IRIS ANALYTICAL

BATHS & CIRCULATORS

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Laboratory baths and circulators are essential instruments in order to perform a number of general lab applications such as defrosting, cooling/warming liquids, practical science demonstrations and experiments and temperature control of samples.

We offer a large selection of laboratory baths, including dry baths and water baths, all of which are designed to heat materials gently and gradually to a fixed temperature or keep materials warm over an extended period of time.

Our dry baths use dry heat to heat aluminium block inserts which then heat up samples, where as our water baths use water inside a chamber to heat samples as well as cool equipment and are available in unstirred, shaking and heated circulating models.

All of these units feature a bright digital display, intuitive controls and a durable construction all housed in a compact, space-saving design. With temperatures as low as -45°C up to +300°C , our laboratory baths allow for a safe, convenient and easy-to-use operation while maintaining exceptional temperature uniformity, stability and control.

Iris circulators are used successfully around the world. Whether in research, material testing or in production – the well proven and reliable technology is valued by users in all industries. By focusing on user requirements Iris has set the benchmark for temperature control technology. Whether you are faced with routine tasks or highly demanding applications with strict requirements, the Iris product line is certain to contain everything you need.

Refrigerated& Heating Circulators

The series of Refrigerated thermostatic bath has adopted the latest international advanced CFC-free refrigeration system.The main components used are imported and the performance is stable and reliable. It is widely used in research institutes, universities, corporate quality control departments and industrial sectors relating to petroleum, chem...

Refrigerated Bath BS-100 Series (-20.0? ~ 100.0?)

Feature

- LED Temperature display with resolution0.1˚C
- PID temperaturecontrol
- Temperature control of externalsystem
- Low noise during theoperation
- Removableventinggridforeasycleaningtomaintaincoolingfunction

Safety

- Adjustable high temperature cut-off by heatertemperature
- Dry runningprotection
- Waterlevelsensor(Option)
- Protection from excess electriccurrent

Application

- Measuringcells•Fomenters•Electrophoresischambers
- PolarimetersChromatographycolumns•Photometers•Evaporators•Viscometers

Model	BS-2004		BS-2008		BS-2012		BS-2020		BS-3508		BS-3512	
Capacity	4 L		8 L		12 L		20 L		8 L		12 L	
Working Temp Range	-20.0 to 100.0		-20.0 to 100.0		-20.0 to 100.0		-20.0 to 100.0		-35.0 to 100.0		-35.0 to 100.0	
Temperature Setting	0.1 ?											
Temp Stability ?	±0.02 ?											
Temp Uniformity ?	±0.1 ?											
Temperature Controller	PID Temperature Control											
? Heat Capacity	1000 W		1000 W		1400 W		1800 W		1000 W		1800 W	
Cooling Capacity (+20?)	180 W		260 W		380 W		800 W		150 W		800 W	
Pump Capacity Flow Rate	9 liter/min											
Pressure	0.35 bar											
Pump In/Out Diameter	10.9Ø											
Bath opening bath	9x9x15 cm		17x17.5x15 cm		25x17x15 cm		30x20.5x20 cm		17x17.5x15 cm		25x17x15 cm	
Dimensions	19x34.5x53 cm		22x38x54 cm		33x40.5x73.2 cm		38.5x45.5x78 cm		33x41x79 cm		38.5x45.5x78 cm	
Net Weight	22 kg		26 kg		37.2 kg		45.5 kg		37.2 kg		45.5 kg	
Electrical Requirement	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	10200505-1	10200505-2	10200510-01	10200510-02	10200515-01	10200515-02	10200520-01	10200520-02	10200525-01	10200525-02	10200530-01	10200530-01

Refrigerated Bath BP Series (-20.0? ~ 160.0?)

