



## FORCED CONVECTION OVEN

# FORCED CONVECTION OVEN BER1D1 TO BER1D8

## HORIZONTAL DRYING OVEN



1. Horizontal air type, high space utilization and good temperature uniformity.
2. 101: Forced fan cooling intake structure, the maximum working temperature <math>< 50\text{ C}</math>, the fan long-term longevity operation.
3. 202: Classical natural convection drying method.
4. New anti-hot handle.

## SPECIFICATIONS

Model	BER1D1	BER1D2	BER1D3	BER1D4
Cycle Mode	Forced convection			
Function				
--Temp. Range	RT+10-250°C			
--Temp. Resolution Ratio	0.1°C			
--Temp. Motion	±1°C			
--Temp. Uniformity	±2.5%			
Structure				
--Inner Chamber	High strength galvanized sheet			
--Outer Shell	Cold rolling steel electrostatic spraying exterior			
--Insulation Layer	High quality rock wool board(with CE)			
--Heater	Stainless steel electric heating tube;			
--Power Rating	1.2kW	1.6kW	2.3kW	3.0kW
--Exhaust Hole	Φ35mm top(with function of test hole)			
Controller				
--Temp. Control Mode	Two temperature section PID intelligent			
--Temp. Setting Mode	Touch button setting			
--Temp. Display Mode	LED Digital display			
--Timer	0-9999min(with timing wait function)			
--Operation Function	Fixed temperature operation, fixed timing operation, auto stop.			
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory			
--Sensor	PT100			
Safety Device	Over temperature sound-light alarm;			
Specification				
--Inner Chamber size(W*L*H)(mm)	350*350*350	450*350*450	550*450*550	600*500*750
--Exterior Size (W*L*H)(mm)	652*472*587	752*472*687	852*572*786	902*622*986
--Packing Size (W*L*H)(mm)	745*605*745	845*605*850	945*705*950	955*755*1150
--Volume	43L	71L	136L	225L
--Max. Shelf Number	9	13	17	25
--Load Per rack	15kg			

--Shelf Space	25mm			
--Power Rating (50/60HZ)	AC220V/5.5A	AC220V/7.3A	AC220V/9.1A	AC220V/13.6A
--NW/Gw (kg)	10/46	45/50	62/68	77/96
Accessory				
--Shelf	2			
--Shelf Frame	4			
Optional accessories	Shelves			
Alt Name	Horizontal Drying Oven			
Model	BER1D5	BER1D6	BER1D7	BER1D8
Old Model	BODR-101	BODR-102	BODR-103	BODR-104
Cycle Mode	Forced convection			
Function				
--Temp. Range	RT+10-250°C			
--Temp. Resolution Ratio	0.1°C			
--Temp. Motion	±1°C			
--Temp. Uniformity	±2.5%			
Structure				
--Inner Chamber	High quality stainless steel			
--Quter Shell	Cold rolling steel electrostatic spraying exterior			
--Insulation Layer	High quality rock wool board(with CE)			
--Heater	Stainless steel electric heating tube;			
--Power Rating	1.2kW	1.6kW	2.3kW	3.0kW
--Exhaust Hole	Φ35mm top(with function of test hole)			
Controller				
--Temp. Control Mode	Two temperature section PID intelligent			
--Temp. Setting Mode	Touch button setting			
--Temp. Display Mode	LED Digital display			
--Timer	0-9999min(with timing wait function)			
--Operation Function	Fixed temperature operation, fixed timing operation, auto stop.			
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory			
--Sensor	PT100			
Safety Device	Over temperature sound-light alarm;			
Specification				
--Inner Chamber size(W*L*H)(mm)	350*350*350	450*350*450	550*450*550	600*500*750
--Exterior Size (W*L*H)(mm)	652*472*587	752*472*687	852*572*786	902*622*986
--Packing Size (W*L*H)(mm)	745*605*745	845*605*850	945*705*950	955*755*1150
--Volume	43L	71L	136L	225L
--Max. Shelf Number	9	13	17	25
--Load Per rack	15kg			
--Shelf Space	25mm			
--Power Rating (50/60HZ)	AC220V/5.5A	AC220V/7.3A	AC220V/9.1A	AC220V/13.6A
--NW/Gw (kg)	10/46	45/50	62/68	77/96
Accessory				
--Shelf	2			
--Shelf Frame	4			
Optional accessories	Shelves			
Alt Name	Horizontal Drying Oven			



## APPLICATIONS

High precision and large density sample drying treatment.

## FORCED CONVECTION OVEN BER1B1 TO BER1B20

FORCED AIR DRYING OVEN



Forced Convection Oven BER1B1

1. Horizontal air circularly by double air ducts, high efficiency and high uniformity.
2. PID controller, with over-temperature protection function.
3. With fan switch, LED digital display, high temperature blast motor.
4. New anti-hot handle.

## SPECIFICATIONS

Model	BER1B1	BER1B2	BER1B3	BER1B4	BER1B5
Old Model	BOFC-101	BOFC-102	BOFC-103		BOFC-104
Cycle Mode	Forced convection				
Function					
--Temp. Range	RT+10-300°C				
--Temp. Resolution Ratio	0.1°C				
--Temp. Motion	±1°C				
--Temp. Uniformity	±2.5%				
Structure					
--Inner Chamber	Mirror Stainless Steel				
--Quter Shell	Cold rolling steel electrostatic spraying exterior				
--Insulation Layer	High quality rock wool board(with CE)				
--Heater	Stainless steel heater				
--Power Rating	0.8kW	1.2kW	1.6kW	2.0kW	2.3kW
--Exhaust Hole	Φ 35mm top(with function of test hole)		Φ35mm top(with function of test hole)	Φ 35mm top(with function of test hole)	
Controller					
--Temp. Control Mode	Two temperature section PID intelligent				
--Temp. Setting Mode	Touch button setting				

--Temp. Display Mode	Measuring temperature: display on the four digital tubes upper row, setting temperature: display on the lower row				
--Timer	0-9999min(with timing wait function)				
--Operation Function	Fixed temperature operation, timing function, auto stop.				
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory				
--Sensor	PT100				
--Safety Device	Over temperature sound-light alarm;				
Specification					
--Inner Chamber size(W*L*H)(mm)	310*310*310	350*350*350	400*360*450	450*420*450	500*450*550
--Exterior Size (W*L*H)(mm)	450*500*690	490*540*730	540*550*830	590*610*830	640*640*930
--Packing Size (W*L*H)(mm)	540*575*855	580*615*895	635*625*395	680*685*1000	710*730*1100
--Volume	30L	45L	65L	85L	125L
--Max. Shelf Number	5	6	8		11
--Load Per rack	15kg				
--Shelf Space	40mm				
--Power Rating (50/60HZ)	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A	AC220V/9.0A	AC220V/10.5A
--NW/GW (kg)	33/37	37/43	44/49	50/56	60/66
Accessory					
--Shelf	2				
--Shelf Frame	4				
Optional accessories	Spare shelf				
Alt Name	Forced Air Drying Oven				
Model	BER1B6	BER1B7	BER1B8	BER1B9	BER1B10
Old Model	BOFC-105	BOFC-106	BODR-301	BODR-302	BODR-303
Cycle Mode	Forced convection				
Function					
--Temp. Range	RT+10-300°C				
--Temp. Resolution Ratio	0.1°C				
--Temp. Motion	±1°C				
--Temp. Uniformity	±2.5%				
Structure					
--Inner Chamber	Mirror Stainless Steel				
--Quter Shell	Cold rolling steel electrostatic spraying exterior				
--Insulation Layer	High quality rock wool board(with CE)				
--Heater	Stainless steel heater				
--Power Rating	3.0kW	4.0kW	0.8kW	1.2kW	1.6kW
--Exhaust Hole	Rear exhaust	Φ63mm top	Φ35mm top(with function of test hole)		
Controller					
--Temp. Control Mode	Two temperature section PID intelligent				
--Temp. Setting Mode	Touch button setting				
--Temp. Display Mode	Measuring temperature: display on the four digital tubes upper row, setting temperature: display on the lower row		Measuring temperature display on upper LCD screen, setting temperature display on the lower row		
--Timer	0-9999min(with timing wait function)				
--Operation Function	Fixed temperature operation, timing function, auto stop.				

