

Forced Air Drying Oven



BOV-V35FI/70FI/136FI/225FI



BOV-V640FI/960FI



BOV-V429FI

Features:

- * External material: cold-rolled steel with anti-bacteria powder coating.
- * Stainless steel inner chamber, round angle structure, adjustable shelves.
- * With glass observation window.
- * PID microprocessor intelligent temperature controller.
- * Over-temperature protection.
- * Optional independent temperature protector and RS485 for FI series.



BOV-V30F/ BOV-V45F/
BOV-V65F/ BOV-V125F



BOV-V230F



BOV-V625F

Technical Parameters:

Model	BOV-V30F	BOV-V35FI	BOV-V45F	BOV-V65F	BOV-V70FI	BOV-V125F
Capacity	30L	42L	45L	65L	71L	125L
Temp. Range	RT+10~300°C	RT+10~200/ 300°C	RT+10~300°C	RT+10~300°C	RT+10~200/ 300°C	RT+10~300°C
Temp. Precision	0.1°C					
Temp. Fluctuation	±1°C					
Ambient Temp.	5~40°C					
Timing Range	1~9999min					
Shelves No.	2 pcs					
Display	LED	LED	LED	LED	LED	LED
Consumption	800W	850/1600W	1200W	1600W	1550/2400W	2300W
Power Supply	Standard: AC220V±10%, 50/60Hz; optional: AC110V±10%, 60Hz					
Internal Size(W*D*H) mm	310*310*310	350*350*350	350*350*350	400*360*450	450*352*450	500*450*550
External Size(W*D*H) mm	460*510*695	630*630*552	500*550*735	550*550*840	735*630*652	636*680*915
Package Size(W*D*H) mm	550*580*770	725*690*685	620*585*805	640*640*905	815*690*775	725*735*1005
Gross Weight(kg)	34	60	39	47	85	58

Model	BOV-V136FI	BOV-V225FI	BOV-V230F	BOV-V429FI	BOV-V625F	BOV-V640FI	BOV-V960FI
Capacity	137L	240L	230L	420L	625L	600L	900L
Temp. Range	RT+10~200/ 300°C	RT+10~200/ 300°C	RT+10~300°C	RT+10~300°C	RT+10~300°C	RT+10~200/ 300°C	RT+10~200/ 300°C
Temp. Precision	0.1°C						
Temp. Fluctuation	±1°C						
Ambient Temp.	5~40°C						
Timing Range	1~9999min						
Shelves No.	3 pcs		2 pcs	2 pcs	3 pcs	3 pcs	
Display	LED	LED	LED	LED	LED	LED	LED
Consumption	2100/3000W	2500/4000W	3000W	3100W	5000W	6000W	7500W
Power Supply	Standard: AC220V±10%, 50/60Hz; optional: AC110±10%, 60Hz			Standard: 380V, 50Hz	220V, 50/60Hz	380V, 50/60Hz	
Internal Size (W*D*H) mm	550*454*550	600*495*750	600*500*750	640*585*1355	660*760*1250	800*800*1000	1000*800*1200
External Size (W*D*H) mm	835*730*752	885*780*952	730*670*1220	780*730*1780	895*925*1830	1157*975*1290	1357*975*1490
Package Size(mm)	955*705*955	965*840*1075	770*840*1420	890*890*2000	995*980*1980	1230*1050*1420	1430*1050*1620
Gross Weight(kg)	115	150	103.5	249	277	260	340

Washer Disinfector (Lab Automatic Glassware Washer)



BK-LW120



BK-LW220/320

Introduction:

The lab glassware washers integrate programmed cleaning, disinfecting and drying functions to clean all glassware stuff, for beaker, flask, pipette, petri dish, burette, measuring cylinder, test tube etc.