Feature

- Multi display(LED), resolution0.1˚C
- PID temperaturecontrol
- Temperature control of externalsystem
- Alarmsettingfunctionfortemperatureandtime
- Low noise during theoperation
- Removableventinggridforeasycleaningtomaintaincoolingfunction
- RS232interface(Option

Safety

- Adjustable high temperature cut-off by heater and bath temperaturesensor
- Dry runningprotection
- Protection from excess electriccurrent
- Waterlevelsensor(Option)

Application

- Measuringcells•Fomenters•Electrophoresischambers
- Polarimeters•Chromatographycolumns•Photometers•Rotaryevaporators•Viscometers

Model	BP-80		BP-120		BP-200		BP-300		BP-400		BP-500	
Capacity	8 L		12 L		20 L		30 L		30 L		30 L	
Working Temp Range	-20.0~160.0		-20.0~160.0		-20.0~160.0		-20.0~160.0		-20.0~160.0		-20.0~160.0	
Temperature Setting	0.1 ?											
Temp Stability ?	±0.02 ?											
Temp Uniformity ?	±0.1 ?											
Temperature Controller	PID Temperature Control											
? Heat Capacity	1000 W		1000 W		1800 W		1800 W		2000 W		2500 W	
Cooling Capacity (+20?)	380 W		450 W		680 W		1300 W		1550 W		1900 W	
Pump Capacity Flow Rate	14 liter/min											
Pressure	0.6 bar											
Pump In/Out Diameter	12.7Ø											
Bath opening	17x17.5x15 cm		25x17x15 cm		30x20.5x20 cm		30x31x22 cm		30x31x22 cm		30x31x22 cm	
Dimensions	22x39x59 cm		35x40.5x79 cm		38.5x45.5x84 cm		45x63x95 cm		45x63x95 cm		45x63x95 cm	
Net Weight	28 kg		36 kg		49 kg		87 kg		89 kg		91 kg	
Electrical Requirement	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	10201005-01	10201005-02	10201010-01	10201010-02	10201015-01	10201015-02	10201020-01	10201020-02	10201025-01	10201025-02	10201030-01	10201030-02

Water Baths

Digital water baths with easy to use temperature control and clear to read LED water temperature. Incorporated over temperature protection system that tracks the set temperature and controls the heater in the event of a fault. The heater is mounted underneath the tank to allow easy cleaning. Includes low level water sensor which cuts power to prevent the bath boiling dry. Incorporated drain for easy emptying of the bath. Minimum set temperature is 25°C.

Four robust and reliable water baths from 5L to 30L, each with easy to clean stainless steel tank and sturdy metal outer casing.

Bath covers are included as standard with each bath to help reduce heat losses and evaporation. The covers are manufactured from robust polycarbonate allowing full visibility of the bath contents.

1. External circulating function with the powerful circulating pump.
2. Control the optimum temperature with PID Auto-turning control function.
3. Excellent safety with waterless automatic shut off overheat protection.
4. Low noise level for the operation in a sealed space
5. Ideal for various of application needs wide range of temperature control
6. Choice of sizes: 5, 10, 20 or 30 Litres
7. Digital display and selection of temperature
8. Low level water sensor
9. Integral drain
10. Supplied with robust polycarbonate lid

Digital water baths with easy to use temperature control and clear to read LED water temperature. Incorporated over temperature protection system that tracks the set temperature and controls the heater in the event of a fault. The heater is mounted

underneath the tank to allow easy cleaning. Includes low level water sensor which cuts power to prevent the bath boiling dry. Incorporated drain for easy emptying of the bath. Minimum set temperature is 25°C.

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8. Low level water sensor
9. Integral drain
10. Supplied with robust polycarbonate lid

Circulating Water Bath WS Series

- Tank is using seamless stainless steel and outside body is powder painting

- Screen-touch panel, micro-computer PID digital display
- Overheat protector
- The water bath with circulator using electric heat tube to unify temperature inside
- Add exterior circulator as require
- The sensor is PT-100Ω
- Gable cover (AC-100) sold separately for your option.
- Heater of stainless steel
- External Circulating Pump is Available
- Heating circulator sold separately for your option
- Optional Water levelprotector
- Optional Timer

