		0.8kw		0.10kw	
	Power source	AC220V/1.8A(50/60Hz)		AC220V/3.6A(50/60Hz)		AC220V/0.39A(50/60Hz)	
	NW/GW	160/225kg	165/230kg	200/305kg	205/310kg	75kg/90kg	

Description

This device uses tap water to produce pure water and uses the electric heating method to produce distilled water. It is widely used in schools, laboratories, food processing, biochemistry, agriculture, etc.

Features

- 1. Main structure is made of stainless steel.
- 2. Easy operation, steady output.
- 3. Model DZ has special water level control system. It will alarm when the water in the evaporation barrel is under the warning water level, and then cut the power automatically. When the water is replenished, it continues working.



Specifications

Model		HS-5L	HS-10L	HS-20L	DZ-5L	DZ-10L	DZ-20L
Method		water condensation					
Performance	output(L/h)	5	10	20	5	10	20
Structure	evaporator	stainless steel					
	condenser	stainless steel					
	heating device	stainless steel heating tube					
	rated power	4.5kw	7.5kw	15kw	4.5kw	7.5kw	15kw
Controller	automatic alarm	×	×	×	√	√	√
	automatic power cut	×	×	×	√	√	√
	automatic recovery	×	×	×	√	√	√
Safety device		no water shortage alarm, water shortage power-off, water recovery					
Specification	exterior size (W×D×Hmm)	φ305×730	φ335×830	φ405×980	φ305×730	φ335×830	φ405×980
	packing size (W×D×Hmm)	380×350×810	380×360×900	410×410×1110	380×350×810	380×360×900	410×410×1110
	Power source(50/60Hz)	AC220V/20A	AC380V/11A	AC380V/23A	AC220V/20A	AC380V/11A	AC380V/23A
	NW/GW	4.7/6.7kg	6.3/7.8kg	9.5/11kg	5/7kg	7/9kg	10/12kg

Description

This series machine takes municipal tap water as inlet water. It is the most cost-effective and widely used ultrapure water purifier in laboratory, can produce both pure water and ultrapure water.

Features

Display:

- 1. Microcomputer control, keypress operation.
- 2. Big LCD screen, Online monitor and remind of water quality, use of consumables and fault warning, etc.
- 3. Date and time online displayed.

Operation:

- 4. Qualitative, quantitative and timing to intake water to meet the demand of different intake water method.
- 5. One key for maintain, to guarantee the water quality and consumables service cycle.
- 6. Can be equipped with water tank or multi-stage controlled water tank (optional).

Intelligence and safety:

- 7. Online monitoring for the water quality (source water and produced water) to keep the safety of the water quality.
- 8. Users can set maintain time, water quality alarm value, etc as required.
- 9. Visible alarm for water out of standard, consumables expire, etc.
- 10. Multi safety protection alarm for water lack, water low, high pressure, water full, pipe leak, etc.
- 11. Automatic System Check, failure automatic diagnosis.
- 12. Pass code protection function, multi level Permission settings.
- 13. 485 or USB port, can record one year's water quality file and equipment running condition(optional).
- 14. The system can add APP function, use cellphone can control and monitor the machine operation.



Specifications

Model			Combination Type	Biological Type	Low TOC Type	Basic Type
			UPT-10 C/20C/30C	UPT-10H/20H/30H/40H	UPT-10T /20T/30T/40T	UPT-10 B/20B/30B/40B
Water yield (L/H)			10~30L/h	10~40L/h		
Source Water			Municipal tap water,water pressure 1.0~5.0/cm2,water temperature 5~45 ℃, TDS ≤ 200ppm			
Intake water flow rate			1~2.0L/min			
Produced water standard	Pure water	conductivity rate	≤ 1us/cm			
	Ultrapure water	UP	Resistance rate:18.25Ω cm@250℃, Absorbancy(254nm,1cm) ≤ 0.001			
		TOC	<3ppb	<5ppb	<3ppb	<10ppb
		Endotoxin/Heat source	<0.001EU/ml	<0.001EU/ml	---	---
		RNA enzyme	<0.01ng/ml	---	---	---
		DNA enzyme	<4pg/ml	---	---	---
		Heavy metal ion	<0.1 ppb			
		Particulate matter	(>0.22μm/0.1 μm) <1/ml			
		Microorganism	<0.1 cfu/ml			
Application fields		Lifescience,DNA sequencing,PCR analysis,Immune diagnosis,Nucleic acid and protein separate,Amino acid analysis,Electrophoresis,Endotoxin	Molecular biology,Animal and plant cell culture,Biological engineering Medium preparation,Medical test,Microbial analysis	HPLC.TOC analysis,Soild phaes extraction,GC-MS,ICP-MS,Environmental analysis,High precision instrument analysis using water	IC,Atomic absorption,MS,L.C,ICP,General chemistry,precision instrument analysis using water	
Power		220V 50HZ 50~80W				
Product size(mm)		W*D*H 370*400*500				

