

Trust The Best



Made

In

Australia

Laboratory Instruments



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DRYING OVEN (Bench top)

• 0

Product Overview

Suitable for drying, barking and heat treatment of goods in laboratories of colleges and universities ,industrial and mining enterprises , medical and health units, research institute.

• 0

- 1. The shell is made of high quality cold plate, the surface is treated by spraying process treatment.
- 2. The studio is made of mirror stainless steel or galvanized plate by processing and manufacturing.
- 3. Intelligent digital display PID temperature control meter, with timing ,overtemperature alarm, temperature deviation correction, temperature control self-adjusting and other functions.
- 4. Stainless steel liner.
- 5. The fan is equipped with an independent switch, which the Feature of high temperature corrosion resistance, and can continuously work for a long time.
- 6. Power supply:220V 50HZ.
- 7. Temperature control range: room temperature +5-300°C,temperature fluctuation 1°C.
- 8. Constant temperature mode: relying on the fan and independent air flue, adopting forced convection





Model	DS-101-0BS	DS-101-1BS	DS-101-2BS		
Volume	42L	70L	136L		
(KW) Power(KW)	1	1.5	2		
Temperature range	RT+5-300°C				
Temperature resolution radio	1°C				
Temperature degree of fluctuations		±1°C			
Temperature degree of uniformity		±1°C			
Circulation mode		Forced convection			
Timing		0-999 minutes (Switchable hours)			
Display		Double row digital tube display			
Exhaust port	Diameter 40 mm(can be used test hole)				
Material of studio		stainless inner liner			
Heater		Stainless heating tube			
Alarm type		Over temperature sound illumination ala	ırm		
Multiple segment program control		Optional			
Temperature sensor		K type			
Inner size(mm)	350x350x350	350x450x450	450x550x550		
Appearance size(mm)	500x640x500	500x740x600	600x840x700		
Net weight/Gross weight (Kg)	29/30	36/38	62/65		
power supply		220V/50Hz			
Working environment temperature	5-50°C				



DRYING OVEN

• 0

Product Overview

Suitable for drying ,baking and heat treatment right dust ,powder etc. fear of wind of goods in industrial and mining enterprises, laboratories of colleges and universities, research institute, medical and health units.

• 0

- 1. The shell is made high quality cold plate by processing and shaping. The surface is treated by spraying process.
- 2. The studio is made of mirror stainless steel or galvanized plate by processing and manufacturing.
- 3. Intelligent digital display PID temperature control meter with timing, overtemperature alarm, temperature deviation correction, temperature selfadjusting and other functions.
- 4. Stainless steel liner.
- 5. Temperature control range :root temperature +5-300°C.
- 6. Power supply: 220V 50Hz.
- 7. Temperature fluctuation: ±1°C.
- 8. Constant temperature mode: nature convection.
- 9. Optional LCD meter.





Model	DS-202-0DS	DS-202-1DS	DS-202-2DS	DS-202-3DS	
Volume	42L	70L	136L	210L	
Power(KW)	1	1.5	2	3	
Temperature range		RT +	-10-300°C		
Temperature resolution radio			1°C		
Temperature degree of					
fluctuations			±1°C		
Temperature degree of					
uniformity			±1°C		
circulation mode		Nature	e convection		
Timing		0-999 minute	s(Switchable hours)		
Display	Double row digital tube display				
Exhaust port	Diameter 40 mm(can be used test hole)				
Material of studio	stainless inner liner				
Heater		Stainles	s heating tube		
Alarm type		Over temperature	sound illumination alarm		
Multiple segment program control		C	Optional		
Temperature sensor			K type		
Inner liner size(mm)	350×350×350	350×450×450	450×550×550	500×600×700	
Appearance size(mm)	500×470×670	520×570×770	620×670×870	650×720×970	
Net weight/Gross weight (Kg)	27/30	37/41	51/58	65/75	
Power	-	220	0V/ 50Hz	1	
Working environment temperature	5-50°C				



BOD INCUBATOR



Product Overview

This product Suitable for testing and production departments of environmental protection, health and epidemic prevention, livestock, drug testing, aquaculture and other scientific research institutes, is the special constant temperature equipment for water body analysis, measuring bacteria and mold by BOD, culturing and preserving microorganisms, cultivating plants and breeding.



- 1. Comply with the world trend of environmental protection, new fluoride-free design
- 2. Large LCD display, operation interface for multiple groups of data together, easy to understand, observe and operate
- 3. Using made of mirror stainless steel Quadrangular semicircle over-arc, partition bracket can be loaded and unloaded freely, easy to clean the studio
- 4. The box is equipped with a 40mm diameter test hole on the left side , the external power socket is provided as standard, arbitrary wiring can be arranged according to the need of the place
- The box can begin to oscillation culture in constant temperature once putting the oscillator in
- 6. Fuzzy PID controller, temperature control small precision fluctuation with timing function, the maximum time can be set to 9999 minutes
- 7. There is a lamp in the work room, easy to observe the experiment in the work room
- Brand compressor and circulation fan , unique circulation air flue design concept,to
 ensure uniform studio temperature, to avoid volatilizing samples due to excessive
 air volume during the experiment
- 9. The door is equipped with a hollow tempered glass observation window for easy to observe internal state of the instrument.
- Optional with functions such as 485 communication, USB interface, printer, leakage protection etc.



Model	DSX-80B	DSX-150B	DSX-250B	DSX-350B		
Volume	80L	150L	250L	350L		
Power(KW)	0.8	0.9	1	1.2		
Temperature range		0-60	D _C C			
Temperature degree of fluctuations		±0.5°C				
Temperature degree of uniformity		±1°	°C			
Temperature display accuracy	±0.1°C					
circulation mode		Breeze stirri	ing system			
display	LCD					
alarm type	Beep alarm					
compressor		Air-cooled enclos	sed compressor			
material of studio		304 stainl	ess steel			
temperature sensor		PT1	00			
Inner size (mm)	350x450x450	400x500x730	500x500x950	500x600x1100		
Appearance size(mm)	550x595x1040	610x640x1270	695x640x1490	700x740x1640		
Net weight/Gross weight (Kg)	56/60	71/76	75/80	154/160		
Layer number of partition	8	12	12	12		
Power supply		220V /	50Hz			



BOD INCUBATOR E-PRO SERIES



Product Overview

This product Suitable for testing and production departments of environmental protection, health and epidemic prevention, livestock, drug testing, aquaculture and other scientific research institutes, is the special constant temperature equipment for water body analysis, measuring bacteria and mold by BOD, culturing and preserving microorganisms, cultivating plants and breeding.