Model	WS-100		WS-200	
Capacity	10 L		20 L	
Range	Ambient +5?~100?			
Accuracy	±0.1?			
Control	PID Control			
Display	LED			
Inside Dimension	295 x 235 x 150 mm		495 x 295 x 150 mm	
Outside Dimension	340 x 280 x 310 mm		540 x 340 x 310 mm	
Net Weight	7 kg		9 kg	
Electrical Requirement	110V/60Hz	2220V/50Hz	110V/60Hz	2220V/50Hz
Catalogue No.	1051005-01	1051005-02	1051010-01	1051010-02

Unstirred Water Bath WB Series

- Tank is using seamless stainless steel and outside body is powder painting

- Screen-touch panel, micro-computer PID digital display
- Overheat protector
- The water bath with circulator using electric heat tube to unify temperature inside
- The sensor is PT-100Ω
- Gable cover (AC-100) sold separately for your option.
- Heater of stainless steel

Model	WB-100		WB-200	
Capacity	Ambient+5?~100?			
Range	±0.1?			
Accuracy	PID			
Control	LED			
Display	10L		20L	
Volume	295 x 235 x 150 mm		495 x 295 x 150 mm	
Inside Dimension	340 x 280 x 315 mm		540 x 340 x 315 mm	
Outside Dimension	8kg		12kg	
Net Weight				
Electrical Requirement	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	1050505-01	1050505-02	1050510-01	1050510-02

Circulating Water Bath WP Series

- LED Temperature display, resolution 0.1˚C

- Temperature control of external system
- PID temperature control
- Low noise during the operation
- Convenient to use on a table
- Cooling coil (Option)
- Adjustable high temperature cut-off by heater and bath temperature sensor
- Dry running protection
- Protection from excess electric current
- Water level sensor (Option)

Application

- Reactors
- Autoclaves
- Distillation apparatus
- Mini plant applications
- Photometers
- Refractometer
- Thermal Blocks

Model	WP-50		WP-100		WP-120		WP-200		WP-250		WP-300	
Capacity	5L		10L		12L		20L		25L		30L	
Range	Amb~100.0											
Accuracy	±0.1											
Pressure	0.3 bar											
? Heat Cap W	800		1000		1000		1400		1800		2000	
Pump Capacity Flow Rate	9 liter/min		-		-		-				-	
Bath Dimension	130x140x150 mm		230x140x150 mm		230x140x200 mm		270x340x150 mm		230x140x200 mm		3450x530x150 mm	
Dimension	170x320x360 mm		220 x320 x360 mm		220 x320 x360 mm		320x530x360 mm		320x530x360 mm		700x400x360 mm	
Net Weight	6		6.8		7		10.5		11		17.5	
Electrical Requirement	110V/60Hz	2220V/50Hz	110V/60Hz	2220V/50Hz	110V/60Hz	2220V/50Hz	110V/60Hz	2220V/50Hz	110V/60Hz	2220V/50Hz	110V/60Hz	2220V/50Hz
Catalogue No.	1051505-01	1051505-02	1051510-01	1051510-02	1051515-01	1051515-02	1051520-01	1051520-02	1051525-01	1051525-02	1051530-01	1051530-02

Dry Baths

Dry bath incubators are ideal for incubation and activation of cultures, enzyme reactions, blood urea nitrogen determinations, immunoassays, melting/boiling points, and a wide variety of other laboratory procedures. The economical, superb temperature control and compact dry bath incubators are designed for applications that require repeatable results and superior temperture stability.

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Dry Bath Incubator DR Series

Dry Bath Incubator DR Series

The Dry Bath Incubator is a microprocessor-controlled product using advanced thermoelectric technique. With this technique, more stable and accurate temperature control is achieved. Replacement is convenient with optional metal modules of various specifications configured for different types of test tubes.