Features

1. Integrated stamped chamber, groove at bottom for better drainage;
2. Stainless steel 304 material chamber and shelf, better anti rust;
3. Five rings lid, more convenient for different sizes of glasswares;
4. Hidden drain tube, beautiful and easy to use;
5. Microcomputer PID control, accuracy 0.1℃;
6. With timer 0-9999min;
7. Triple safety function:
 - 1) Overcurrent protection;
 - 2) Over temperature alarm;
 - 3) Prevent dry burning function(only WB model);



Specifications

Model(integrated chamber)	WB-1S	WB-2S	WB-4D	WB-6D	WB-8D
	WBE-1S	WBE-2S	WBE-4D	WBE-6D	WBE-8D
Controller	PID				
Voltage	220V/50Hz 110V/60Hz				
Power(W)	300W	600W	800W	1200W	2000W
Tem-range(℃)	RT.+5~100℃				
Temperature resolution	0.1℃				
Temperature fluctuation	≤±0.5℃				
Division accuracy	≤±1℃				
Timer	9999 minutes				
Safety	Overcurrent protection; Over temperature alarm; Prevent dry burning function;				
Chamber Size(mm)	160×160×130	305×160×130	305×305×130	470×305×130	635×325×130
Product Size(mm)	200×200×220	345×200×220	345×345×220	510×345×220	680×345×220
Packing Size(mm)	250×250×270	400×250×270	400×400×270	550×400×270	730×400×370
N.W/G.W	3KG/3.5KG	4KG/5KG	6KG/7KG	8KG/9KG	10KG/12KG

Features

1. Integrated stamped chamber, groove at bottom for better drainage;
2. Stainless steel 304 material chamber and shelf, better anti rust;
4. Hidden drain tube, beautiful and easy to use;
5. Microcomputer PID control, accuracy 0.1℃;
6. With timer 0-9999min;
7. Triple safety function:
 - 1) Overcurrent protection;
 - 2) Over temperature alarm;
 - 3) Prevent dry burning function;



Specifications

Model(integrated chamber)	TWB-11D	TWB-15D	TWB-22D	TWB-30D
Controller	PID			
Voltage	220V/50Hz 110V/60Hz			
Power(W)	800W	1000W	1200W	1500W
Tem-range(℃)	RT.+5~100℃			
Temperature resolution	0.1℃			
Temperature fluctuation	≤±0.5℃			
Division accuracy	≤±1℃			
Timer	9999 minutes			
Recycle Design	Null			
Safety	Overcurrent protection; Over temperature alarm; Prevent dry burning function;			
Chamber Size(mm)	300×240×150mm	300×240×200mm	500×290×150mm	500×290×200mm
Product Size(mm)	340×280×240mm	340×280×290mm	550×350×240mm	550×350×290mm
Packing Size(mm)	390×330×290mm	390×330×340mm	600×400×290mm	600×400×340mm



1. Stainless steel arch lid



2. Stainless steel flat lid

Description

HP series hot plate is a necessary instrument for the experiment of digestion, boiling and steaming acid in the laboratory and small and medium-sized production.



Features

- 1.PID control ,more accurate.
- 2.Aluminum plate heating, faster heating ,better uniformity.
- 3.Reach 400℃ without deformation.
- 4.Ceramic surface,anti-scratch and anti-corrosion.
- 5.Isolate the control area to prevent the control system from being corroded by acid gas.
- 6.Durable for a long time.