--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory		High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory		
--Sensor	PT100				
--Safety Device	Over temperature sound-light alarm;		Digital Independent Temp. limiter, Over temperature sound-light alarm.		
Specification					
--Inner Chamber size(W*L*H)(mm)	600*500*750	760*660*1250	310*310*310	350*350*350	400*360*450
--Exterior Size (W*L*H)(mm)	735*835*1115	902*942*1739	450*500*690	490*540*730	540*550*830
--Packing Size (W*L*H)(mm)	857*885*1287	1032*1009*1925	540*575*855	580*615*895	635*625*395
--Volume	230L	625L	30L	45L	65L
--Max. Shelf Number	17	11	5	6	8
--Load Per rack	15kg				
--Shelf Space	35mm	100mm	40mm		
--Power Rating (50/60HZ)	AC220V/13.6A	AC380V/6.0A	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A
--NW/GW (kg)	94/120	150/190	33/37	37/43	44/49
Accessory					
--Shelf	2				
--Shelf Frame	4				
Optional accessories	Spare shelf		Spare shelf, RS485 interface, printer, Program controller, U-disk storage;3.5-inch color touch screen temperature controller		
Alt Name	Forced Air Drying Oven				
Model	BER1B11	BER1B12	BER1B13	BER1B14	BER1B15
Old Model		BODR-304	BODR-305	BODR-306	
Cycle Mode	Forced convection				
Function					
--Temp. Range	RT+10-300°C				
--Temp. Resolution Ratio	0.1°C				
--Temp. Motion	±1°C				
--Temp. Uniformity	±2.5%				
Structure					
--Inner Chamber	Mirror Stainless Steel				
--Quter Shell	Cold rolling steel electrostatic spraying exterior			Cold rolling steel electrostatic spraying exterior / 304:SUS304	
--Insulation Layer	High quality rock wool board(with CE)				
--Heater	Stainless steel heater				
--Power Rating	2.0kW	2.3kW	3.0kW	4.0kW	0.8kW
--Exhaust Hole	Φ35mm top(with function of test hole)	Rear exhaust	Φ63mm top	Φ35mm top(with function of test hole)	
Controller					
--Temp. Control Mode	Two temperature section PID intelligent				
--Temp. Setting Mode	Touch button setting				

--Temp. Display Mode	Measuring temperature display on upper LCD screen, setting temperature display on the lower row				
--Timer	0-9999min(with timing wait function)				
--Operation Function	Operation Function Fixed temperature operation, timing function, auto stop.				
--Additional Function	High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory	High precision digital independent temperature limiter. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory	High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory	High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory	High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory
--Sensor	PT100				
--Safety Device	Digital Independent Temp. limiter, Over temperature sound-light alarm.				
Specification					
--Inner Chamber size(W*L*H)(mm)	450*420*450	500*450*550	600*500*750	760*660*1250	310*310*310
--Exterior Size (W*L*H)(mm)	590*610*830	640*640*930	735*835*1115	902*942*1739	450*500*690
--Packing Size (W*L*H)(mm)	680*685*1000	710*730*1100	857*885*1287	1032*1009*1925	540*575*855
--Volume	85L	125L	230L	625L	30L
--Max. Shelf Number	8	11	17	11	5
--Load Per rack	15kg				
--Shelf Space	40mm		35mm	100mm	40mm
--Power Rating (50/60HZ)	AC220V/9.0A	AC220V/10.5A	AC220V/13.6A	AC380V/6.0A	AC220V/3.6A
--NW/GW (kg)	50/56	60/66	94/120	150/190	33/37
Accessory					
--Shelf	2				
--Shelf Frame	4				
Optional accessories	Spare shelf, RS485 interface, printer, Program controller, U-disk storage;3.5-inch color touch screen temperature controller				
Alt Name	Forced Air Drying Oven				
Model	BER1B16	BER1B17	BER1B18	BER1B19	BER1B20
Cycle Mode	Forced convection				
Function					
--Temp. Range	RT+10-300°C				
--Temp. Resolution Ratio	0.1°C				
--Temp. Motion	±1°C				
--Temp. Uniformity	±2.5%				
Structure					
--Inner Chamber	Mirror Stainless Steel				
--Quter Shell	Cold rolling steel electrostatic spraying exterior / 304:SUS304				
--Insulation Layer	High quality rock wool board(with CE)				
--Heater	Stainless steel heater				
--Power Rating	1.2kW	1.6kW	2.0kW	2.3kW	3.0kW
--Exhaust Hole	Φ35mm top(with function of test hole)				Rear exhaust

Controller					
--Temp. Control Mode	Two temperature section PID intelligent				
--Temp. Setting Mode	Touch button setting				
--Temp. Display Mode	Measuring temperature display on upper LCD screen, setting temperature display on the lower row				
--Timer	0-9999min(with timing wait function)				
--Operation Function	Operation Function Fixed temperature operation, timing function, auto stop.				
--Additional Function	High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory				High precision digital independent temperature limiter. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory
--Sensor	PT100				
--Safety Device	Digital Independent Temp. limiter, Over temperature sound-light alarm.				
Specification					
--Inner Chamber size(W*L*H)(mm)	350*350*350	400*360*450	450*420*450	500*450*550	600*500*750
--Exterior Size (W*L*H)(mm)	490*540*730	540*550*830	590*610*830	640*640*930	735*835*1115
--Packing Size (W*L*H)(mm)	580*615*895	635*625*395	680*685*1000	710*730*1100	857*885*1287
--Volume	45L	65L	85L	125L	230L
--Max. Shelf Number	6	8		11	17
--Load Per rack	15kg				
--Shelf Space	40mm				35mm
--Power Rating (50/60HZ)	AC220V/5.5A	AC220V/7.2A	AC220V/9.0A	AC220V/10.5A	AC220V/13.6A
--NW/GW (kg)	37/43	44/49	50/56	60/66	94/120
Accessory					
--Shelf	2				
--Shelf Frame	4				
Optional accessories	Spare shelf, RS485 interface, printer, Program controller, U-disk storage;3.5-inch color touch screen temperature controller				
Alt Name	Forced Air Drying Oven				



## FEATURES BER1B1 BER1B2 BER1B3 BER1B4 BER1B5 BER1B6 BER1B7 BER1B15 BER1B16 BER1B17 BER1B18 BER1B19 BER1B20

1. Horizontal air circularly by double air ducts, high efficiency and high uniformity.
2. PID controller, with over-temperature protection function.



3. With fan switch,LED digital display,high temperature blast motor.
4. New anti-hot handle.

## FEATURES BER1B8 BER1B9 BER1B10 BER1B11 BER1B12

1. Horizontal air circularly by double air ducts, high efficiency and high uniformity.
2. PID controller, with over-temperature protection function.
3. With fan switch,LED digital display,high temperature blast motor.
4. New anti-hot handle.

1. LCD temperature controller.
2. 4 grades speed fan, adjustable for different requirements.
3. Over-temperature protection system.
4. High precision digital independent temperature limiter.
5. 304:SUS304 Stainless Steel Body.

## FEATURES BER1B13 BER1B14

1. Horizontal air circularly by double air ducts, high efficiency and high uniformity.
2. PID controller, with over-temperature protection function.
3. With fan switch,LED digital display,high temperature blast motor.
4. New anti-hot handle.

1. LCD temperature controller.
2. 4 grades speed fan, adjustable for different requirements.
3. Over-temperature protection system.
4. High precision digital independent temperature limiter.
5. 304:SUS304 Stainless Steel Body.
6. This models don't have fan switches.

## APPLICATIONS

Used for drying, baking, wax, heat treatment.

## FORCED CONVECTION OVEN BER1H1 TO BER1H17

DRYING OVEN/INCUBATOR (DOUBLE FUNCTION)



1. Horizontal air circularly by double air ducts, high efficiency and high uniformity.
  2. PID controller, with over-temperature protection function.
  3. With oven/Incubator change switch, fan switch; and high temperature blast motor, LED digital display.
  5. New anti-hot handle.
- GP-BE series have the following characteristics other than the above functions.
1. LCD temperature controller.
  2. 4 grades speed fan, adjustable for different requirements.
  3. Over-temperature protection system.
  4. High precision digital independent temperature limiter.
  5. 304:SUS304 Stainless Steel Body.