- 1. Comply with the world trend of environmental protection, new fluoride-free design
- touch screen LCD display operation interface for multiple groups of data together, easy to understand, observe and operate
- 3. Using made of mirror stainless steel Quadrangular semicircle over-arc, partition bracket can be loaded and unloaded freely, easy to clean the studio
- 4. The box is equipped with a 40mm diameter test hole on the left side, the external power socket is provided as standard,, arbitrary wiring can be arranged according to the need of the place
- 5. The box can begin to oscillation culture in constant temperature once putting the oscillator in
- 6. Fuzzy PID controller, temperature control small precision fluctuation with timing function, the maximum time can be set to 99 hours 59minutes
- 7. The studio is equipped with UV sterilization lamp for sterilization work in the laboratory.
- 8. Using brand compressor and circulation fan,unique circulation air flue design , to ensure uniform temperature in the studio, avoid volatilizing samples due to excessive air volume during experiment.
- 9. Built-in whole tempered glass door, for easy to observe internal state of the instrument.
- 10. Built-in leakage protector, with fault self-test function.
- 11. Timing setting, running time modify.
- 12. Temperature setting, Segment number 24 segment program running mode, temperature curve can be watched in real time.
- 13. Can save the history record, (month day, year), can view the history date data at will.
- 14. Print save, can view at the time in real time history record, also can export by USB history data.
- 15. EPR-30B optional inverter can be used as vehicle type.



Model	DSR-80B	DSR-150B	DSR-250B	DSR-350B		
Volume	80L	150L	250L	350L		
Power(KW)	0.8	0.9	1	1.2		
Temperature range		0-60°C				
Temperature degree of fluctuations		±0.5°C				
Temperature degree of uniformity			±1°C			
Temperature display accuracy			0.1°C			
Circulation mode		b	reeze stirring			
Display	Touch screen					
Alarm type	Beep alarm					
Compressor	Air-cooled enclosed compressor					
Material of studio		304	4 stainless steel			
Temperature sensor			PT100			
Inner size (mm)	350x450x450	400x500x730	500x500x950	500x600x1100		
Appearance size(mm)	550x595x1115	610x640x1345	695x640x1565	700x740x1715		
Net weight/Gross weight (Kg)	65/72	76/85	86/95	165/178		
Layer number of partition	8	12	12	12		
Power supply	220V/ 50Hz					



WATER BATH POT

ELECTROTHERMAL CONSTANT TEMPERATURE

• 0

- 1. Inner liner is made of stainless steel.
- 2. Temperature control system adopted microcomputer chip processor, high precision temperature control.
- 3. Easy to operate, with of functions such as timing setting, over-temperature alarm.
- 4. Auxiliary menu for over-temperature alarm, to achieve deviation correction.
- 5. Adjustable beaker hole.
- 6. Touch button setting, with functions such as over-temperature alarm, relay protection, temperature correction, timing etc. timing range 0-999 minutes.
- 7. Heating method: bottom heating, nature water convection heat transfer.
- 8. Optional LCD meter (with start-stop function)



Model	DS-2-4	DS-2-6	DS-2-8		
Name	Double rows four holes	Double rows six holes	Double rows eight holes		
Power(KW)	1	1.5	2		
Volume	12L	18.6L	22.6L		
Temperature range	RT+5-100°C				
Temperature degree of fluctuations	±0.5°C				
Temperature degree of uniformity	±0.5°C				
Cooling method	Nature cooling				
Inner size(mm)	305x305x130	470x305x130	600x290x130		
Appearance size(mm)	340x350x210	510x350x210	635x340x210		
Power supply	220V/ 50Hz				



BACTERIOLOGICAL INCUBATOR

BENCHTOP SERIES ELECTROTHERMAL

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Product Overview

Suitable for laboratories in industrial and mining enterprises, colleges and universities , medical and health units etc., for culture experiments of microorganisms and bacterial.

DARSUN

• 0

- 1. The shell is made of high quality cold plate by processing and shaping, the surface is treated by spraying process treatment.
- 2. The studio is made by mirror stainless steel or galvanized sheet by processing and manufacturing.
- 3. Constant Temperature mode: nature convection.
- 4. Stainless steel liner.
- 5. Temperature control range: in room ±5-60°C
- 6. Power by: 220V 50Hz.
- 7. Temperature fluctuation: ±0.5°C.
- 8. Intelligent digital display PID temperature control meter, with timing, overtemperature alarm, temperature deviation correction, temperature selfadjusting and other functions.



Model	DS-36BS	DS-40BS	DS-50BS	
volume	42L	70L	136L	
Power(KW)	0.4	0.5	0.6	
Temperature range		RT+5-60°C		
Temperature resolution radio		0.1°C		
Temperature degree of fluctuations		±0.5°C		
Temperature degree of uniformity		±0.5°C		
Circulation mode		nature convection		
Timing		0-9999 minutes (switchable hours)		
Display	double row digital tube display			
Exhaust port	Diameter 40 mm(can be used test hole)			
Material of studio	stainless inner liner			
Heater		stainless heating tube		
Alarm		over temperature sound illumination alarm		
Temperature sensor		CU50		
Multiple segments program control		optional		
Inner size(mm)	350x350x350	350x450x450	450x550x550	
Appearance size(mm)	500x470x670	520x570x770	620x670x870	
Net weight/Gross weight(Kg)	25/30	35/41	51/58	
Power Supply		220V/50Hz		
Worker environment temperature	5-50			



VACUUM DRYING OVEN

Product Overview

Widely used in biochemical and pharmaceutical, medical and health, agricultural research, environmental protection and other research. Used for powder drying ,baking ,disinfection and sterilization , and can be injected into the inert gas. Especially for drying heat sensitivity, easy decomposition, easy oxidation and complex components of the goods fast and efficient drying treatment.



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- 1. The vacuum environment greatly reduces the boiling point of the liquid which needs to be expelled, so it can be easily used for heat-sensitive substance.
- 2. For difficult samples, such as powder or other granular samples, the usage can effectively shorten the drying time.
- A variety of complex mechanical parts or other multi-spaces, after cleaning, vacuum drying method is used to dry completely without leaving any participating substance.
- 4. Safer to use and can completely eliminate the possibility of oxides encountering thermal explosions under vacuum or inert conditions.
- 5. Compared with ordinary drying box relying on air circulation, the powdered samples are not blown or moved by moving air.