Features:

- * High efficient cleaning system, designed with European reliable pump, optimized spray arm and nozzles, and self-cleaning program;
- * Rapid and efficient drying system, designed with independent air heater, HEPA filter and drying process;
- * Water heating temperature can reach 99°C, while hot air drying temperature can reach 120°C;
- * Professional configuration design—stainless steel for corrosion resistance; reinforced glass window mounted to achieve a clear view on washing process;
- * PLC touch screen control with preset 12 programs and 99 customized programs
- * Safety protection—electronic security door lock to prevent unexpected door opening, water & drying air temperature dual control and equipped with emergency switch.

Standard Washing Procedure (can be self-designed by the user):

Pre-cleaning→Washing with cleaner→Rinse→Washing with neutralization→Rinse→Washing with hot water→Drying

All cleaning racks can be removed completely, convenient to washing rack pipeline:



Technical Parameters:

Model	BK-LW120	BK-LW220	BK-LW320
Capacity	120L	220L	320L
Water Consumption/Cycle	17L	20L	22L
Inlet Water Pressure	0.3~0.8Mpa		
Noise	≤50dB	≤55dB	
Material	Internal materia: SS316, Outer material: SS304		
Overall Power Consumption	6KW	6/17KW	
Power Consumption-Water Washing	0.75KW		1.5 KW
Power Consumption-Water Heating	5KW	5/15KW	
Power Consumption-Drying	3KW	3.6KW	
Power Supply	AC220V, 50Hz(Standard); 110V,60Hz(Optional)	AC220V, 50Hz; 380V, 50Hz(Standard); 110V,60Hz(Optional)	
Cleaning Racks	1 pcs	2 pcs	3 pcs
Standard Cleaning Racks	BKIR36*1	BKIR36*2	BKIR36*3
Standard Accessories	USB interface, One bucket RBS A 156 leaner (1 L), One bucket RBS A 375 neutralizer (1 L)		
Optional Accessories	Cleaning racks		
Washer Chamber Size(W*D*H)mm	600*629*465	600*629*690	600*629*820
External Size(W*D*H)mm	980*740*870	690*790*1820	690*790*1970
Package Size(W*D*H)mm	1060*940*1030	790*940*1990	790*940*2100
Gross Weight(kg)	203	300	320

Touch Screen Constant-Temperature Incubator

Features:

- * Large LCD touch screen.
- * D type: with inner glass door.
G type: with viewing window.
- * Microprocessor controller.
- * Stainless steel chamber.



Double-layer Door (D type)

Glass Viewing Window Door (G type)

Safety Functions:

- * Over temperature alarm.
- * Independent limit temperature alarm system.
- * Leakage current and over-voltage protector.

Standard Accessories:



Test port

Optional Accessories:



Base stand



Footmaster Caster



UV lamp

Technical Parameters:

Model	BJPX-H54BK(D/G)	BJPX-H88BK(D/G)	BJPX-H160BK(D/G)
Capacity	54L	88L	160L
Temperature Control Method	PT100		
Temperature Range	RT+5~85°C		
Temperature Stability	±0.5°C (at 37°C)		
Temperature Uniformity	±1°C (at 37°C)		
Ambient Temperature	5~30°C, recommend 25°C±2°C		
Timing Range	0~99.9h		
Shelves	2pcs/adjustable		
Power Consumption	345W		495W
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110±10%, 60Hz(Optional)		
Internal Size(W*D*H)mm	395*346*395	500*364*500	558*518*600
External Size(W*D*H)mm	D type: 536*588*681 G type: 522*626*587	D type: 650*573*793 G type: 627*621*692	D type: 718*732*890 G type: 685*779*790
Package Size(W*D*H)mm	D type: 606*648*818 G type: 592*676*724	D type: 720*630*930 G type: 697*671*829	D type: 788*792*1027 G type: 755*829*927
Gross Weight(kg)	D type: 51 G type: 44	D type: 65 G type: 51	D type: 89 G type: 69

Constant-Temperature Incubator

Features:

- * Large LED display, multiple groups of data to be displayed at a time; function of timing and over-temperature protection.
- * Two-layer toughened-glass observation window.