## SPECIFICATIONS

Model	BER1H1	BER1H2	BER1H3	BER1H4	BER1H5
Old Model	BIDP-101	BIDP-102	BIDP-103		BIDP-104
Cycle Mode	Forced convection				
Function					
--Temp. Range	Incubator:RT+5-80°C Drying oven:80-300C				
--Temp. Resolution Ratio	0.1°C				
--Temp. Motion	±1°C				
--Temp. Uniformity	±2.5%				
Structure					
--Inner Chamber	Mirror stainless steel				
--Quter Shell	Cold rolling steel electrostatic spraying exterior 304:SUS 304 embossed stainless steel shell				
--Insulation Layer	High quality rock wool board(with CE)				
--Heater	Stainless steel heater				
--Power Rating	0.8kw	1.2kw	1.6kw	2.0kw	2.3kw
--Exhaust Hole	Φ35mm top(with function of test hole)				
Controller					
--Temp. Control Mode	Two temperature section PID intelligent				
--Temp. Setting Mode	Touch button setting				
--Temp. Display Mode	LED Digital display				
--Timer	0-9999min(with timing wait function)				
--Operation Function	Fixed temperature operation, timing function, auto stop.				
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory				
--Sensor	PT100				
--Safety Device	Over temperature sound-light alarm;				
Specification					
--Inner Chamber size(W*L*H)(mm)	310*310*310	350*350*350	400*360*450	450*420*450	500*450*550
--Exterior Size (W*L*H)(mm)	460*510*695	500*550*735	550*550*840	590*610*830	636*680*915
--Packing Size (W*L*H)(mm)	540*575*855	580*615*895	635*625*995	680*685*1000	710*730*1100
--Volume	30L	45L	65L	85L	125L
--Max. Shelf Number	5	6	8		11
--Load Per rack	15kg				
--Shelf Space	40mm				
--Power Rating (50/60HZ)	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A	AC220V/9.0A	AC220V/10.5A
--NW/GW (kg)	33/37	37/43	44/49	50/56	60/66
Accessory					
--Shelf	2				
--Shelf Frame	4				
Optional accessories	Spare shelf				
Alt Name	Drying Oven/Incubator (Double function)				
Model	BER1H6	BER1H7	BER1H8	BER1H9	BER1H10
Old Model	BIDP-105	BIDP-201	BIDP-202	BIDP-203	
Cycle Mode	Forced convection				
Function					
--Temp. Range	Incubator:RT+5-80°C Drying oven:80-300C				

--Temp. Resolution Ratio	0.1°C				
--Temp. Motion	±1°C				
--Temp. Uniformity	±2.5%				
Structure					
--Inner Chamber	Mirror Stainless Steel				
--Outer Shell	Cold rolling steel electrostatic spraying exterior 304:SUS 304 embossed stainless steel shell				
--Insulation Layer	High quality rock wool board(with CE)				
--Heater	Stainless steel heater				
--Power Rating	3.0kW	0.8kW	1.2kW	1.6kW	2.0kW
--Exhaust Hole	Φ35mm top(with function of test hole)				
Controller					
--Temp. Control Mode	Two temperature section PID intelligent				
--Temp. Setting Mode	Touch button setting				
--Temp. Display Mode	LED Digital Display	LCD Digital Display			
--Timer	0-9999min(with timing wait function)				
--Operation Function	Fixed temperature operation, timing function, auto stop.				
--Additional Function	High precision digital independent temperature limiter. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory	High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory			
--Sensor	PT100				
--Safety Device	Over temperature sound-light alarm;	Digital Independent Temp. limiter, Over temperature sound-light alarm.			
Specification					
--Inner Chamber size(W*L*H)(mm)	600*500*750	310*310*310	350*350*350	400*360*450	450*420*450
--Exterior Size (W*L*H)(mm)	735*835*1115	460*510*695	500*550*735	550*550*840	590*610*830
--Packing Size (W*L*H)(mm)	857*885*1287	540*575*855	580*615*895	635*625*995	680*685*1000
--Volume	230L	30L	45L	65L	85L
--Max. Shelf Number	17	5	6	8	
--Load Per rack	15kg				
--Shelf Space	40mm				
--Power Rating (50/60HZ)	AC220V/13.6A	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A	AC220V/9.0A
--NW/GW (kg)	94/120	33/37	37/43	44/49	50/56
Accessory					
--Shelf	2				
--Shelf Frame	4				
Optional accessories	Spare shelf	Spare shelf, RS485 interface, printer, Program controller, U-disk storage;3.5-inch color touch screen temperature controller			
Alt Name	Drying Oven/Incubator (Double function)				
Model	BER1H11	BER1H12	BER1H13	BER1H14	
Old Model	BIDP-204	BIDP-205			
Cycle Mode	Forced convection				

Function				
--Temp. Range	Incubator:RT+5-80°C Drying oven:80-300C			
--Temp. Resolution Ratio	0.1°C			
--Temp. Motion	±1°C			
--Temp. Uniformity	±2.5%			
Structure				
--Inner Chamber	Mirror Stainless Steel			
--Quter Shell	Cold rolling steel electrostatic spraying exterior 304:SUS 304 embossed stainless steel shell			
--Insulation Layer	High quality rock wool board(with CE)			
--Heater	Stainless steel heater			
--Power Rating				
--Exhaust Hole	Φ35mm top(with function of test hole)			
Controller	2.3kW	3.0kW	0.8kW	1.2kW
--Temp. Control Mode	Two temperature section PID intelligent			
--Temp. Setting Mode	Touch button setting			
--Temp. Display Mode	LCD Digital Display			
--Timer	0-9999min(with timing wait function)			
--Operation Function	Fixed temperature operation, timing function, auto stop.			
--Additional Function	High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory	High precision digital independent temperature limiter. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory	High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory	
--Sensor	PT100			
--Safety Device	Digital Independent Temp. limiter, Over temperature sound-light alarm.			
Specification				
--Inner Chamber size(W*L*H)(mm)	500*450*550	600*500*750	310*310*310	350*350*350
--Exterior Size (W*L*H)(mm)	636*680*915	735*835*1115	460*510*695	500*550*735
--Packing Size (W*L*H)(mm)	710*730*1100	857*885*1287	540*575*855	580*615*895
--Volume	125L	230L	30L	45L
--Max. Shelf Number	11	17	5	6
--Load Per rack	15kg			
--Shelf Space	40mm			
--Power Rating (50/60HZ)	AC220V/10.5A	AC220V/13.6A	AC220V/3.6A	AC220V/5.5A
--NW/GW (kg)	60/66	94/120	33/37	37/43
Accessory				
--Shelf	2			
--Shelf Frame	4			
Optional accessories	Spare shelf, RS485 interface, printer, Program controller, U-disk storage;3.5-inch color touch screen temperature controller			
Alt Name	Drying Oven/Incubator (Double function)			
Model	BER1H15	BER1H16	BER1H17	
Cycle Mode	Forced convection			
Function				

--Temp. Range	Incubator:RT+5-80°C Drying oven:80-300C		
--Temp. Resolution Ratio	0.1°C		
--Temp. Motion	±1°C		
--Temp. Uniformity	±2.5%		
Structure			
--Inner Chamber	Mirror Stainless Steel		
--Quter Shell	Cold rolling steel electrostatic spraying exterior 304:SUS 304 embossed stainless steel shell		
--Insulation Layer	High quality rock wool board(with CE)		
--Heater	Stainless steel heater		
--Power Rating			
--Exhaust Hole	Φ35mm top(with function of test hole)		
Controller	3.0kW	0.8kW	1.2kW
--Temp. Control Mode	Two temperature section PID intelligent		
--Temp. Setting Mode	Touch button setting		
--Temp. Display Mode	LCD Digital Display		
--Timer	0-9999min(with timing wait function)		
--Operation Function	Fixed temperature operation, timing function, auto stop.		
--Additional Function	High precision digital independent temperature limiter.4 grades 3 speed adjustable-speed fan. Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory		
--Sensor	PT100		
--Safety Device	Digital Independent Temp. limiter, Over temperature sound-light alarm.		
Specification			
--Inner Chamber size(W*L*H)(mm)	400*360*450	450*420*450	500*450*550
--Exterior Size (W*L*H)(mm)	550*550*840	590*610*830	636*680*915
--Packing Size (W*L*H)(mm)	635*625*995	680*685*1000	710*730*1100
--Volume	65L	85L	125L
--Max. Shelf Number	8		11
--Load Per rack	15kg		
--Shelf Space	40mm		
--Power Rating (50/60HZ)	AC220V/7.2A	AC220V/9.0A	AC220V/10.5A
--NW/Gw (kg)	44/49	50/56	60/66
Accessory			
--Shelf	2		
--Shelf Frame	4		
Optional accessories	Spare shelf, RS485 interface, printer, Program controller, U-disk storage;3.5-inch color touch screen temperature controller		
Alt Name	Drying Oven/Incubator (Double function)		

## APPLICATIONS

Drying, baking, wax, heat treatment and bacterial culture in one chamber.