Model	DSF-6020AB	DSF-6050AB	DSF-6090AB	
Volume	20L	50L	90L	
Power(KW)	0.3	1.4	2	
Temperature range		RT+10-200°C		
Temperature resolution radio		1°C		
Temperature degree of fluctuation		±1°C		
Degree of vacuum		≤133Pa		
Circulation mode		nature heat conduction		
Timing		0-999 minutes (switchable hou	rs)	
Display	double rows digital tube display			
Material of studio	stainless liner			
Heater		stainless heating tube		
Alarm type		sound illumination alarm		
Vacuum pumping method		manual		
Multiple segment program control		optional		
Temperature sensor		PT100	K type	
Inner size(mm)	300x300x275	370x415x345	450x450x450	
Appearance size(mm)	464x595x460	549x725x540	734x755x645	
Net weight/Gross weight (Kg)	46/50	72/76	92/97	
Power supply 220V/50Hz				
Working environment temperature	5-50			



ICE FLAKING MACHINE

Multiple options



• 0

- Compact design, Luxurious appearance.
- Adopted high-quality stainless steel outer skin, anti-corrosion and durable, independent of one structure, compact and simple, space-saving.
- 3. Cabinet insulation is CFC-free foam, fluorine-free antibacterial type inner, energy saving and environmental protection.
- 4. High efficiency CFC-free R134a compressor
- 5. Auto microcomputer control & running, easy to use.
- 6. Adopted Italian two-stage reducers, low noise, smooth and reliable operation.
- 7. Cooling holes and fans in the top of the machine to ensure reducer motor reliable operation under high temperature and harsh conditions
- 8. Small ice style and practical.
- 9. Tank float type water system to ensure that no residual water more than water, no de-icing process, absolute loss, the residual water, saving water and energy.
- 10. Ice full display, lack of water, too cold protection, fault warning display protective shutdown. The machine will automatically shut down by full/lack of water, automatically boot when the failure removed, with automatic memory & recovery function.
- 11. Small granular snow ice, designed for the laboratory.
- 12. Snow flake-shaped ice is widely used in hospitals, schools, laboratories, research institutes and other occasions as well as supermarket food preservation, fishing, cold storage, medical applications, chemical, food processing industry, a wide range of applications.
- 13. A power-overloading protecting device, water shortage auto-detecting system and ice storage full control device.

Model	DS-20	DS-40	DS-50	DS-85	DS-100	DS-130
Capacity(kg)/24h	20	40	50	85	100	130
lce storage(kg)	10	15	15	28	28	30
water consumption(L/H)	≤0.8	≤1.6	≤2.0	≤3.5	≤4.1	≤5.4
Condensation	wind cooling	wind cooling	wind cooling	wind cooling	wind cooling	wind cooling
Unit dimension(mm)	300x493x54 7	380×543×712	380X543X722	548X611X883	548X611X883	548X611X883
Packing dimension(mm)	377×571×59 5	457×621×760	457×621×770	625×690×932	625×690×932	625×690×952
NW(kg)	32	40	40	57	58	62
GW(kg)	36	45	45	62	64	68
Input Power(W)	180	280	280	420	420	478
Refrigerant	R134a	R134a	R134a	R134a	R134a	R134a



ULTRA PURIFIED WATER SYSTEM

PRIME S20

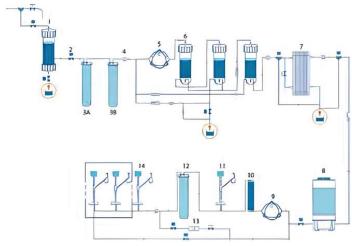


Product Overview

- @ All-in-one system for ASTM Type I & Type II water/Clinical laboratory reagent water (CLSI) @ Real on-line TOC analyzer with 185nm UV-lamp inside
- © EDI module imported
- © Dual wavelength UV-lamp 254nm & 185nm
- Two (Type I & Type II) remote water dispenser arms with touch screen display
 U-cloud platform for remote monitoring (Wifi module)
- © USB access port for data logging



Water Flow Chart



1 Pre-treatment module

3B Pre-guard cartridge B 6 RO membrane

9 Circulating pump 12 Ultra purification

cartridge 14 Type I water dispenser arm

2 Solenoid valve

4 Conductivity electrode 7 EDI module

10 UV lamp 185 &

13 Real on-line TOC analyzer

3A Pre-guard cartridge A

5 Booster pump

8 Water tank 11 Type II water dispenser arm

Main configurations	All-in-one system
Main configurations	PRIME S20
Pre-treatment module	YES
Main host	YES
Pre-guard cartridge A	YES
Pre-guard cartridge B	YES
Ultra purification cartridge A*	YES
Two-stage Reverse osmosis	YES
EDI module imported	YES
Pre purification cartridge A	NO
Pre purification cartridge B	NO
Dual wavelength (254nm & 185nm) UV-lamp	YES
Real on-line TOC analyzer	YES
Type I Remote water dispenser arm with touch screen display	YES
Type II Remote water dispenser arm with touch screen display	YES
2M water piping from main unit to water tank & water dispenser	YES
60L water tank of Type II water, stepless water level sensor	YES
254nm UV light of water tank	YES
Inlet air filter of water tank 0.2µm	YES
Water leakage protection sensor	YES
0.22 µm end filter	YES
Feed water requirements	
Source	Potable tap water
Conductivity	<2000µS/cm
TOC	<1ppm
Hardness*	<450ppm as CaCO3
Pressure	0.1~0.4MPa (7-72psi)
Temperature	5~45°C
PH .	4-10



ULTRA PURIFIED WATER SYSTEM PRIME S20

	All-in-one system
Main configurations	PRIME S20
Type II high purified water	
Resistivity at 25°C**	15MO.cm; typically 10 -15MO.cm
Conductivity at 25°C**	0.067μS/cm; typically 0.1μS/cm
TOC	<30ppb(µg/L)
Particulates with size > 0.22µm***	No particles
Endotoxin (Pyrogens)***	<0.001EU/mL
Bacteria***	<0.01cfu/mL (<10cfu/L)
Rnase***	<1pg/mL
Dnase***	<3pg/mL
Proteases***	<0.15µg/mL
RO rejection	≥99%
EDI ion rejection	≥99%
Production flow rate	20L/H
Manual control water flow rate	Maximum 2L/min, stepless control of flow rate
Quantitative water dispense range	0.01L ~ 60L
Type I ultra purified water	
Resistivity at 25°C	18.2MO.cm
Conductivity at 25°C	0.055µS/cm
TOC	≤2ppb(µg/L)
Particulates with size > 0.22µm	No particles
Endotoxin (Pyrogens)	<0.001EU/mL
Bacteria	<0.01cfu/mL (<10cfu/L)
Rnase/Dnase	Free
Proteases	<0.15µg/mL
Manual control water flow rate	Maximum 2L/min, stepless control of flow rate
Quantitative water dispense range	0.01L ~ 60L
Electrical requirement	
Electrical voltage	110V/220V ±10%
Electrical frequency	50Hz/60Hz
Power	<135W
Size information	
Net Weight	
Pre-treatment module	8.5kg
Main host	33.2kg
Water dispenser arm	5.2kg/unit
30L Water tank	9kg
60L Water tank	10.66kg
100L Water tank	12.2kg
External Dimension (WxDxH)	
Pre-treatment module	270x280x566 (mm)
Main host	328×520x540 (mm)
Water dispenser arm	490×270×790 (mm) /unit
30L Water tank	390x390x690 (mm)
60L Water tank	390x390x930 (mm)
100L Water tank	390x390x1235 (mm)
Packing information	
Gross Weight	
Pre-treatment module	9.8kg
Main host	44kg
Water dispenser arm	7.9kg/unit
30L Water tank	12.4kg
60L Water tank	14kg
100L Water tank	15.6kg
Packing Dimension (WxDxH)	750 750 670 /
Pre-treatment module	350x360x670 (mm)
Main host	510x670x750 (mm)
Water dispenser arm	840x530x290 (mm) /unit
30L Watertank	520x520x780 (mm)
60L Water tank	520x520x1020 (mm)
100L Water tank	520x520x1325 (mm)