Features for Dry Bath Incubator DR Series

- LCD display. It easy to setup and use
- Simultaneous display of set and actual time, temprature
- As it is equipped with various optional blocks
- Reliable design with inner extra temperature protection
- Heave of the block makes block change easy and convenient
- Temperature deflection adjusting meet with different demands
- Microprocessor controlled incubation time and temperature.
- Beep-signal / Stop after program completion

Digital Dry Bath Incubator DE Series

DE Series Dry bath incubator is ideal for incubation and activation of cultures, enzyme reactions, blood urea nitrogen determinations, immunoassays, melting/boiling points, and a wide variety of other laboratory procedures. The economical, superb temperature control and compact dry bath incubators are designed for applications that require repeatable results and superior temperture stability.

Dry Bath Incubator DF Series

DF Series Dry bath incubator is ideal for incubation and activation of cultures, enzyme reactions, blood urea nitrogen determinations, immunoassays, melting/boiling points, and a wide variety of other laboratory procedures. The economical, superb temperature control and compact dry bath incubators are designed for applications that require repeatable results and superior temperture stability.

The DF Series dry bath incubtor is an innovative design accommodating two blocks with independent ditital temperature controls. Each block can be set different temperatures - ideal for multiple users or applications where samples have to be transferred between two temperatures very quickly.

Dry Bath Incubator DH Series

The Dry Bath Incubator is a microprocessor-controlled product . With this technique, more stable and accurate temperature control is achieved.

Features

1. LED display
2. Current temperature and count down time display
3. Metal blocks free of sample counter-pollution
4. Easy replacement, cleaning and disinfecting of metal blocks
5. Built-in over-temperature protection
6. Calibrating temperature discrepancy
7. Buzzer alarm when temperature control ends
8. Only heating design and Custom blocks are available

Dry Bath Incubator DM Series

The DM Series are 3-in-1 mini dry bath incubator. It is a heating only incubator with 3 individually controlled mini dry bath. Many aluminum blocks are available covering a range of tube sizes from 0.2ml, 0.5ml, 1.5ml or 2.0ml tubes blocks.These are suitable for labs with heavy work load.

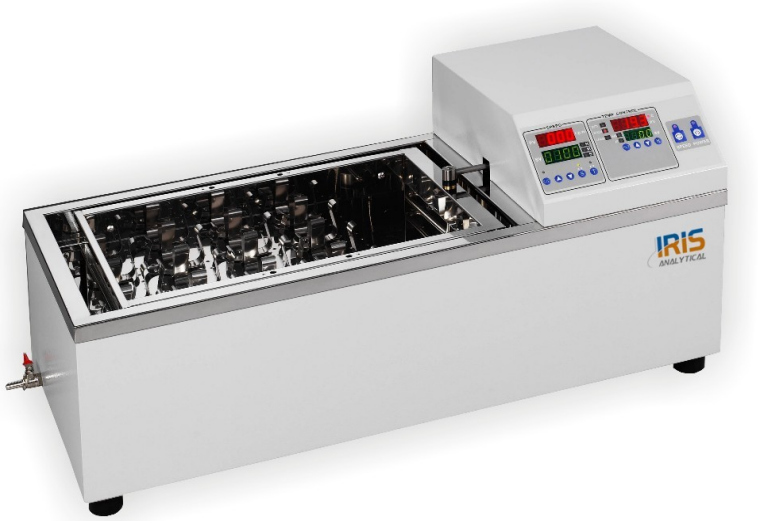
Dry Bath Incubator DS Series

DS Series Dry Bath Incubator is a microprocessor-controlled product using advanced thermoelectric technique. With this technique,more stable and accurate temperature control is achieved. Replacement is convenient with optional metal modules of variousspecifications config u red for diffe rent types of test tubes.

- Two madels available :Heat only (5℃~100℃) or Heat/Cool (-10℃~100℃)
- Exchangeable blocks .for different size if tube
- Simultaneous display of set and actual time.temprature
- Beep-signal/stop after program completion

Shaking Water Baths

The Iris Water Bath Shakers offers optimal convenience for the user with touch screen keypad with digital display the Temperature and speed. The SB-1000 Series shaking water baths are ideal for mixing and shaking samples at specific temperature from 0 ~ 100℃ in hybridization, bacterial culturing, cell aeration and molecular biology assays. The Iris shaking water baths is designed with Cutting-edge microprocessor technology and PID temperature control ensures optimal temperature stability in the water bath and suitable for continuous unsupervised operation.