# FORCED CONVECTION OVEN BGI1B1 TO BGI1B17

## FORCED AIR OVEN



- 304 stainless steel, mirror polishing processing, easy to clean and maintain.
  - PID controller with over temperature alarm and timing function ensures precise and reliable control.
  - Air circulation system with specific air flow channel ensures a good temperature uniformity performance.
  - Silicon door gasket with long lifetime, and easy to change.
  - A damper adjustment in the front ensures the gas convection enough in working chamber.
- Option:
- Independent over-temperature alarm system ensures experiments running safely.
  - RS 485 connector can connect computer to save the data via software.

## SPECIFICATIONS

Model	BGI1B1	BGI1B2	BGI1B3	BGI1B4	BGI1B5
Old Model	BOGP-201	BOGP-202	BOGP-203	BOGP-204	BOGP-206
Electrical Requirement	220V 50Hz				
Temperature Range	RT+10°C~250°C				
Display Resolution	0.1°C				
Temperature Stability	±1°C				
Temperature Uniformity	±3% (at 100°C)				
Ambient Temperature	+5~40°C				
Power Consumption	800W	850W	1100W	1550W	2050W
Chamber Volume	16L	30L	50L	80L	136L
Interior Dimension (WxDxH)mm	250x260x250	340x320x320	420x395x350	450x400x450	550x450x550
Exterior Dimension (WxDxH)mm	530x370x420	620x440x490	720x530x520	740x530x630	840x580x730
Shelves	2(pcs)				
Timing Range	0~9999min				
Alt Name	Forced Air Oven				

Model	BGI1B6	BGI1B7	BGI1B8	BGI1B9
Old Model	BOGP-208	BOGP-209	BOGP-210	BOGP-211
Electrical Requirement	220V 50Hz	380V 50Hz		
Temperature Range	RT+10°C~250°C			
Display Resolution	0.1°C			
Temperature Stability	±1°C			
Temperature Uniformity	±3% (at 100°C)			
Ambient Temperature	+5~40°C			
Power Consumption	2450W	3100W	4000W	5200W
Chamber Volume	220L	420L	620L	1000L
Interior Dimension (WxDxH)mm	600x500x750	640x585x1355	840x600x1355	800x700x1590
Exterior Dimension (WxDxH)mm	880x630x930	780x730x1780	980x800x1880	1050x880x2060
Shelves	2(pcs)	3(pcs)	4(pcs)	
Timing Range	0~9999min			
Alt Name	Forced Air Oven			

Model	BGI1B10	BGI1B11	BGI1B12	BGI1B13
Old Model	BIGP-6901	BIGP-6902	BIGP-6903	BIGP-6904
Electrical Requirements	220V 50Hz			
Temperature Range	RT+10~300°C			
Display Resolution	0.1°C			
Temperature Stability	±1°C			
Temperature Uniformity	±3% (at 100°C)			
Ambient Temperature	+5~40°C			
Power Consumption	850W		1100W	1550W
Chamber Volume	16L/30L		50L	80L
Internal Dimension (WxDxH)mm	250x260x250	340x320x320	420x395x350	450x400x450
External Dimension (WxDxH)mm	530x370x420	620x440x490	720x530x520	740x530x630
Shelves	2(pcs)			
Timing Range	0~9999min			
Alt Name	Forced Air Oven			
Model	BGI1B14	BGI1B15	BGI1B16	BGI1B17
Old Model	BIGP-6905	BIGP-6906	BIGP-6907	BIGP-6908
Electrical Requirements	220V 50Hz		380V 50Hz	
Temperature Range	RT+10~300°C			
Display Resolution	0.1°C			
Temperature Stability	±1°C			
Temperature Uniformity	±3% (at 100°C)			
Ambient Temperature	+5~40°C			
Power Consumption	2050W	2450W	3100W	4000W
Chamber Volume	136L	220L	420L	620L
Internal Dimension (WxDxH)mm	550x450x550	600x500x750	640x585x1355	840x600x1355
External Dimension (WxDxH)mm	840x580x730	880x630x930	780x730x1780	980x800x1880
Shelves	2(pcs)		3(pcs)	4(pcs)
Timing Range	0~9999min			
Alt Name	Forced Air Oven			

## APPLICATIONS

LED Microprocessor Controller (with timing function)

Provided for desiccation, torrefaction, wax-melting and sterilization in mining industry, laboratories and scientific research institutes.

# FORCED CONVECTION OVEN BER1E1 TO BER1E4

HORIZONTAL DRYING OVEN [ANTI-CORROSIVE TYPE]



1. Horizontal air type, high space utilization and good temperature uniformity.
2. SUS304 seal motor, Forced fan cooling intake structure, the maximum working temperature <507, so that the fan can run for a long time.
3. SUS316 inner chamber and shelves, ensure the Anti-corrosion.
4. New Anti-hot handle.

## SPECIFICATIONS

Model	BER1E1	BER1E2	BER1E3	BER1E4
Cycle Mode	Forced convection			
Function				
--Temp. Range	RT+10-250°C			
--Temp. Resolution Ratio	0.1°C			
--Temp. Motion	±1°C			
--Temp. Uniformity	±2.5%			
Structure				
--Inner Chamber	SUS316 stainless steel			
--Outer Shell	Cold rolling steel electrostatic spraying exterior			
--Insulation Layer	High quality rock wool board(with CE)			
--Heater	Stainless steel electric heating tube;			
--Power Rating	1.2kW	1.6kW	2.3kW	3.0kW
--Exhaust Hole	Φ35mm top(with function of test hole)			
Controller				
--Temp. Control Mode	Two temperature section PID intelligent			
--Temp. Setting Mode	Touch button setting			
--Temp. Display Mode	Measuring Temperature: Display on the upper row; Setting Temperature: Display on the lower row (LED)			
--Timer	0-9999min(with timing wait function)			
--Operation Function	Fixed temperature operation, fixed timing operation, auto stop.			
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory			
--Sensor	PT100			
Safety Device	Over temperature sound-light alarm;			
Specification				
--Inner Chamber size(W*L*H)(mm)	350*350*350	450*350*450	550*450*550	600*500*750
--Exterior Size (W*L*H)(mm)	652*472*587	752*472*687	852*572*786	902*622*986
--Packing Size (W*L*H)(mm)	745*605*745	845*605*850	945*705*950	955*755*1150
--Volume	43L	71L	136L	225L
--Max. Shelf Number	9	13	17	25
--Load Per rack	15kg			



--Shelf Space	25mm			
--Power Rating (50/60HZ)	AC220V/5.5A	AC220V/7.3A	AC220V/9.1A	AC220V/13.6A
--NW/GW (kg)	10/46	45/50	62/68	77/96
Accessory				
--Shelf	2			
--Shelf Frame	4			
Optional accessories	Shelves, Program Controller			
Alt Name	Horizontal Drying Oven [Anti-corrosive Type]			



## FORCED CONVECTION OVEN BER1DC1 TO BER1DC6

FORCED AIR DRYING OVEN



1. Horizontal air circularly by double Air ducts, high efficiency and high uniformity.
2. New anti-hot handle.
3. LCD temperature controller.
4. 4 grades speed fan (230 type without fan speed control function), adjustable for different requirements.
5. Over-temperature protection system.
6. High precision digital independent temperature limiter.