ULTRA PURIFIED WATER SYSTEM

NEO U20

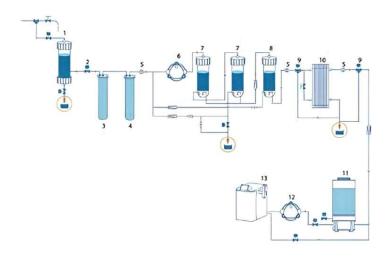


Product Overview

- O Integrated water dispenser arm
- O China made EDI self-developed
- © U-cloud platform for remote monitoring (Wifi module)
- O USB access port for data logging



Water Flow Chart



- 1. Pre-treatment module
- 4. Pre-guard cartridge B
 7. One-stage RO
- membrane
 10. EDI module
- 13. Type II water dispenser arm
- 2. Solenoid valve
- 5. Conductivity electrode 8. Two-stage RO
- membrane 11. Water tank
- 3. Pre-guardcartridge A6. Booster pump
- 9. TEE Solenoid valve 12. Circulating pump

Main configurations	All-in-one system
	NEO U20
Pre-treatment module	YES
Main host	YES
Pre-guard cartridge A	YES
Pre-guard cartridge B	YES
Pre purification cartridge A	NO
Pre purification cartridge B	NO
Two-stage Reverse osmosis	YES
EDI module self-developed	YES
60L water tank; stepless water level sensor	YES
254nm UV light of water tank	YES
Inlet air filter of water tank 0.2µm	YES
Water leakage protection sensor	YES
Dual wavelength (254nm & 185nm)UV-lamp	YES
TOC monitoring	YES
Ultra purification cartridge A	YES
One integrated type I water dispenser arm	YES
1M water piping from main unit to water dispenser arm	YES
0.22 µm end filter	YES
Feed water requirements	
Source	Potable tap water
Conductivity	<2000µS/cm
TOC	<1ppm
Hardness*	<450ppm as CaCO
Pressure	0.1~0.4Mpa (7-72psi)
Temperature	5~45°C



ULTRA PURIFIED WATER SYSTEM NEO U20

Model	All-in-one system
	NEO U20
PH	4-10
Type II high purified water	
Resistivity at 25°C**	15MO.cm; typically10-15MO.cm
Conductivity at 25°C**	0.067μS/cm; typically 0.1μS/cm
TOC	<30ppb(μg/L)
Particulates with size > 0.22µm***	No particles
Endotoxin (Pyrogens)***	<0.001EU/mL
Bacteria***	<0.01cfu/mL (<10cfu/L)
Rnase***	<1pg/mL
Dnase***	<3pg/mL
Proteases***	<0.15µg/mL
RO rejection	≥99%
EDI ion rejection	≥99%
Production flow rate	20L/H
Manual control water flow rate	Maximum 2L/min, stepless control of flow rate
Quantitative water dispense range	10mL~60L
Type I ultra purified water	
Resistivity at 25°C	18.2MO.cm
Conductivity at 25°C	0.055µS/cm
TOC	≤2ppb(µg/L)
Particulates with size > 0.22μm	No particles
Endotoxin (Pyrogens)	<0.001EU/mL
Bacteria	<0.01cfu/mL (<10cfu/L)
Rnase/Dnase	Free
Proteases	<0.15μg/mL
Manual control water flow rate	
	Maximum 2L/min, stepless control of flow rate 0.01L ~ 60L
Quantitative water dispense range	0.011 601
Electrical requirement	1101/2201/1101/
Electrical voltage	110V/220V ±10%
Electrical frequency	50Hz/60Hz
Power	<135W
Size information	
Net Weight	
Pre-treatment module	8.5kg
Main host with dispenser arm	30.8kg
30L Water tank	9kg
60L Water tank	10.66kg
100L Water tank	12.2kg
External Dimension (WxDxH)	
Pre-treatment module	270x280x566 (mm)
Main host	328×540×600 (mm)
Integrated dispenser arm	42×85.5×231.5 (mm)
30L Water tank	390x390x690 (mm)
60L Water tank	390x390x930 (mm)
100L Water tank	390x390x1235 (mm)
Packing information	
Gross Weight	
Pre-treatment module	9.8kg
Main host with dispenser arm	41.6kg
30L Water tank	12.4kg
60L Water tank	14kg
100L Water tank	15.6kg
Packing Dimension (WxDxH)	
Pre-treatment module	350x360x670 (mm)
Main host with dispenser arm	510x670x800 (mm)
30L Water tank	520x520x780 (mm)
60L Water tank	520x520x780 (IIIII) 520x520x1020 (mm)
100L Water tank	520x520x1020 (mm)
TOOL WATER LAIR	JEONJEONIJEJ (IIIIII)



SEMI MICRO / ANALYTICAL BALANCE

DSB4T (50g/0.01mg - 220g/0.1mg)



- 1. Electro Magnetic Force Compensation
- 2. Touch Screen
- 3. Percentage Weighing
- 4. Multiple weight unit
- 5. RS232C Interface
- 6. Piece Counting Function
- 7. Calibration with Internal weight
- 8. Date & Time Display on Screen



	MODEL	DSB4T	
	Max. (Capacity)	50 / 220g	
	Readability (d)	0.01mg / 0.1mg	
	Repeatability	0.02 / 0.2mg	
	Linearity (+)	0.04mg / 0.4mg	
	Min. (Capacity)	1mg	
	Make	DARSUN	
	Verification Scale Intervals (e)	1mg	
	Calibration	Motorized Internal Calibration	
	Class	Class I	
	Display	Touch Screen	
S	Response Time	4 - 6 Sec	
SPECIFICATIONS	Pan Size (mm)	90 mm Ø	
ĭ	Tare Range	Full	
CA	Operating Temperature	15oC to 30oC	
Ĕ	Sensitivity Drift (+)	2ppm / o C	
	Density	Function Available	
SPI	Data Output Mode Selection	Command & Continuous	
- *		Output	
	Key Sound	Yes	
	Weighing Chamber Height	210 mm	
	Unit	g, mg oz, ct, lb, ozt, dwt, GN,	
	Application Mode	PCS,%, Weighing, Animal	
		Weighing, Check Weighing,	
		Density, Statistics Weighing	
	Baud rate Options	1200, 2400, 4800, 9600	
	Interface	RS232C	
	Power Supply	AC 220V / 50-60 Hz	
	Dimension (LxWxH)	580 x 385 x 480mm	
	Weight	13 Kg	





ANALYTICAL BALANCES

DS X2



Product Overview

Advanced level' measurements, maximum operation comfort and countless display customization options



Communication interfaces



5" colour touch screen with customized keys layout





Parts counting

Dosing



Percent weighing

Statistics



Density determination



Under hook weighing











Ambient conditions measurement









Formulations

Checkweighing



Autotest

weighing



- 1. High Quality Measurements and Weighing Performance
- 2. Combination of easy operation and excellent weighing accuracy
- makes DS X2 balances an ideal solution for most of the demanding
- 4. applications in laboratory processes.
- 5. Excellent Weighing Parameters and Comfort of Operation
- Thanks to a clear and intuitive menu layout and 5" colour touch screen,
- 7. maximum comfort and incredibly easy operation are both ensured.
- 8. Customization via Widgets
- DS X2 software enables designing screen widgets layout. Display
- 10. customization allows you to run any selected function directly from the
- 11. home screen.
- 12. Numerous Options of Data Management
- 13. Extensive storage capacity enables record of all measurement data in a form of complex reports.