BJPX-H30/48/64/123II

BJPX-H230II

Technical Parameters:

Model	BJPX-H30II	BJPX-H48II	BJPX-H64II	BJPX-H123II	BJPX-H230II
Capacity	30L	45L	65L	125L	230L
Temp. Range	RT+5~80°C				
Temp. Fluctuation	±0.2°C				
Time Setting	1~9999mins				
Shelves	2 pcs/adjustable				
Consumption	150W	250W	500W	600W	700W
Power Supply	AC220V±10%, 50/60Hz(Standard); AC110±10%, 60Hz(Optional)				
Internal Size(mm)	310*310*310	350*350*350	400*360*450	500*450*550	600*500*750
External Size(mm)	460*510*695	500*550*735	550*550*840	636*680*915	730*670*1220
Package Size(mm)	550*570*765	620*585*800	640*640*905	730*720*1000	900*800*1350
Gross Weight(kg)	51	56	62	71	105

Pipette Stand

The round stand can be applied to the three major pipette series-TopPette, MicroPette and MicroPette Plus. It can stably and conveniently hang up to 6 single-channel and multi-channel pipettes at the same time.



The linear stand can be applied to the three major pipette series-TopPette, MicroPette and MicroPette Plus. It can stably and conveniently hang up to 6 single-channel and multi-channel pipettes at the same time.



The linear and round stands have been designed to fit perfectly of BIOBASE Pipette range, TopPette, MicroPette and MicroPette Plus Autoclavable Pipettes. The stands are convenient to hold up 6 pipettes both of single and multi-channel.

Ordering Information:

Cat. No	Descriptions
7030000084	Round stand holds up to 6 pipettes, fit of TopPette, MicroPette and MicroPette Plus
7030000085	Linear stand holds up to 6 pipettes, fit of TopPette, MicroPette and MicroPette Plus

Dispenser

DispensMate Bottle-Top Dispenser

Features:

- * Excellent chemical resistance
- * Fully autoclavable at 121°C
- * Easy to clean and maintain
- * Made of PTFE, FEP, BSG, PP
- * Four ranges of bottle-top dispenser cover a volume range from 0.5ml to 50ml
- * The optional flexible discharge tube with safety handle permits fast and precise dispensing
- * Vapor pressure Max. 500mbar, viscosity max. 500mm²/s, temperature max. 40°C, density max. 2.2g/cm³
- * DispensMate plus is supplied with S40, GL32, GL38, GL25, GL28 sized adapters



Technical Parameters:

Volume Range	Graduation	A \leq ±		CV \leq	
0.5-5ml	0.1ml	0.5%	25 μ l	0.1%	5 μ l
1.0-10ml	0.2ml	0.5%	50 μ l	0.1%	10 μ l
2.5-25ml	0.5ml	0.5%	125 μ l	0.1%	25 μ l
5.0-50ml	1.0ml	0.5%	250 μ l	0.1%	50 μ l

A = Accuracy; CV = Coefficient of variation.

Ordering Information:

Cat. No.	Volume Range	Cat. No.	Volume Range
Standard Accessories			
7032100101	0.5-5ml	17000069	S40, Adapter, 45/40mm
7030200102	1-10ml	17400017	GL32, Adapter, 45/32mm
7030200103	2.5-25ml	17400018	GL38, Adapter, 45/38mm
7032200104	5-50ml	17400019	GL25, Adapter, 32/25mm
		17400020	GL28, Adapter, 32/28mm
		17400021	Filling tube (m)
		17400073	Discharge tube (m)
Optional Accessories			
		17400037	Reagent Bottle (Brown, 1L)

Vertical Autoclave



Application Range:

There are 4 fixed programs and 1 DIY programs according to different sterilization objects such as wrapped or unwrapped instrument, rubber, dressing, etc.

Safety Features:

- * Over-temperature automatic protection device.
- * Over-pressure protection measures.
- * Door safety detection device.
- * Over-current and leakage safety protection.
- * Water shortage protection device.