## SPECIFICATIONS

Model	BER1DC1	BER1DC2	BER1DC3
Cycle Mode	Forced convection		
Function			
--Temp. Range	RT+10-300°C		
--Temp. Resolution Ratio	0.1°C		
--Temp. Motion	±1°C		
--Temp. Uniformity	±2.5%		
Structure			
--Inner Chamber	SUS304		
--Outer Shell	SUS304		
--Insulation Layer	High quality rockwool board(with CE)		
--Heater	Stainless steel heater		
--Power Rating	0.8kw	1.2kw	1.6kw
--Exhaust Hole	Φ35mm top(with function of test hole)		

Controller			
--Temp. Control Mode	Two temperature section PID intelligent		
--Temp. Setting Mode	Touch button setting		
--Temp. Display Mode	Measuring temperature display on upper LCD screen, setting temperature display on the lower row		
--Timer	0-9999min(with timing wait function)		
--Operation Function	Fixed temperature operation, timing function, auto stop.		
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory.		
--Sensor	PT100		
Safety Device	Digital Independent Temp. limiter, Over temperature sound-light alarm.		
Specification			
--Inner Chamber Size(W*L*H)(mm)	310*310*310	350*350*350	400*360*450
--Exterior Size(W*L*H)(mm)	450*500*690	490*540*730	530*600*790
--Packing Size(W*L*H)(mm)	540*575*855	580*615*895	620*685*1000
--Volume	30L	45L	65L
--Max. Shelf Number	5	6	8
--Load Per rack	8kg		15kg
--Shelf Space	40mm		
--Power Rating (50/60Hz)	AC220V/3.6A	AC220V/5.5A	AC220V/7.2A
--NW/Gw (kg)	33/37	37/43	44/49
Accessory			
--Shelf	2		
--Shelf Frame	4		
Optional accessories	Spare shelf, RS485 interface, printer, Program controller, U-disk storage; 3.5 inch color touch screen temperature controller.		
Alt Name	Forced Air Drying Oven		
Model	BER1DC4	BER1DC5	BER1DC6
Cycle Mode	Forced convection		
Function			
--Temp. Range	RT+10-300°C		
--Temp. Resolution Ratio	0.1°C		
--Temp. Motion	±1°C		
--Temp. Uniformity	±2.5%		
Structure			
--Inner Chamber	SUS304		
--Outer Shell	SUS304		
--Insulation Layer	High quality rockwool board(with CE)		
--Heater	Stainless steel heater		
--Power Rating	2.0kw	2.3kw	3.0kw
--Exhaust Hole	Φ35mm top(with function of test hole)		Rear exhaust
Controller			
--Temp. Control Mode	Two temperature section PID intelligent		
--Temp. Setting Mode	Touch button setting		
--Temp. Display Mode	Measuring temperature display on upper LCD screen, setting temperature display on the lower row		
--Timer	0-9999min(with timing wait function)		
--Operation Function	Fixed temperature operation, timing function, auto stop.		

--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory.		
--Sensor	PT100		
Safety Device	Digital Independent Temp. limiter, Over temperature sound-light alarm.		
Specification			
--Inner Chamber Size(W*L*H)(mm)	450*420*540	500*450*550	600*500*750
--Exterior Size(W*L*H)(mm)	590*640*880	640*690*930	735*885*1115
--Packing Size(W*L*H)(mm)	680*685*1000	710*730*1105	857*885*1287
--Volume	85L	125L	230L
--Max. Shelf Number	8	11	17
--Load Per rack	15kg		
--Shelf Space	40mm	35mm	
--Power Rating (50/60Hz)	AC220V/9.0A	AC220V/10.5A	AC220V/13.6A
--NW/Gw (kg)	60/66	66/74	94/120
Accessory			
--Shelf	2		
--Shelf Frame	4		
Optional accessories	Spare shelf, RS485 interface, printer, Program controller, U-disk storage; 3.5 inch color touch screen temperature controller.		
Alt Name	Forced Air Drying Oven		



## FORCED CONVECTION OVEN BER1DE1 TO BER1DE6

CONSTANT-TEMPERATURE INCUBATOR



1. Unique vertical double duct supply horizontal air circularly.
2. 4 grades 3-speed adjustable speed fan (230 type without fan speed control function), LED running indicator light.
3. Over-temperature protection system: LED red light on meanwhile cut off heating circuit to improve product safety when workroom temperature exceeds the alarm value.
4. High precision digital independent temperature limiter.

## SPECIFICATIONS

Model	BER1DE1	BER1DE2	BER1DE3
Cycle Mode	Forced convection		
Function			
--Temp. Range	RT+5-120°C		
--Temp. Resolution Ratio	0.1°C		
--Temp. Motion	±1°C		
--Temp. Uniformity	±1.0°C		
Structure			
--Inner Chamber	SUS304		
--Outer Shell	Cold rolling steel electrostatic spraying exterior		
--Insulation Layer	High quality foam board		
--Heater	Stainless steel electric heating tube		
--Power Rating	0.4kW	0.5kW	0.7kW
--Exhaust Hole	Φ35mm top (with function of test hole)		
Controller			
--Temp. Control Mode	Two temperature section intelligent PID		
--Temp. Setting Mode	Touch button setting		
--Temp. Display Mode	Measuring temperature: LCD upper screen; setting temperature: LCD lower row		
--Timer	0-9999min (with timing wait function)		
--Operation Function	Fixed temperature operation, fixed timing function, auto stop.		
--Additional Function	Digital Independent temp. limiter, 4 grades 3 speed adjustable speed fan (230 without fan speed adjustor); Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory.		
--Sensor	PT100		
Safety Device	Over temp. sound-light alarm, Digital Independent temp. limiter		
Specification			
--Inner Chamber Size(W*L*H)(mm)	310*310*310	350*350*350	400*360*450
--Exterior Size(W*L*H)(mm)	460*510*695	500*550*735	550*590*840
--Packing Size(W*L*H)(mm)	540*575*855	580*615*895	635*625*995
--Volume	30L	45L	65L
--Max. Shelf Number	5	6	8
--Load Per rack	15kg		
--Shelf Space	40mm		
--Power Rating (50/60Hz)	220V/1.8A	220V/2.3A	220V/3.2A
--NW/GW (kg)	33/37	37/43	44/49
Accessory			
--Shelf	4		
--Shelf Frame	2		
Optional accessories	Shelf, U-disk storage, Printer, 3.5-inch color touch screen temperature controller.		
Alt Name	Constant-Temperature Incubator		
Model	BER1DE4	BER1DE5	BER1DE6
Cycle Mode	Forced convection		
Function			
--Temp. Range	RT+5-120°C		
--Temp. Resolution Ratio	0.1°C		

--Temp. Motion	±1°C		
--Temp. Uniformity	±1.0°C		
Structure			
--Inner Chamber	SUS304		
--Outer Shell	Cold rolling steel electrostatic spraying exterior		
--Insulation Layer	High quality foam board		
--Heater	Stainless steel electric heating tube		
--Power Rating	0.9kW	1.1kW	1.5kW
--Exhaust Hole	Φ35mm top (with function of test hole)		Rear exhaust
Controller			
--Temp. Control Mode	Two temperature section intelligent PID		
--Temp. Setting Mode	Touch button setting		
--Temp. Display Mode	Measuring temperature: LCD upper screen; setting temperature: LCD lower row		
--Timer	0-9999min (with timing wait function)		
--Operation Function	Fixed temperature operation, fixed timing function, auto stop.		
--Additional Function	Digital Independent temp. limiter, 4 grades 3 speed adjustable speed fan (230 without fan speed adjustor); Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory.		
--Sensor	PT100		
Safety Device	Over temp. sound-light alarm, Digital Independent temp. limiter		
Specification			
--Inner Chamber Size(W*L*H)(mm)	450*420*450	500*450*550	600*500*750
--Exterior Size(W*L*H)(mm)	590*610*830	636*680*915	735*835*1115
--Packing Size(W*L*H)(mm)	680*685*1000	710*730*1100	857*885*1287
--Volume	85L	125L	230L
--Max. Shelf Number	8	11	17
--Load Per rack	15kg		
--Shelf Space	40mm		
--Power Rating (50/60Hz)	220V/4.1A	220V/5A	220V/6.8A
--Nw/Gw (kg)	50/56	60/66	94/120
Accessory			
--Shelf	4		
--Shelf Frame	2		
Optional accessories	Shelf, U-disk storage, Printer, 3.5-inch color touch screen temperature controller.		
Alt Name	Constant-Temperature Incubator		

# FORCED CONVECTION OVEN BEV1B1 TO BEV1B6

## THERMOSTATIC DRYING OVEN

Thermostatic drying oven widely used in the drying process, sterilization, heated storage, heat treatment and other fields, I is laboratories' and research units' basic corollary equipment.