- 1. Second to None Repeatability and Compliance with USP
- DS X2 analytical balances feature the highest measurements accuracy,
- excellent repeatability and are compliant with USP requirements
- 4. (Chapter 41 and 1251).
- 5. Spacious Weighing Chamber
- 6. Large weighing chamber enables convenient operation using
- 7. laboratory vessels of different dimensions.
- 8. Touch-Free Operation
- 9. Two programmable proximity sensors can be assigned with any
- 10. function or application. The given function when assigned is both run and operated touch-free.



ANALYTICAL BALANCES

DS X2

Model	DS 60/220.X2	DS 82/220.X2
Maximum capacity [Max]	60 g / 220 g	82 g / 220 g
Minimum load	1 mg	1 mg
Readability [d]	0.01 mg / 0.1 mg	0.01 mg / 0.1 mg
Verification scale interval	1 mg	1 mg
[e]		
Tare range	–220 g	–220 g
Repeatability (5% Max)*	0.015 mg (Rt ≤ 3 g)	0.015 mg (Rt ≤ 5 g)
Repeatability (Max)*	0.1 mg	0.1 mg
Linearity	± 0.06 mg / ±0.2	± 0.06 mg / ±0.2 mg
_	mg	
Sensitivity temperature	1 × 10 ⁻⁶ / °C × Rt	1 × 10 ⁻⁶ / °C × Rt
drift**		
Minimum weight (U=1%,	3 mg	3 mg
k=2)		
Minimum weight (USP)	30 mg	30 mg
Stabilization time***	2 s	2 s
Adjustment	internal	internal
Verification	Yes	Yes
OIML Class	I	I
Display	5" capacitive	5" capacitive colour
	colour touch	touch screen
	screen	
Keypad	6 keys	6 keys
Protection class	IP 43	IP 43
Databases	7	7
Touch-free operation	2 programmable	2 programmable
	proximity sensors	proximity sensors
USB-A	1	1
USB-B	1	1
RS 232	2	2
Wireless connection	802.11 b/g/n	802.11 b/g/n
Ethernet	10 / 100 Mbit	10 / 100 Mbit
Power supply	12 ÷ 16 V DC	12 ÷ 16 V DC
Power consumption	4 W	4 W
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C
Atmospheric	40 ÷ 80%	40 ÷ 80%
humidity****		
Transport and storage	−20 ÷ +50 °C	−20 ÷ +50 °C
temperature		
Weighing pan dimensions	ø 90 mm open-	ø 90 mm open-
	work	work
	ø 85 mm standard	ø 85 mm standard
	(option)****	(option)*****
Weighing chamber	160 × 168 × 223	160 × 168 × 223 mm
dimensions	mm	
Weighing device	333 × 206 × 355	333 × 206 × 355 mm
dimensions	mm	
Net weight	5.3 kg	5.3 kg
Gross weight	7.3 kg	7.3 kg
Packaging dimensions	495 × 400 × 515	495 × 400 × 515 mm
	mm	

Model	DS 220.X2	DS 310.X2
Maximum capacity [Max]	220 g	310 g
Minimum load	10 mg	10 mg
Readability [d]	0.1 mg	0.1 mg
Verification scale	1 mg	1 mg
interval [e]		
Tare range	–220 g	-310 g
Repeatability (5% Max)*	0.07 mg (Rt ≤ 10 g)	0.07 mg (Rt ≤ 15 g)
Repeatability (Max)*	0.1 mg	0.15 mg
Linearity	± 0.2 mg	± 0.3 mg
Sensitivity temperature	1 × 10 ⁻⁶ / °C × Rt	1 × 10 ⁻⁶ / °C × Rt
drift**		
Minimum weight (U=1%,	14 mg	14 mg
k=2)		
Minimum weight (USP)	140 mg	140 mg
Stabilization time***	2 s	2,5 s
Adjustment	internal	internal
Verification	Yes	Yes
OIML Class		
Display	5" capacitive	5" capacitive
	colour touch	colour touch
	screen	screen
Keypad	6 keys	6 keys
Protection class	IP 43	IP 43
Databases	7	7
Touch-free operation	2 programmable	2 programmable
	proximity	proximity
LICD A	sensors	sensors
USB-A USB-B	1	1
RS 232	2	2
Wireless connection		_
Ethernet	802.11 b/g/n 10 / 100 Mbit	802.11 b/g/n 10 / 100 Mbit
Power supply	12 ÷ 16 V DC	12 ÷ 16 V DC
Power consumption	4 W	4 W
Operating temperature	+10 ÷ +40 °C	+10 ÷ +40 °C
Atmospheric	40 ÷ 80%	40 ÷ 80%
humidity****	40 : 00 /0	40 : 00 /0
Transport and storage	−20 ÷ +50 °C	−20 ÷ +50 °C
temperature	20. 30 0	20. 30 0
Weighing pan	ø 100 mm	ø 100 mm
dimensions		
Weighing chamber	160 × 168 × 227	160 × 168 × 227
dimensions	mm	mm
Weighing device	333 × 206 × 355	333 × 206 × 355
dimensions	mm	mm
Net weight	5.3 kg	5.3 kg
Gross weight	7.3 kg	7.3 kg
Packaging dimensions	495 × 400 × 515	495 × 400 × 515
	mm	mm



ANALYTICAL BALANCES DS R2 PLUS



Product Overview

Innovative design and system solutions for standard-class products



Communication interfaces



Large LCD display with text information section





Parts counting

Dosing



Percent weighing

Statistics

Animal

weighing



Density determination



Under hook weighing



Peak hold



procedures



Totalizing



Replaceable

measurement

Ambient conditions



Multilingual menu



Formulations

Checkweighing





Autotest

Product Features

Ergonomic Mechanical Design

Spacious weighing chamber and large open-door clearance allow easy access to the weighing pan and facilitate use of laboratory glassware of various sizes and dimensions. Improved aluminium base of the balance guarantees stability of the weihging system. DUAL-CLICK system facilitates tool-free disassembly and assembly of the weighing chamber. Locating the USB interface at the balance front makes it easier to communicate with peripherals.