Iris shaking water bath provide quiet, maintenance-free shaking under a precisely controlled and reproducible temperature environment. The SB-1000 is available in 21L, 35L or 45L with option of temperature range from 0 to 100℃ or Ambient+5℃ to 100℃ to accommodate flasks up to 5 litres. The bath tank and all parts that contact the bath liquid are made of high-quality stainless steel.

Ideal for chemistry, chemical engineering, cell culture, biological samples, yeast, soil extraction and general applications that requires stable and reproducible temperature and mixing condition.

- Microprocessor-controlled
- Temperature range from 0 to 100℃ or Ambient+5℃ to 100℃
- Accurate temperature control
- PID controlled speed and temperature with LED digital display
- Integrated Digital Control
- Integrated precision temperature control within ± 0.1℃ and reciprocal shaking motion from 20 ~ 120 rpm with a stroke length of 25 mm
- Dual digital LED display PV and SV value and selection of temperature, speed and time display.
- Temperature and shaking can be controlled together or independently with wait-off timer
- Acceleration and reduction speed rate is adjustable
- Over temperature cut-off, electrical leakage breaker
- Made with SUS 304 stainless steel body with powder coating
- Stainless steel tank
- Touch screen and digital display the Temperature and speed
- Overheat and over low protector
- Smooth and quiet shaking
- Sensor is using the PT-100Ω
- Shaking have timer function with 999,h/m/s
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- With drainage stopcock for easy cleaning
- Supplied with one set of clamps
- Corrosion resistant seamless stainless steel 304 (AISI304) internal bath gabled lid

Model	SB-1210		SB-1210R		SB-1350		SB-1350R		SB-1450	
Temp. Range (?)	Ambient+5?~100?		0~100?		Ambient+5?~100?		0~100?		Ambient+5?~100?	
Temp. Control	PID									
Temp. Display	LED									
Temp. Accuracy (?)	±0.1?									
Refrigerator	N/A		1/4 HP		N/A		1/4 HP		N/A	
Shaking Speed (rpm)	20~200									
Shaking Width (mm)	0.5"~1.5"(Adjustable)									
Volume (liters)	21 L		21 L		35 L		35 L		45 L	
Heater (W)	1200		1200		1600		1600		1200	
Shaking Plate WxD (mm)	300x250		300x250		400x300		400x300		450x290	
Inside Dimensions (WxDxH) mm	500x290x150		500x290x150		600x350x175		600x350x175		460*405*200	
Outside Dimensions (WxDxH) mm	710x350x330		710x350x630		820x400x340		820x400x500		740*530*450	
Net Weight (kg)										
Gross Weight (kg)										
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	1003005-1	1003005-2	1003010-1	1003010-2	1003015-1	1003015-2	1003020-1	1003020-2	1003025-1	1003025-2

Flask Capacity

Model	125ml	250ml	500ml	1000ml	2000ml	3000ml	5000
SB-1210/ SB-1210R	12	6	4	2	2	1	-
SB-1350/ SB-1350R	24	15	8	6	2	2	1
SB-1450	24	15	12	6	6	2	1

Waterbath Shakers SB-1000 Series

The Iris SB-1000 Series Water Bath Shakers offers optimal convenience for the user with touch screen keypad with digital display the Temperature and speed. The SB-1000 Series shaking water baths are ideal for mixing and shaking samples at specific temperature from 0 ~ 100℃ in hybridization, bacterial culturing, cell aeration and molecular biology assays. The SB-1000 Series shaking water baths is designed with Cutting-edge microprocessor technology and PID temperature control ensures optimal temperature stability in the water bath and suitable for continuous unsupervised operation.