Thermostatic incubator apply for cultivation of microorganisms and other industries, is the necessary equipment for health care, biological, agriculture and scientific research experiments.

The thermostatic drying oven and thermostatic incubator all adopt the international advanced cavity preheating technology, to meet different temperature requirements, and provide a constant temperature environment, with the Pro-Insulation thermal insulation, to ensure the smooth progress of the experiment and culture of the sample.

IQ, OQ, PQ and other related certification services  
CE certification. Two-year warranty period.



### Cavity Warm-up Technology

The advanced cavity preheating technology is the heating elements evenly distributed around the inner chamber, pre-heating of the cavity inner wall, and then through the heat transfer and forced-fan convection, so that the cavity temperature of every point can accurately achieve and maintain setting value, thus ensuring uniform distribution of cavity temperature; Products because uniform distribution of heat, so low energy consumption, heat not easily lost. and enables customers to use cost reduction.

### Perfect Air Current Cycling

Air current cycling; perfect forced convection, minimum temperature recovery time after opening. reasonable air inlet and outlet duct design, equipped with internationally famous finned motor (no maintenance, high durability), ensure an ideal

## SPECIFICATIONS

Model	BEV1B1	BEV1B2	BEV1B3
Old Model	BODR-201	BODR-202	BODR-203
Convection Mode	Forced Convection		
Control System	Microprocessor PID		
Temp. Range (°C)	RT+5°C~250°C		
Temp. Accuracy (°C)	0.1		
Temp. Fluctuation (°C)	±1 (50~240°C)		
Temp. Uniformity (°C)	2% (50~240°C)		
Timer Range	0~99h, or 0~9999min, can be chose		
Working environment	Ambient temperature: 10~30°C, Humidity< 70%		
Insulation materials	Imported environmental protection type material		
External Dimensions (HxWxD) mm	570x580x593	670x680x593	770x780x693
Internal Dimensions (HxWxD) mm	350x350x350	450x450x350	550x550x450
Interior Volume (L)	40	70	130
Interior materials	SUS304 stainless steel inner		
Standard tray number	2		
Power (W)	770	970	1270
Supply voltage	Single phase AC220V/50Hz		
Net weight (KG)	40	48	65
Shipping weight (KG)	43	51	69
Packing size (HxWxD) mm	690x660x680	790x760x680	890x860x780
Alt Name	Thermostatic Drying Oven		
Model	BEV1B4	BEV1B5	BEV1B6

Old Model	BIGP-608	BIGP-609	BIGP-610
Convection Mode	Forced Convection		
Control System	Microprocessor PID		
Temp. Range (°C)	RT+3°C~65°C		
Temp. Accuracy (°C)	0.1		
Temp. Fluctuation (°C)	≤ ±0.5 (3~50°C)		
Temp. Uniformity (°C)	±1°C (3~50°C)		
Timer Range	0~99h, or 0~9999min, can be chose		
Working environment	Ambient temperature: 10~30°C, Humidity<70%		
Insulation materials	Imported environmental protection type material		
External Dimensions (HxWxD) mm	570x580x593	670x680x593	770x780x693
Internal Dimensions (HxWxD) mm	350x350x350	450x450x350	550x550x450
Interior Volume (L)	40	70	130
Interior materials	SUS304 stainless steel inner		
Standard tray number	2		
Power (W)	420	520	670
Supply voltage	Single phase AC220V/50Hz		
Net weight (KG)	40	48	65
Shipping weight (KG)	43	51	69
Packing size (HxWxD) mm	690x660x680	790x760x680	890x860x780
Alt Name	Thermostatic Incubator		



BEV1B1 BEV1B2 BEV1B3



BEV1B1 BEV1B2 BEV1B3



BEV1B1 BEV1B2 BEV1B3



BEV1B1 BEV1B2 BEV1B3



BEV1B4 BEV1B5 BEV1B6



BEV1B4 BEV1B5 BEV1B6



BEV1B4 BEV1B5 BEV1B6



BEV1B4 BEV1B5 BEV1B6

## ACCESSORIES FOR PURCHASE

No	Name
1	Portable printer
2	LCD touch screen controller
3	Software
4	Programmable multi-stage controller



1



2

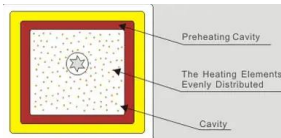


3

## FEATURES

### Cavity Warm-up Technology

The advanced cavity preheating technology is the heating elements evenly distributed around the inner chamber, pre-heating of the cavity inner wall, and then through the heat transfer and forced-fan convection, so that the cavity temperature of every point can accurately achieve and maintain setting value, thus ensuring uniform distribution of cavity temperature; Products because uniform distribution of heat, so low energy consumption, heat not easily lost. and enables customers to use cost reduction.



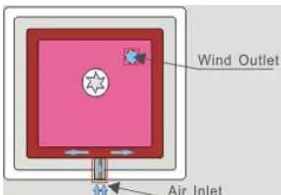
### Perfect Air Current Cycling

Air current cycling; perfect forced convection, minimum temperature recovery time after opening. reasonable air inlet and outlet duct design ,equipped with internationally famous finned motor (no maintenance,high durability), ensure an ideal result of samples culture.

Air current cycling: keep temperature continuous and stable. The wind speed can be adjusted, with a fan switch function, to ensure a perfect sample culture environment.



### Perfect Airflow Circulating System



### Air Inlet And Wind Outlet

### Programmable PID Control

Integrated, dot-matrix LCD display, Chinese and English subtitles, all the parameters can be clear at a glance

User-friendly design. Display parameters: temperature, air velocity, run time, run/stop.

Adaptive PID controllers precisely control the temperature, prevent temperature soaring, keep the working room temperature stable and uniform.

User password control, built-in multifunctional memory menu, connect to multiple devices (up to 16 units) by standard RS485 interface at the same time, real-time monitoring.

To meet customer needs, Time setting: 0-99h, 0-9999min

All set operations are recognized voice prompts, easy to operate.

Can use the remote control of computer software, professional supporting the operation programmable software (optional).





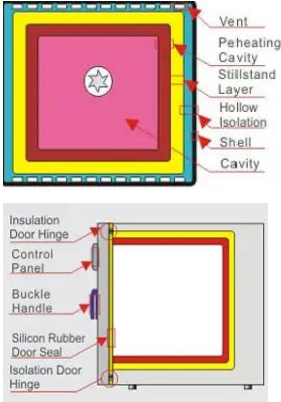
Software Monitor

Pro- Insulation Technology

Based on the effective use of heat as a concept, use complete isolation design between the liner and shell to avoid energy loss due to heat transfer.

Adopt Imported high-density thermal insulation material wrapped liner, effective heating insulation and stillstand.

Good silicone door seal, isolation type hinge design, equipped with buckle door handles, ensure excellent sealability.

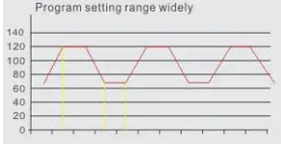


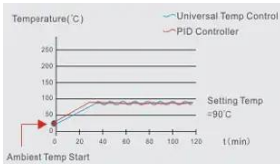
Excellent Imported Temperature Sensor

Imported industrial temperature sensor PT100, short response time, low self-heating temperature.