Levelling System

Clearly visible levelling device located at the front of the weighing chamber facilitates level control.

Antistatic Weighing Chamber

Weighing chamber panes feature antistatic coating compensating electrostatic charges on the sample and accessories used for mass

*Antistatic coating has been applied in balances with the readability of d=0.01mg

Uncomplicated and Intuitive Operation

Large, easy-to-read LCD display offers not only a clear presentation of the weighing result, but also enables displaying messages related to the drying process as well as pictograms of active functions and working modes. Quick access keys located on the operation panel enable you to run a given function with just one click.

Data Management

DS R2 PLUS information system is based on operators, products, weighings and tares databases. All saved data can be analysed, exported, imported or exchanged between weighing instruments.

ALIBI Memory

Internal ALIBI memory guarantees safety and automatic record of measurements copies, it also offers possibility to preview, copy and archive data.

Kensington Lock

DS R2 PLUS balances are equipped with Kensington Lock, which allows to secure the device against theft.



ANALYTICAL BALANCES DS R2 PLUS

TECHNICAL SPECIFICATIONS				
	DS 110.R2 PLUS	DS 82/220.R2 PLUS	DS 220.R2 PLUS	DS 310.R2 PLUS
Maximum capacity	110 g	82 g / 220 g	220 g	310 g
[Max]	1109	82 g / 220 g	2209	310g
Minimum load	10 mg	1 mg	10 mg	10 mg
Readability [d]	0.1 mg	0.01 mg / 0.1 mg	0.1 mg	0.1 mg
Verification scale	1 mg	1 mg	1 mg	1 mg
interval [e]	_			
Tare range	−110 g	–220 g	–220 g	−310 g
Standard values				
Repeatability(5% Max)*	0.05 mg	0.012 mg	0.06 mg	0.07 mg
Repeatability(Max)*	0.06 mg	0.07 mg	0.07 mg	0.1 mg
Minimum weight (USP)	100 mg	24 mg	120 mg	140 mg
Minimum weight (U=1%, k=2)	10 mg	2.4 mg	12 mg	14 mg
Permissible values				
Repeatability(5%				
Max)*	0.07 mg	0.015 mg	0.08 mg	0.1 mg
Repeatability(Max)*	0.1 mg	0.1 mg	0.1 mg	0.15 mg
Linearity	± 0.2 mg	± 0.05 mg / ±0.2 mg	± 0.2 mg	± 0.3 mg
Stabilization time***	2 s	2 s	2 s	2.5 s
Adjustment	internal	internal	internal	internal
Verification	Yes	Yes	Yes	Yes
OIML Class	l les	l es	l les	ı es
Display	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)	LCD (with backlight)
Keypad	14 keys	14 keys	14 keys	14 keys
Protection class	IP 43	IP 43	IP 43	IP 43
Databases	5	5	5	5
USB-A	1	1	1	1
USB-B	1	1	1	1
RS 232	2	2	2	2
Wi-Fi® ****	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n	802.11 b/g/n
Power supply	12 ÷ 16 V DC	12 ÷ 16 V DC	12 ÷ 16 V DC	12 ÷ 16 V DC
Power consumption	3 W	3 W	3 W	3 W
Operating				
temperature	+10÷+40°C	+10 ÷ +40 °C	+10 ÷ +40 °C	+10÷+40°C
Atmospheric humidity****	40 ÷ 80%	40% ÷ 80%	40 ÷ 80%	40 ÷ 80%
Transport and storage temperature	−20÷+50°C	−20÷+50°C	−20 ÷ +50 °C	−20÷+50°C
Weighing pan	ø 100 mm	ø 90 mm open-work ø 85	ø 100 mm	ø 100 mm
dimensions		mm standard (option)*		
Weighing chamber	160 × 168 × 227 mm	160 × 168 × 227 mm	160 × 168 × 227 mm	160 × 168 × 227 mm
dimensions				
Weighing device dimensions	333 × 206 × 355 mm	333 × 206 × 325 mm	333 × 206 × 355 mm	333 × 206 × 355 mm
Net weight	5.3 kg	5.3 kg	5.3 kg	5.3 kg
Gross weight	7.3 kg	7.3 kg	7.3 kg	7.3 kg
Packaging dimensions	495 × 400 × 515 mm	$495 \times 400 \times 515 \text{mm}$	495 × 400 × 515 mm	$495 \times 400 \times 515 \text{mm}$



VERTICAL STEAM STERILIZER

DSL-G SERIES

• 0

Product Overview

Suitable for laboratories in industrial and mining enterprises, colleges and universities , medical and health units etc., for culture experiments of microorganisms and bacterial.

• 0

Product Features

- 1. Hand wheel translation and quick opening structure
- 2. High quality stainless steel material
- 3. Microcomputer automatic control, arbitrary setting sterilization parameters.
- 4. Safety interlocking device
- 5. Digital display and Touch buttons
- 6. Standard test interface
- 7. Self-expanding seal
- 8. With drying function
- 9. With automatic protection function:over temperature protection; over pressure protection; low water level protection; anti dry burning .
- 10. With stainless steel bucket or basket
- 11. Buzzer reminder after sterilization, automatic stop.
- 12. Automatic discharge of cold air, automatic steam exhaust after sterilization.
- Optional external printer
- * Optional automatic water



Multifuctional
Automatic With Drying

Model	DSL-35G	DSL-50G	DSL-75G	DSL-100G	
Volume	35 L	50 L	75 L	100 L	
Power	3.5 KW	3.5 KW	4.5 KW	4.5 KW	
Voltage	AC 220 V, 50 HZ				
Design Pressure	0.25MPa				
Design Temperature	139°C				
Rated working pressure	0.22 Mpa				
Rated working temperature	134 °C	134 °C			
Sterilization temperature	50 °C - 134 °C				
Sterilization time setting range	4 -120 min				
Drying time setting range	0 - 240 min				
Chamber volume (mm)	0 350 x 400	0 350 x 525	0 400 x 625	0 450 x 650	
Bucket dimension (mm)	0 330 x 320	0 330 x 460	0 380 x 560	0 420 x 540	
Basket dimension (optional)	0 320 x 350				
Outer dimension (mm)	498 x 498 x 940				
Packing size (L x W x H)(mm)	580 x 630 x 1130 580 x 630 x 1230 630 x 680 x 1290 690 x 650 x 1410				
Gross / Net weight	79 / 581% 106 / 80 kg 120 / 90 kg 133 / 106 kg				



VERTICAL STEAM STERILIZER

DSL-B SERIES

• 0

Product Overview

Suitable for laboratories in industrial and mining enterprises, colleges and universities , medical and health units etc., for culture experiments of microorganisms and bacterial.