The SB-1000 provide quiet, maintenance-free shaking under a precisely controlled and reproducible temperature environment. The SB-1000 is available in 21L, 35L or 45L with option of temperature range from 0 to 100℃ or Ambient+5℃ to 100℃ to accommodate flasks up to 5 litres. The bath tank and all parts that contact the bath liquid are made of high-quality stainless steel.

Ideal for chemistry, chemical engineering, cell culture, biological samples, yeast, soil extraction and general applications that requires stable and reproducible temperature and mixing condition.

- Microprocessor-controlled
- Temperature range from 0 to 100℃ or Ambient+5℃ to 100℃
- Accurate temperature control
- PID controlled speed and temperature with LED digital display
- Integrated Digital Control
- Integrated precision temperature control within ± 0.1℃ and reciprocal shaking motion from 20 ~ 120 rpm with a stroke length of 25 mm
- Dual digital LED display PV and SV value and selection of temperature, speed and time display.
- Temperature and shaking can be controlled together or independently with wait-off timer
- Acceleration and reduction speed rate is adjustable
- Over temperature cut-off, electrical leakage breaker
- Made with SUS 304 stainless steel body with powder coating
- Stainless steel tank
- Touch screen and digital display the Temperature and speed
- Overheat and over low protector
- Smooth and quiet shaking
- Sensor is using the PT-100Ω
- Shaking have timer function with 999,h/m/s
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- With drainage stopcock for easy cleaning
- Supplied with one set of clamps
- Corrosion resistant seamless stainless steel 304 (AISI304) internal bath gabled lid

Refrigerated Waterbath Shakers SB-1000R Series

The Iris SB-1000R Series Water Bath Shakers offers optimal convenience for the user with touch screen keypad with digital display the Temperature and speed. The SB-1000 Series shaking water baths are ideal for mixing and shaking samples at specific temperature from 0 ~ 100℃ in hybridization, bacterial culturing, cell aeration and molecular biology assays. The SB-1000R Series shaking water baths is designed with Cutting-edge microprocessor technology and PID temperature control ensures optimal temperature stability in the water bath and suitable for continuous unsupervised operation.

The SB-1000 provide quiet, maintenance-free shaking under a precisely controlled and reproducible temperature environment. The SB-1000 is available in 21L, 35L or 45L with option of temperature range from 0 to 100℃ or Ambient+5℃ to 100℃ to accommodate flasks up to 5 litres. The bath tank and all parts that contact the bath liquid are made of high-quality stainless steel.

Ideal for chemistry, chemical engineering, cell culture, biological samples, yeast, soil extraction and general applications that requires stable and reproducible temperature and mixing condition.

- Microprocessor-controlled
- Temperature range from 0 to 100℃ or Ambient+5℃ to 100℃
- Accurate temperature control
- PID controlled speed and temperature with LED digital display
- Integrated Digital Control
- Integrated precision temperature control within ± 0.1℃ and reciprocal shaking motion from 20 ~ 120 rpm with a stroke length of 25 mm
- Dual digital LED display PV and SV value and selection of temperature, speed and time display.
- Temperature and shaking can be controlled together or independently with wait-off timer
- Acceleration and reduction speed rate is adjustable
- Over temperature cut-off, electrical leakage breaker
- Made with SUS 304 stainless steel body with powder coating
- Stainless steel tank
- Touch screen and digital display the Temperature and speed
- Overheat and over low protector
- Smooth and quiet shaking
- Sensor is using the PT-100Ω
- Shaking have timer function with 999,h/m/s
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- With drainage stopcock for easy cleaning
- Supplied with one set of clamps
- Corrosion resistant seamless stainless steel 304 (AISI304) internal bath gabled lid

Oil Baths

The Iris Oil Bath is designed to provide excellent temperature uniformity and smooth working for various laboratory test procedures. Easy to adjust and operate. It reaches a maximum of 200ºC/300ºC and operates safely for all your samples. Digital Oil Bath is suitable for high temperature applications using oil as a thermal media up to 250°C such as heat transfer, dipping and melting experiment. Suitable to be used for the application i.e. reactors, distillation, refractometer etc.