Pt100temperature Sensor





## FORCED CONVECTION OVEN BER1N1 TO BER1N8

500°C/600°C HIGH TEMPERATURE FORCED AIR DRYING OVEN



1. Colour LCD display, PID controller, ensure the temperature more accurate and stable.
  2. SUS316 stainless steel inner chamber, four-corner semicircular arc transition, shelf can be removed freely, easy to clean.
  3. Ceramic fiber door seal, high temperature resistant circulating fan, long-term high temperature operation, long service life.
- B:500°C  
BE:600°C

## SPECIFICATIONS

Model	BER1N1	BER1N2	BER1N3	BER1N4
Cycle Mode	Forced convection			
Function				
--Temp. Range	RT+20-500°C			
--Temp. Resolution Ratio	0.1°C			
--Temp. Motion	±0.5°C			
--Temp. Uniformity	0.025			
Structure				
--Inner Chamber	SUS316L			
--Outer Shell	Cold rolling steel electrostatic spraying exterior			
--Insulation Layer	Alumina Silicate Fibre			
--Heater	SUS304 Stainless steel electric heat tube			
--Power Rating	3.6kW	4.5kW	4.8kW	5.1kW
--Exhaust Hole	Φ35mm top(with function of test hole)			
Controller				
--Temp. Control Mode	Two temperature section PID intelligent			
--Temp. Setting Mode	Touch button setting			
--Temp. Display Mode	Measuring temperature display on upper LCD screen, setting temperature display on the lower row.			
--Timer	0-9999min(with timing wait function)			
--Operation Function	Fixed temperature operation, timing function, auto stop.			
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory			
--Sensor	High Precision K type			
Safety Device	Over temperature sound-light alarm;			
Specification	Two temperature section PID intelligent			

--Inner Chamber size(W*L*H)(mm)	350*350*400	450*450*450	500*500*600	570*620*595
--Exterior Size (W*L*H)(mm)	781*529*645	881*629*789	931*679*939	1001*799*934
--Packing Size (W*L*H)(mm)	901*649*845	1001*749*989	1051*799*1139	1121*919*1149
--Volume	50L	91L	150L	208L
--Max. Shelf Number	4	6	7	
--Load Per rack	15kg			
--Shelf Space	45mm			
--Power Rating (50/60HZ)	AC380V/5.5A	AC380V/6.8A	AC380V/7.3A	AC380V/7.7A
--NW/GW (kg)	44/54	60/75	80/95	110/125
Accessory				
--Shelf	2			
--Shelf Frame	4			
Optional accessories	Spare shelf,Program controller			
Alt Name	500°C High Temperature Forced Air Drying Oven			
Model	BER1N5	BER1N6	BER1N7	BER1N8
Cycle Mode	Forced convection			
Function				
--Temp. Range	RT+20-600°C			
--Temp. Resolution Ratio	0.1°C			
--Temp. Motion	±0.5°C			
--Temp. Uniformity	0.025			
Structure				
--Inner Chamber	SUS309S			
--Quter Shell	Cold rolling steel electrostatic spraying exterior			
--Insulation Layer	Alumina Silicate Fibre			
--Heater	SUS304 Stainless steel electric heat tube			
--Power Rating	3.6kW	4.5kW	4.8kW	5.1kW
--Exhaust Hole	Φ35mm top(with function of test hole)			
Controller				
--Temp. Control Mode	Two temperature section PID intelligent			
--Temp. Setting Mode	Touch button setting			
--Temp. Display Mode	Measuring temperature display on upper LCD screen, setting temperature display on the lower row.			
--Timer	0-9999min(with timing wait function)			
--Operation Function	Fixed temperature operation, timing function, auto stop.			
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locking, power-off parameter memory			
--Sensor	High Precision K type			
Safety Device	Over temperature sound-light alarm;			
Specification	Two temperature section PID intelligent			
--Inner Chamber size(W*L*H)(mm)	350*350*400	450*450*450	500*500*600	570*620*595
--Exterior Size (W*L*H)(mm)	781*529*645	881*629*789	931*679*939	1001*799*934
--Packing Size (W*L*H)(mm)	901*649*845	1001*749*989	1051*799*1139	1121*919*1149
--Volume	50L	91L	150L	208L
--Max. Shelf Number	4	6	7	
--Load Per rack	15kg			

--Shelf Space	45mm			
--Power Rating (50/60HZ)	AC380V/5.5A	AC380V/6.8A	AC380V/7.3A	AC380V/7.7A
--NW/GW (kg)	44/54	60/75	80/95	110/125
Accessory				
--Shelf	2			
--Shelf Frame	4			
Optional accessories	Spare shelf,Program controller			
Alt Name	600°C High Temperature Forced Air Drying Oven			



## FORCED CONVECTION OVEN BGI2G1 TO BGI2G10

### OVENS

#### Natural Convection Oven:

The high temperature drying oven provides a stable high temperature environment through precise temperature control, which enables drying and disinfection of glassware, solid objects, solid materials, process equipment, etc. In this type of oven the temperature distribution is based on warm air moving upwards (see diagram). There is no fan that actively distributes the air inside the chamber. The benefit of this technology is very low air turbulences for gentle drying and heating.



#### Humanized design:

With reservation and timing functions, there is no need to wait, which effectively improves the efficiency of the experiment.

Available in Chinese and English menus to meet different language needs, with degree C conversion.

The height of the shelf is adjustable to meet different cultivation needs.

Professional stacking foot design, the machine can be stacked, saving lab space and improving the use efficiency (same specification).

#### Safety:

Protection on instruments: Comply international standard secondary temp limiting alarm system, when the heating is out of control or exceeds the maximum limit temperature, the heating is automatically cut off with sound and light alarm, ens

## SPECIFICATIONS

Model	BGI2G1	BGI2G2	BGI2G3	BGI2G4	BGI2G5
Old Model	BOFC-5401	BOFC-5402	BOFC-5403	BOFC-5404	BOFC-5405
Type	Touch screen				
Capacity (L)	35L	59L	115L	234L	400L
Temp Range	RT+10°C - 200°C (MAX 300°C)				
Display Resolution	0.1°C				
Uniformity at 100°C	±2.0°C				
Heated to 100°C	25mins				
Standard Max number of shelves	2 (5)	2 (9)	2 (12)	2 (16)	3 (22)
Max load per shelf	20Kg				
NW	43Kg	51Kg	83Kg	112Kg	210Kg

Timing Range	1 - 5999mins				
Interior Dimension WxDxH (mm)	320x350x320	400x360x415	520x485x530	650x555x650	1000x560x800
Exterior Dimension WxDxH (mm)	610x550x540	690x560x640	810x685x755	940x750x875	1285x750x1060
Electrical Requirement	AC220V 50Hz				
Power Consumption	900W	1100W	2050W	2500W	3100W
Alt Name	Forced Air Oven				
Model	BGI2G6	BGI2G7	BGI2G8	BGI2G9	BGI2G10
Old Model	BOFC-5501	BOFC-5502	BOFC-5503	BOFC-5504	BOFC-5505
Type	LCD Controller				
Capacity (L)	35L	59L	115L	234L	400L
Temp Range	RT+10°C - 200°C (MAX 300°C)				
Display Resolution	0.1°C				
Uniformity at 100°C	±2.0°C				
Heated to 100°C	25mins				
Standard Max number of shelves	2 (5)	2 (9)	2 (12)	2 (16)	3 (22)
Max load per shelf	20Kg				
NW	43Kg	51Kg	83Kg	112Kg	210Kg
Timing Range	1 - 5999mins				
Interior Dimension WxDxH (mm)	320x350x320	400x360x415	520x485x530	650x555x650	1000x560x800
Exterior Dimension WxDxH (mm)	610x550x540	690x560x640	810x685x755	940x750x875	1285x750x1060
Electrical Requirement	AC220V 50Hz				
Power Consumption	900W	1100W	2050W	2500W	3100W
Alt Name	Forced Air Oven				

## FEATURES

### Humanized design:

With reservation and timing functions, there is no need to wait, which effectively improves the efficiency of the experiment.

Available in Chinese and English menus to meet different language needs, with degree C conversion.

The height of the shelf is adjustable to meet different cultivation needs.

Professional stacking foot design, the machine can be stacked, saving lab space and improving the use efficiency (same specification).

### Safety:

Protection on instruments: Comply international standard secondary temp limiting alarm system, when the heating is out of control or exceeds the maximum limit temperature, the heating is automatically cut off with sound and light alarm, ensure operating is safe without any accident.

Protection on key components: Key components are equipped with over-current, over-temperature, overload and other safety protection to prevent accident.

Protection on samples: When the temperature inside the box is higher or lower than the set temperature, the alarm will start to cut off the heater, with sound and light alarm to remind the operator to protect the sample from normal test without accident.

Protection on operator: The cabinet and door are specially insulated to make the surface temperature of the cabinet low, ensuring the operator's safety and no accidents.

Breakdown message provided: When the instrument breakdown, the message will shown on the screen to help operator clearly check.

### Convenient data processing:

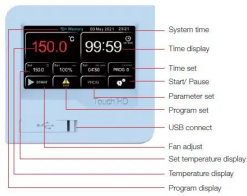
The touch screen type standard with a USB interface, which can record the change status of the temperature parameters.

The LCD screen is option for USB interface.

It can be equipped with RS232 data interface, which can realize remote control of the machine through software (option).

RS-232 and USB can be selected one of them.