Technical Features:

- * LED screen displays
- * Independent quick service window, easy for repairing and maintenance.
- * Audio and visual alarm: anti-dry burning, over-pressure protection, over-temperature protection, power safety protection.
- * Sterilization programs for wrapped or unwrapped instrument, rubber, dressing, etc.
- * Hand wheel translation type door opening, fast and labor-saving.
- * Using single-chip microcomputer control, heating, sterilization, exhaust, fully automatic control, without too much manual operation.
- * Adopt gravity displacement and positive pressure pulsation exhaust mode to discharge the load and cold air in the sterilization room.
- * The sterilization chamber and the sterilization basket are made of high-quality stainless steel SUS304, and the interior is polished.
- * Optional sterilization bucket.

Technical Parameters:

Model	BKQ-B50I	BKQ-B75I	BKQ-B100I	BKQ-B120I
Capacity	50L	75L	100L	120L
Chamber Size(mm)	φ386*515	φ386*695	φ386*875	φ386*1055
Chamber Material	S30408			
Designed Pressure	0.28Mpa			
Designed Temp	150°C			
Working Pressure	0.23MPa			
Working temp.	105~136°C			
Temp. Display accuracy	0.1°C			
Timing range	0~999min			
Dynamic Pulse Exhaust Times	0~9 times			
Dynamic Pulse Exhaust Temp.	105~134°C			
Consumption	3.7kW	3.7kW	4.1kW	4.1kW
Power Supply	AC110/220V±10%, 50/60Hz			
Standard SS Basket	1pc	2pcs	2pcs	3pcs
Basket Size(mm)	Φ365*360	Φ365*260*2pcs	Φ365*360*2pcs	Φ365*360*1pcs; Φ365*260*2pcs
External Size(W*D*H)mm	640*550*980	640*550*1080	640*550*1280	640*550*1380
Packing Size(W*D*H)mm	750*745*1100	750*745*1240	750*745*1450	750*745*1540
Gross Weight (kg)	102	115	123	135

Note: It is applicable to the altitude below 3,000m

Scanning UV/VIS Spectrophotometer

Features:

- * Environmental Deuterium lamp, preventing from Ozone inhalation
- * Socket-Type Deuterium lamp and Tungsten lamp
- * SiO₂ coating optical mirror, reduces the influence from outside
- * GLP self-check function:check the wavelength accuracy and Photometry accuracy, provide test report and power-off protection
- * Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically



Basic Functions:

- * **Photometry**
Test Abs., Transmittance and Energy by fixed wavelength.
- * **Quantitative**
Linear fit and Linear fit through zero two modes
a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
b. Establish $A=K1*C+K0$, can search original data, graph curve, parameters settings.
c. Can save 240 group curves, can test 240 data in each curve.
d. Double wavelength, Triple wavelength test functions.
- * **Kinetics**
Used for time course scanning or reaction rate calculations $\Delta A/t$, can search all data.
- * **Multi-Wavelength**
Can test Transmittance and Abs. with 8 different wavelengths at most.
- * **Scanning**
User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
- * **Biology**
DNA/Protein, (Optional: UV, Lowry, BCA, CBB and Biuret)

Technical Parameters:

Model	BK-S360	BK-S380	BK-S390
Optical System	Single Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	±0.3nm		
Wavelength Repeatability	≤0.2nm		
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.3% T (0~100% T)		
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.1% T (0~100% T)		
Stray Light	≤0.04% T @ 360nm; 220nm		
Stability	±0.001A/h @ 500nm		
Baseline Flatness	±0.0015A		
Noise	±0.0004Abs		
Display	65 thousand true color 7 inch TFT LCD (480*800)		
Photometric Mode	T, A, C, E		
Photometric Range	0~200% T, -0.301~3.0A		
Detector	Silicon Photodiode		
Light Source	Deuterium Lamp, Tungsten Lamp		
Input	Membrane Keypad		
Output	USB-A*2 Print and data output USB-B Connect PC		
Standard Accessories	1cm glass cuvette*4, 1cm quartz cuvette*2, 1cm quadruple cuvette holder, scanning software		
Optional Accessories	1cm standard single slot cuvette holder, long optical path cuvette holder, cuvette, micro cuvette, test tube type absorber rack, solid sample holder, deuterium lamp, tungsten lamp, quadruple cuvette holder, printer, four-slot water bath type constant temperature absorption pool, X-Y Adjustable Micro Absorption Pool, single bath type constant temperature absorption pool, program-controlled thermostatic absorption pool seat, 8 racks, reflection accessories		
Power Supply	AC110V/220±10%, 60/50Hz		
Package Size(W*D*H) mm	740*570*440		
Gross Weight(kg)	25		