Specifications

Model		HP-3	HP-4	HP-5	HP-6
Temperature	Max Temp.	400℃			
	Temp. uniformity	±3℃			
	Temp. fluctuation	1℃			
	Temp. accuracy	1℃			
	Heating up time	within 30 minutes to 400℃			
Structure	Outer Shell	Steel			
	Hot plate	Aluminum			
	Surface	Ceramic			
Controller	Working time	Continuous			
	Setting method	Digital			
	Timer	0-9999 minutes			
	Temperature sensor	K			
Safety	Over temp. alarm	factory set overtemperature 10 degrees			
	Water proof	Yes			
Power	Heating power(KW)	1.8	2	3.6	4
	Voltage	220V	220V	220V	220V
Specification	Plate size (W×L×H) (mm)	300×300	300×400	300×500	400×600
	Exterior size (W×L×H)	300×430×190	400×430×190	500×430×190	600×530×190
	Packing size (mm)	360×490×250	460×490×250	560×490×250	660×590×250
	N/W(kg)	18	28	33	38
	G/W(kg)	20	30	35	41

Features

- 1.The heating plate is made of a special ceramic, making it an easy cleaning feature.
- 2.Special heating technique, HPS-20 and HPS-20D heating plate temperature can reach up to 350℃;HPS-20T can reach up to 380℃.HPS-550T can reach up to 550℃.
- 3.PID for temperature control with display windows. High precision and easy to operate.
- 4.Use for heating and stirring standard/non-standard reaction flasks from 50ml to 5L.
- 5.DC brushless motor makes stable operation with low noise, long life and no sparking.
- 6.Metal plate shell, durable, temperature stable and corrosion-resistant.
- 7.Waterproof shell design, prevent the electrical parts from damaged by samples.
- 8.Magnetic stirring technology, steady operation at low speed and powerful at high speed.



Specifications

Model	HPS-10	HPS-20	HPS-20D	HPS-20T	HPS-550T
Surface Dimension [W x D]	125×125mm	184×184mm	184×184mm	200×200mm	200×200mm
Working surface material	Alloy+Ceramic coating	Alloy+Ceramic coating	Alloy+Ceramic coating	Alloy+Ceramic coating	Ceramic
Motor type	0 to 1500rpm				
Temperature control	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor	Brushless DC motor
Motor rating input	18W	18W	18W	18W	18W
Heating output	350W	600W	600W	800W	1000W
Voltage	110/220V 50/60Hz	110/220V 50/60Hz	110/220V 50/60Hz	110/220V 50/60Hz	110/220V 50/60Hz
Stirring positions	1	1	1	1	1
Max. stirring quantity, [H2O]	1L	5L	5L	5L	5L
Max. magnetic bar[length]	80mm	80mm	80mm	80mm	80mm
Speed range	100-1500rpm	100-1500rpm	100-1500rpm	100-1500rpm	100-1500rpm
Resolution	±1rpm	±1rpm	±1rpm	±1rpm	±1rpm
Speed display	Null	Null	LED	LED	LED
Temperature display	Null	Null	LED	LED	LED
Timer display	Null	Null	Null	LED	LED
Heating temperature range	Room Temp.-300℃	Room Temp.-350℃	Room Temp.-350℃	Room Temp.-380℃	Room Temp.-550℃
Temperature control accuracy	±1℃	±1℃	±1℃	±1℃	±1℃
Temperature display accuracy	±0.1℃	±0.1℃	±0.1℃	±0.1℃	±0.1℃
External temperature sensor	Null	Null	PT100	PT1000	PT1000
Protection class	IP21	IP21	IP21	IP21	IP21
Package size [WxDxH]	330×210×150mm	370×280×200mm	370×280×200mm	440×305×280mm	440×300×275mm
Weight	3.0kg	4.5kg	4.5kg	4.8kg	5.3kg

Description

380 °C general heating equipment. The device is widely used for heating in the school laboratory, industrial and mining , food processing, biochemistry, agriculture, petrochemicals engineering and pharmaceuticals industry for the liquid.

Features

- 1.Once shaping shell is made of cold rolled steel sheet with surface Spraying treatment.
- 2.Nichrome heating wire,litter warming up time, long service life.
- 3.Easy operation, wide application.
- 4.Precise PID temperature control meets high accuracy experiment needs.
- 5."A" type are analog, "D" type are with digital display.
- 6."D" type single position mantles are with outer sensor, multi position mantles are with inner sensor, outer sensor optional.



Heating Mantle (HM-A/D)

Type	Analog					Digital				
Model	HM-100A	HM-250A	HM-500A	HM-1000A	HM-2000A	HM-100D	HM-250D	HM-500D	HM-1000D	HM-2000D
Capacity(ml)	100	250	500	1000	2000	100	250	500	1000	2000
Voltage(V)	200~240V/50~60Hz or 100~120V/50~60Hz					200~240V/50~60Hz or 100~120V/50~60Hz				
Max use temp(°C)	380					380				
Power(w)	100	150	250	350	450	100	150	250	350	450
Working time	continuous					continuous				
Exterior size(mm)	φ200×160		φ260×200		φ300×230	φ200×160		φ260×200	φ300×230	
Packing size(mm)	230×230×170		290×290×220		330×330×250	230×230×170		290×290×220	330×330×250	
N./G.W.(kg)	2.5/2.8		4/6		5/7	2.5/2.8		4/6	5/7	