Colorful intelligent touch screen:



Advanced Color Intelligent Touch Screen Control:

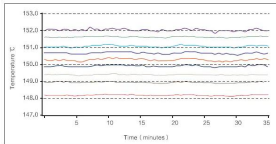
1. 4.3 inch touch screen, intelligent touch control, real-time display of parameters, simple and convenient operation.
2. Quick setting of temperature, time and other parameters can be carried out.
3. It has the function of program setting. It can be programmed in 7segments, 63 steps, 9 steps and 1-99 hours and 59 minutes per segment.



Professional LCD Controller:

1. Intelligent program control with high brightness LCD screen, button operation and real-time display of parameters.
2. Quick setting of temperature, time and other parameters can be carried out.
3. It has the function of program setting. It can be programmed in 7segments, 63 steps, 9 steps and 1-99 hours and 59 minutes per segment.

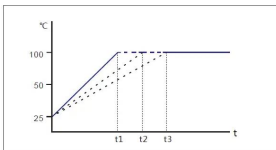
Precise temperature control:



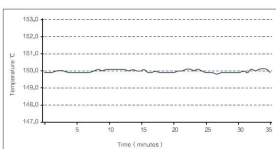
The uniformity of the temperature inside the drying chamber is  $\leq \pm 2$  degree C , so that all samples are heated evenly (Air forced )series.

The uniformity of the temperature inside the drying chamber is  $\leq \pm 2.5$  degree C , so that all samples are heated evenly (Natural Convection) series.

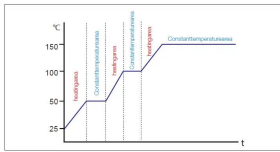
Note: The stability and uniformity are the result under steady state.



Program control mode, linear temperature rise control.



The temperature fluctuation inside the drying chamber is  $\pm 0.3$  degree C , which ensures the stability of the experiment.



Program control mode, Step heating control.



Temperature test hole:

1. External detection sensor can real-time detect the temperature inside the box through the test hole to ensure the accuracy of the temperature inside the box.



Exhaust regulator:

1. The size of the valve opening can be adjusted arbitrarily according to the actual situation.
2. Air valve adjustment can improve the ventilation efficiency of drying box and prevent excessive heat loss and also improve the uniformity of temperature.



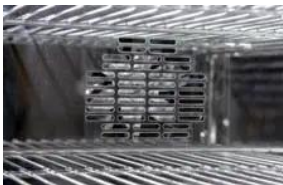
Energy saving design:

1. Comprehensive safety performance design to prevent high energy consumption. New synthetic silicon sealing strip is used to prevent heat loss and prolong the life of heating elements.
2. Compared with traditional equipment, thermal power is reduced by 25%.



Sample temperature detection:

1. Temperature sensors can be selected to monitor the temperature of samples in real time so as to make the temperature more real and reliable.
2. Control system linkage to achieve the purpose of automatic drying. (option)



Circulating Fan:

1. Forced convection fan, large impeller fan design, good temperature Uniformity. The fan power is multi-stage adjustable to provide the right airflow for you.
2. The fan power can be adjusted to improve the operation efficiency of the equipment and the service life of the motor. The service life of the motor can be increased by 30%.



Stainless steel inner liner:

1. 304 stainless steel, mirror polishing, strong anti-corruption ability.
2. Large arc angle design, no dead angle, easy cleaning and maintenance.



Professional anti-slid and anti-overturning shelf design:

1. Shelf has anti-inclination function to avoid falling off when shelf is pulled out.
2. Shelf has anti-lock function, the shelf will be locked when it is pulled out half, so as to avoid the loss caused by the direct slide of the shelf.

## FORCED CONVECTION OVEN BER1L1 TO BER1L10

BIG FORCED AIR DRYING OVEN



1. PID or program temperature control controller, with over-temperature alarm system.
2. Double doors ensure that use is convenient.
3. Forced air system, with Low-noise fan, centrifugal cycle method, high temperature uniformity.

## SPECIFICATIONS

Model	BER1L1	BER1L2	BER1L3	BER1L4	BER1L5
Cycle Mode	Fan - forced circulation				
Function					
--Temp. Range	RT+10-250°C		RT+10-300°C		
--Temp. Resolution Ratio	0.1°C				
--Temp. Motion	±1°C				
--Temp. Uniformity	±3%				
Structure					



--Inner Chamber	Iron inner chamber				
--Outer Shell	Galvanized sheet electrostatic spraying exterior				
--Insulation Layer	High quality rock wool board(with CE)				
--Heater	Stainless steel heating tube				
--Power Rating	6kW	6.6kW	9kW	12kW	15kW
--Exhaust Hole	On top or side				
Controller					
--Temp. Control Mode	PID intelligent control or Multi - segment programmable control ( optional )				
--Temp. Setting Mode	Touch button setting				
--Temp. Display Mode	LCD Digital Display				
--Timer	0-9999min (with timing wait function) )				
--Operation Function	Fixed temperature operation, timing function, auto stop.				
--Additional Function	Temperature deviation correction, menu locked, power-off memory				
--Sensor	PT100				
Safety Device	One key to start overheat power off				
Specification					
--Inner Chamber size(W*L*H)(mm)	800*800*1000	1000*1000*1000	1000*1000*1300	1200*1200*1300	1600*1200*1600
--Exterior Size (W*L*H)(mm)	940*1000*1400	1040*1200*1400	1230*1200*1670	1330*1400*1670	1750*1400*2070
--Packing Size (W*L*H)(mm)	1060*1090*1520	1260*1290*1520	1350*1300*1890	1550*1500*1890	1950*1500*1910
--Volume	640L	1000L	1300L	1870L	3070L
--Max. Shelf Number	11				12
--Load Per rack	30kg				
--Shelf Space	70mm		100mm		
--Power Rating (50/60HZ)	380V				
--NW/GW (kg)	200	260	350	480	800
Accessory					
--Shelf	2				
--Shelf Frame	No				
Optional accessories	Spare shelf, Program controller, RS485 interface, PrinterProducts of different specifications can be customized according to customer requirements.				
Alt Name	Big Forced Air Drying Oven				
Model	BER1L6	BER1L7	BER1L8	BER1L9	BER1L10
Cycle Mode	Fan - forced circulation				
Function					
--Temp. Range	RT+10-250°C		RT+10-300°C		
--Temp. Resolution Ratio	0.1°C				
--Temp. Motion	±1°C				
--Temp. Uniformity	±3%				
Structure					
--Inner Chamber	Stainless steel inner chamber				
--Outer Shell	Galvanized sheet electrostatic spraying exterior				
--Insulation Layer	High quality rock wool board(with CE)				
--Heater	Stainless steel heating tube				
--Power Rating	6kW	6.6kW	9kW	12kW	15kW

--Exhaust Hole	On top or side				
Controller					
--Temp. Control Mode	PID intelligent control or Multi - segment programmable control ( optional )				
--Temp. Setting Mode	Touch button setting				
--Temp. Display Mode	LCD Digital Display				
--Timer	0-9999min (with timing wait function) )				
--Operation Function	Fixed temperature operation, timing function, auto stop.				
--Additional Function	Temperature deviation correction, menu locked, power-off memory				
--Sensor	PT100				
Safety Device	One key to start overheat power off				
Specification					
--Inner Chamber size(W*L*H)(mm)	800*800*1000	1000*1000*1000	1000*1000*1300	1200*1200*1300	1600*1200*1600
--Exterior Size (W*L*H)(mm)	940*1000*1400	1040*1200*1400	1230*1200*1670	1330*1400*1670	1750*1400*2070
--Packing Size (W*L*H)(mm)	1060*1090*1520	1260*1290*1520	1350*1300*1890	1550*1500*1890	1950*1500*1910
--Volume	640L	1000L	1300L	1870L	3070L
--Max. Shelf Number	11				12
--Load Per rack	30kg				
--Shelf Space	70mm		100mm		
--Power Rating (50/60HZ)	380V				
--NW/GW (kg)	200	260	350	480	800
Accessory					
--Shelf	2				
--Shelf Frame	No				
Optional accessories	Spare shelf, Program controller, RS485 interface, PrinterProducts of different specifications can be customized according to customer requirements.				
Alt Name	Big Forced Air Drying Oven				

## APPLICATIONS

Large capacity industrial high precision drying oven to meet the requirements of military industry.



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