Double Beam Scanning UV/VIS Spectrophotometer

Features:

- * Environmental Deuterium lamp, preventing from Ozone inhalation
- * Real-time monitoring the lifetime of Deuterium lamp and Tungsten lamp
- * Socket-Type Deuterium lamp and Tungsten lamp
- * GLP self-check function:check the wavelength accuracy and Photometry accuracy, provide test report and power-off protection
- * Wavelength calibration, wavelength setting, change lamp source and dark current calibration automatically
- * SiO₂ coating optical mirror, reduces the influence from outside



Basic Functions:

- * **Photometry**
Test Abs., Transmittance and Energy by fixed wavelength.
- * **Quantitative**
Linear fit and Linear fit through zero two modes
a. Coefficient, Standard Sample input and Standard Sample read three modes to establish standard curve.
b. Establish $A=K1*C+K0$, can search original data, graph curve, parameters setting
c. Can save 240 group curves, can test 240 data in each curve.
d. Double wavelength, Triple wavelength test functions.
- * **Kinetics**
Used for time course scanning or reaction rate calculations $\Delta A/t$, can search all data.
- * **Multi-Wavelength**
Can test Transmittance and Abs. with 8 different wavelengths at most.
- * **Scanning**
User can set the scan range from 190nm to 1100nm to test the max. Abs. peak value, can do derivation, arithmetical operations to the graph.
- * **Biology**
6 methods: DNA/Protein, UV, Lowry, BCA, CBB and Biuret.

Technical Parameters:

Model	BK-D560	BK-D580	BK-D590
Optical System	Double Beam, Grating 1200 lines/mm		
Wavelength Range	190~1100nm		
Spectral Bandwidth	1.8nm	1nm	0.5, 1, 2, 4, 5nm
Wavelength Accuracy	±0.3nm		
Wavelength Repeatability	≤0.2nm		
Photometric Accuracy	±0.002A (0~0.5Abs), ±0.004A (0.5~1.0Abs), ±0.3% T (0~100% T)		
Photometric Repeatability	0.001Abs (0~0.5Abs), 0.002Abs (0.5~1.0Abs), ≤0.2% T (0~100% T)		
Stray Light	≤0.04 T @ 360nm; 220nm		
Stability	±0.0003A/h @ 500nm		
Baseline Flatness	±0.0005A		
Noise	±0.0002Abs		
Display	65 thousand true color 7 inch TFT LCD(480 *800)		
Photometric Mode	T, A, C, E		
Photometric Range	0~200% T, -0.301~3.0A		
Detector	Silicon Photodiode		
Light Source	Deuterium Lamp, Tungsten Lamp		
Input	Membrane Keypad		
Output	USB-A*2 Print and data output USB-B Connect PC		
Standard Accessories	Scanning software, 1cm standard single slot cuvette holder, 1cm glass cuvette*4, 1cm quartz cuvette*2		
Optional Accessories	1cm standard single slot cuvette holder, long optical path cuvette holder, cuvette, micro cuvette, test tube type absorber rack, solid sample holder, deuterium lamp, tungsten lamp, quadruple cuvette holder, printer, four-slot water bath type constant temperature absorption pool, X-Y Adjustable Micro Absorption Pool, single bath type constant temperature absorption pool, program-controlled thermostatic absorption pool seat, 8 racks, reflection accessories, Scanning software		
Power Supply	AC110V/220±10%, 60/50Hz		
Package Size(W*D*H) mm	740*570*440		
Gross Weight(kg)	25		