Heating Mantle w/stirrer (HMS-A/D)

Type	Analog					Digital				
Model	HMS-100A	HMS-250A	HMS-500A	HMS-1000A	HMS-2000A	HMS-100D	HMS-250D	HMS-500D	HMS-1000D	HMS-2000D
Capacity(ml)	100	250	500	1000	2000	100	250	500	1000	2000
Voltage(V)	200~240V/50~60Hz or 100~120V/50~60Hz					200~240V/50~60Hz or 100~120V/50~60Hz				
Max use temp(°C)	380					380				
Power(w)	100	150	250	350	450	100	150	250	350	450
Speed (r.p.m)	0~1600rpm					0~1600rpm				
Working time	continuous					continuous				
Exterior size(mm)	φ220×165		φ260×200		φ330×230	φ220×165		φ260×200	φ330×230	
Packing size(mm)	230×210×195		290×290×220		345×290×350	230×210×195		290×290×220	345×290×350	
N./G.W.(kg)	2.5/3.5		4.5/5.5		6.5/7	2.5/3.5		4.5/5.5	6.5/7	

Features

- 1.Large heating area ,heating uniform and heating fast ,and the maximum temperature can be 380 °C.
- 2.Can heat and stir 1000~10000ml standard and non-standard reaction flask.
- 3.Big LCD display, can show speed, temperature and timer together;
- 4.Adopt brushless DC motor,have stable performance ,low noise ,long service life and have no spark.
- 5.The shell is high-temperature resistant,anti-corrosion and has good insulation property.



Specifications

Model	HM-3000A/HMS-3000A	HM-5000A/HMS-5000A	HM-10000A/HMS-10000A	HM-20000A/HMS-20000A
	HM-3000D/HMS-3000D	HM-5000D/HMS-5000D	HM-10000D/HMS-10000D	HM-20000D/HMS-20000D
Capacity	3000ml	5000ml	10000ml	20000ml
Heating Mode	Surface heat-conduction (HMS With magnetic stirring)			
Temperature Range	380°C			
Power Requirements	200~240V			
Speed Range	0~1600rpm			
Heating element	Nichrome wire			
Stir bar	PTFE			
Temperature setting mode	HMS-A: scale HMS-D: knob quick setting			
Temperature expression mode	HMS-A: scale HMS-D: digital display			
Timing function	HMS-D: Timing function (0~999 minutes) override alarm			
Motor power	0.01KW			
Heating Power	0.6	0.8	1.2	2.5
Working Mode	HMS Continuous			
Exterior size/mm	φ 340×245	φ 350×250	φ 425×320	φ 470×340
Packing size/mm	360×360×280	390×390×310	470×470×380	540×540×420
Weight/Kg	7.5/8	8/9.2	9.8/12	26.5/28

Heating Mantle for Extraction Apparatus

Features

- 1.Space saving design of the extraxtion mantle;
- 2.Independ and separate temperature control at each different condition;
- 3.Inner heating element consists soft glass fiber, protected from damage of flask and excellent;
- 4.Precise PID temperature control meets high accuracy experiment needs.
- 5."A" type are analog, "D" type are with digital display.



Specifications

Type	Analog						Digital					
Model	HM3-250A	HM3-500A	HM3-1000A	HM6-250A	HM6-500A	HM6-1000A	HM3-250D	HM3-500D	HM3-1000D	HM6-250D	HM6-500D	HM6-1000D
Capacity(ml)	3x250ml	3x500ml	3x1000ml	6x250ml	6x500ml	6x1000ml	3x250ml	3x500ml	3x1000ml	6x250ml	6x500ml	6x1000ml
Voltage(V)	200~240V/50~60Hz or 100~120V/50~60Hz						200~240V/50~60Hz or 100~120V/50~60Hz					
Max use temp	380 °C						380 °C					
Power(w)	150x3	250x3	350x3	150x6	250x6	350x6	150x3	250x3	350x3	150x6	250x6	350x6
Working time	continuous						continuous					
Exterior size(mm)	500x290x120		650x350x120		900x290x120		500x320x140		650x380x140		900x320x140	
Packing size(mm)	550x440x170		700x500x170		950x440x170		550x470x190		700x530x190		950x470x190	
N./G.W.(kg)	8/10		14/16		8/10		9/11		15/17		9/11	