• 0

Product Features

- 1. Hand wheel translation and quick opening structure
- 2. High quality stainless steel material
- 3. Microcomputer automatic control, arbitrary setting sterilization parameters.
- 4. Safety interlocking device
- 5. Digital display and Touch buttons
- 6. Standard test interface
- 7. Self-expanding seal
- 8. With drying function
- 9. With automatic protection function:over temperature protection; over pressure protection; low water level protection; anti dry burning .
- 10. With stainless steel bucket or basket
- 11. Buzzer reminder after sterilization, automatic stop.
- 12. Automatic discharge of cold air, automatic steam exhaust after sterilization.
- ** Optional automatic water



Digital Displayed Automatic Type

Model	DSL-35B	DSL-50B	DSL-75B	DSL-100B	
Volume	35 L	50 L	75 L	100 L	
Power	3.5 KW	3.5 KW	4.5 KW	4.5 KW	
Voltage	AC 220 V, 50 HZ				
Design Pressure	0.25MPa				
Design Temperature	139°C				
Rated working pressure	0.22 Mpa				
Rated working temperature	134 °C	134 °C			
Sterilization temperature	50 °C - 134 °C				
Sterilization time setting range	4 -120 min				
Drying time setting range	0 - 240 min				
Chamber volume (mm)	0 350 x 400	0 350 x 525	0 400 x 625	0 450 x 650	
Bucket dimension (mm)	0 330 x 320	0 330 x 460	0 380 x 560	0 420 x 540	
Basket dimension (optional)	0 320 x 350				
Outer dimension (mm)	498 x 498 x 940				
Packing size (L x W x H)(mm)	580 x 630 x 1130 580 x 630 x 1230 630 x 680 x 1290 690 x 650 x 1410				
Gross / Net weight	79 / 581% 106 / 80 kg 120 / 90 kg 133 / 106 kg				



VERTICAL STEAM STERILIZER

DSM-75



Product Overview

Suitable for laboratories in industrial and mining enterprises, colleges and universities , medical and health units etc., for culture experiments of microorganisms and bacterial.



Controller

Display Screen

Accessories details

Product Features

- Automatic protection function: over-temperature protection, over-pressure venting protection
- 2. After sterilization, the buzzer will remind and the machine will stop automatically
- 3. Microcomputer automatic control, arbitrary set sterilization parameters
- 4. Automatically discharge cold air and steam after sterilization
- 5. Hand wheel translation type quick opening door structure
- 6. Low water level protection to prevent dry burning
- 7. High quality stainless steel material
- 8. Equipped with standard test interface
- 9. FRP door cover anti scald protection
- 10. Stainless steel bucket (or net basket)

11. Digital display,	touch button			
Product Model		DSM-75		
Nominal working press	ure	0.22MPa		
Rated Functioning Ten	nperature	134°C		
Temperature Range		50~134°C		
Time Range		4~120min		
Rated voltage/frequen	су	AC220V/50Hz		
Rated power		4.5KW		
Net Capacity		75L		
Sterilization chamber [Dimension	Ø400X625		
Internal Dimension		Ø380X540		
Net Basket Dimension	(optional)	Ø360X280X2		
Net weight	KG	90		
	lbs	198		
Gross weight	KG	120		
	Lbs	264		
	LXWXH mm	525X525X1200		
Boundary Dimension	LXWXH In	20X20X47		
	LXWXH mm	630X680X1290		
Packing Dimension	LXWXH In	25X27X51		
(20'/40'/40'H)		27/54/108		
Container Load				
Interior material		SUS304		
Cabinet Type		Vertical(Open up)		
Ambient Temperature		5~40°C		
Heating Type		Electric heating tube		
Cold Air Removal Meth	od	Gravity displacement		
Water-Injection Method		Manual		
Drainage Method		Manual		
Door Opening Method		Handwheel horizontal opening		
Safety protection		Anti-dry burning, over-pressure protection, over-temperature		
		protection, over-current protection, sensor disconnection detection.		
Sensor Type		PT100		
C : "		N		

Microcomputer LED

Manual, tray, stainless steel inner tube, cover, vent tube









TABLE TOP STEAM STERILIZER

DSM-23

• 0

Product Overview

It is suitable for the sterilization of equipment, dressings, rubber. liquid, glassware, culture medium, waste and other items in medical and health and biomedical research departments at all levels such as pharmaceuticals, food universities, animal husbandry. disease control, and hospitals.



Product Features

- 1. Automatic protection function: over temperature protection; over pressure protection low water level protection, anti-dry burning, safety door lock
- 2. After sterilization, the buzzer will remind and the machine will stop automatically
- 3. Automatically discharge cold air and steam after sterilization
- 4. Built-in steam generator to quickly provide saturated steam.
- 5. High-quality stainless steel liner, sealed cover
- 6. Door lock safety interlock device
- 7. BD test, HELIX test, vacuum test
- 8. Equipped with standard test interface
- 9. Open top water tank
- 10. European Class B standard
- 11. Triple pulsation vacuum
- 12. LCD display, touch button
- 13. Microcomputer control





Product Model		DSM-23		
Nominal working pressure		0.22MPa		
Rated Functioning Temperature		134°C		
Temperature Range		115~134℃		
Tank Capacity		2.5L		
voltage/frequency		AC220V/50Hz		
Power		2200W		
Capacity		23L		
Sterilization	mm	Ø250*452		
chamber Dimension	In	Ø9.8*17.8		
Net weight	KG	53Kg		
	lbs	117		
	KG	60kg		
Gross weight	lbs	132		
Boundary Dimension	(LXWXH)mm	490*455*690		
	(LXWXH)In	19*18*27		
Packing Dimension	(LXWXH)mm	560x510x760		
	(LXWXH)In	22x20x30		
Container Load		120/240/270		
Cabinet Type		Horizontal (open forward)		
Ambient Temperature	е	5~40°C		
Heating Type		vapor generator		
Cold Air Removal Met	hod	Pulsation vacuum		
Water-Injection Meth	od	Automatic		
Drainage Method		Manual		
Door Opening Method	d	Manual		
Safety protection		Anti-dryburning, over-pressure protection, over-temperature		
		protection, over-current protection, sensor disconnection		
		detection.		
Sensor Type		PT100		
Controller		Microcomputer		
Display Screen		LCD		
Accessories details		Manual, instrument tray, instrument tray holder, door		
		adjustment wrench, drain pipe		
		• •		



Display panelDigital dynamic display, easy to operate



Stainless steel inner



y protection, automatic pressure relief



Water storage tank

built-in open water tank for easy cleaning, repeated operation and prompt of water shortage



GEL DOCUMENTATION SYSTEM (CLASSICAL)



• 0

- 1. UP to 20 Megapixels
- 2. Auto Focus
- 3. Real White LED transmission
- 4. Numeric Focus and Aperture

SPECIFICATION				
Model		DSH-510	DSH-520	
	Resolution	5Megapixels, 2592*1944	20Megapixels, 4800*4440	
Digital Camera	Dynamic Range	4.8OD		
	Pixel density	16bit(65536 Grey Scales)		
	Motorized Lens	F1.2 Motorized Lens		
Lens	Resolution	20 Megapixels		
	Control	Numeric Focus controlled via Sc	oftware	
	UV transmission	302nm as standard, Image Area : 21x26cm (Optional 254nm, 365nm)		
Light Source	White LED transmission	Real white LED transmission, Image Area:19x26cm		
	Optional Blue LED transmission	Optional Blue LED transmission, Image Area:19x26cm		
Filter system	Filter	Standard filter for gel doc application		
Software	Capture	SHSTCapture software		
Software	Analysis SHSTAnalysis software			



CO2 INCUBATOR DS-191CHX



Product Overview

The CO2 Incubator (DS-191CHX) is an air-jacketed, dry-wall insulation CO2 Incubator with temperature, CO2 concentration, and humidity functions. With this incubator, customers have the ability to visualize performance and data set on the DS-191CHX Remote Monitoring accessory and app.