- Multi display(LED), resolution 0.1℃
- Temperature control of external system
- PID temperature control
- Low noise during the operation
- Built-in cooling coil
- Alarm setting function for temperature and time
- Adjustable high temperature cut-off by heater and bath temperature sensor
- Dry running protection
- Protection from excess electric current
- Water level sensor(Option)

Model	OB-1212		OB-1312		OB-1226		OB-1326	
Volume	12L		12L		26L		26L	
Temperature Range	Amb~200.0?		Amb~300.0?		Amb~200.0?		Amb~300.0?	
Filling volume :	12 litres		12 litres		26 litres		26 litres	
Working temp. range	Amb ?~+200.0?							
Temperature setting	0.1?							
Temp. stability	±0.02?							
Temp. uniformity	±0.1?							
Temp. controller	PID temperature control							
Heat cap.	1800W		2000W		1800W		3000W	
Pump capacity Flow rate	14 l/min							
Pump Capacity Flow Rate (L/min)	14 L/min, 4M							
Pressure	0.6 bar							
Pump In/Out	12.7Ø							
Bath opening/Filling bath depth volume(W×D×H)(cm)	15×10×19.5				21 x 16 x 20			
Dimensions(W×D×H)(cm)	29×35×45				35 x 56 x 45			
Bath size(W×D×H)(cm)	20×30×19.5				29×50×19.5			
Weight (kg)	16				18			
External PT100 sensor								
Interface	RS232							
Net Weight	16 kg		16kg		18 kg		18kg	
Gross Weight								
Electrical Requirement	110V	220V	110V	220V	110V	220V	110V	220V
Catalogue No.								

Oil Bath OB-1000 series

OB-1000 series Oil Bath are designed to provide excellent temperature uniformity and smooth working for various laboratory test procedures. Easy to adjust and operate. It reaches a maximum of 200ºC/300ºC and operates safely for all your samples. Digital Oil Bath is suitable for high temperature applications using oil as a thermal media up to 250°C such as heat transfer, dipping and melting experiment.

- Multi display(LED), resolution 0.1℃
- Temperature control of external system
- PID temperature control
- Low noise during the operation
- Built-in cooling coil
- Alarm setting function for temperature and time
- Adjustable high temperature cut-off by heater and bath temperature sensor
- Dry running protection
- Protection from excess electric current
- Water level sensor(Option)

Application

- Reactors
- Autoclaves
- Distillation apparatus
- Mini plant applications
- Photometers
- Refractometer
- Thermal Blocks

Model	OB-1212		OB-1312		OB-1226		OB-1326	
Volume	12L		12L		26L		26L	
Temperature Range	Amb~200.0?		Amb~300.0?		Amb~200.0?		Amb~300.0?	
Filling volume :	12 litres		12 litres		26 litres		26 litres	
Working temp. range	Amb ?~+200.0?							
Temperature setting	0.1?							
Temp. stability	±0.02?							
Temp. uniformity	±0.1?							
Temp. controller	PID temperature control							
Heat cap.	1800W		2000W		1800W		3000W	
Pump capacity Flow rate	14 l/min							
Pump Capacity Flow Rate (L/min)	14 L/min, 4M							
Pressure	0.6 bar							
Pump In/Out	12.7Ø							
Bath opening/Filling bath depth volume(W×D×H)(cm)	15×10×19.5				21 x 16 x 20			
Dimensions(W×D×H)(cm)	29×35×45				35 x 56 x 45			
Bath size(W×D×H)(cm)	20×30×19.5				29×50×19.5			
Weight (kg)	16				18			
External PT100 sensor								
Interface	RS232							
Net Weight	16 kg		16kg		18 kg		18kg	
Gross Weight								
Electrical Requirement	110V	220V	110V	220V	110V	220V	110V	220V
Catalogue No.								

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