- 1. Chamber HEPA air filtration provides class 100 purification
- 2. Infra-Red (IR) sensor precisely and reliably detects CO2 concentration
- 3. Easy sterilization process at 140°C dry heat
- Temperature controlled door prevents condensation and provides higher temperature stability and uniformity
- 5. Intuitive 7" hi-res capacitive touch screen
- 6. Includes 4 shelves (can hold up to 13)
- 7. Smart capabilities allow user to control CTI CO2 Incubator from a phone or tablet
- B. Visualize performance and changes over time with function performance graphs
- 9. Audible and visual alarms alert user if parameters fluctuate outside set ranges





Model	DS-191CHX	
Temp. Range	Room Temp. Plus 5°C ~ 60°C	
Capacity	191L	
Temp. Accuracy	0.1°C	
Temp. Uniformity	+0.3'c(@37'c)	
CO2 Sensor	IR	
CO2 Control	0~20%	
CO2 Control	0.1%	
Temp. recovery opens 30s	<6min (@37'C)	
CO2 recovery opens 30s	<6min (@5%)	
Humidity Method	RH Control	
Max. Humidity	Max. Humidity	
RH Control Range	Ambient Humidity +10%-90%	
RH Set Accuracy	1%	
RH Control Accuracy	1%	
RH Uniformity	+2%	
RH Sensor	Capacitive humidity sensor	
Disinfection	90°C Moist Heat Sterilization	
Door Open Direction	Rightward	
Display	7 Color Capacitance Touch Screen	
Touch Screen Type	Capacitance	
Screen auto-lock	Yes	
Screen auto-sleep	Screen sleeps after set inactive time	
Protect Set Parameters	Passwords Protect	
Data Display on Interface	In 7 Days	



ACCESSORIES DS-191CHX



CO2 Inlet HEPA Filter 1 Year Service Life Model: CIA15



Remote Monitoring for CO2 Incubator Model: CIA19



Shelves CO2 Incubator Model: CIA24



Chamber HEPA Filter 1 Year Service Life Model: CIA13



Caster Wheels Model: CIA28



CO2 Cylinder Pressure Regulator Model: CIA25

BENCHTOP EQUIPMENT COMPATIBLE



CO2 Resistant Mini Roller Model: DS-01UA/DS-03UA



CO2 Resistant Orbital Shaker Model: DSC-26M

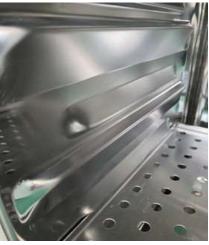


CO₂ INCUBATOR BCI SERIES

MODEL	DS-50Co2	DS-180Co2	DS-260Co2		
Temperature Control Method	Direct heat & Air Jacket				
Temperature Range	RT+3-60°C	RT+3-60°C			
Temperature Uniformity	<±0.25°C				
Temperature Accuracy	<0.1°C				
Temperature Recovery Time	<4 Mins				
Ambient Temperature Range	18-34°C				
CO2					
CO2 Range	0~20%				
CO2 Accuracy	± 0.1%				
CO2 Sensor	Infra-red (IR)				
CO2 Recovery Time*	<4 Mins	<4 Mins	<5 Mins		
Inlet Pressure	0.8-1.2 bar				
HUMIDITY					
Humidification Method	Humidity Pan				
Humidity Range*	High model: >90	% RH, Low mode	ls>80%RH		
CONTAMINATION					
Contamination method	Dry Heat				
Contamination Temperature	150°C				
Contamination Time	<10h				
Inlet Filter	<0.2µm				
Inner Filter	High temperature resistant HEPA filter, no need to remove during sterilization				
Heater	6 side heating				
Main Body		wder, antibacteria	al properties >99%		
PHYSICAL CONSTRUCTION		,			
Interior Volume	50L	185L	260L		
External dims (WxDxH)	500*635*690	685*820*870	745*820*1055		
Internal dims (WxDxH)	310*380*470	500*570*650	555*565*835		
Interior Material	Stainless Steel to				
Number of shelves	2	3	3		
Shelves Area	305*270 mm	496*440 mm	550*460 mm		
Maximum Load per Shelf	20kg				
Voltage	220-240VAC 50	/60Hz			
Maximum power consumption	500W	1200W	1500W		
Optional function	 i. Co2 Control 1-21% ii. Three inner doors or six inner doors iii. Lot module iv. Humidity Display v. Cylinder Switching vi. Removable base vii. Relief valve 				















LAMINAR AIR FLOW CABINET DS113 SERIES



Product Features

- 1. Vertical /Horizontal models.
- 2. Blower ensures noiseless operation.
- 3. Ultra low Vibration, Noise level not more than 65 db at 1 meter from face of the equipment.
- 4. Positive pressure built inside the chamber for complete protection of the product.
- 5. Air is drawn through Pre-Filter and is made to pass through high effective ULPA filters.
- 6. ULPA filter with particle retention of 0.1um and larger with an efficiency of 99.99%
- 7. The outer body of the cabinet is made of thick Mild Steel (G.I.) duly powder coated for lasting finish.
- 8. Internal chamber made of thick Stainless Steel 304 grade.
- 9. The working table made of heavy duty thick Stainless Steel 304 grade.
- 10. Smooth finish leak proof interior and exterior ensures no risk of cuts to the user or maintenance personnel.
- Manual Sliding front door with handles made of UV proof safety glass / Acrylic with trouble free mechanism of counter balanced weight.
- 12. Side panels made of UV proof safety glass / Acrylic.
- 13. Built in U.V. Germicidal light helps in killing of bacteria and other microorganism. With Interlock function UV lamp can only be switched on when the front window is closed ensuring operator safety.
- 14. Working area is illuminated by slim tube lights fitted to the unit.
- 15. High performance noise abated statically and dynamically balanced centrifugal blower units sized to generate adequate air flow volume over the entire surface of filter. Operates with minimum noise level and vibration.
- Height of the working table (2.5ft with base stand) provides comfortable "SIT DOWN" working position for the operator.
- 17. Suitable Leg Space to work freely.
- 18. Base stand with heavy duty lockable castor wheels for easy portability.
- 19. Supplied complete with cord & plug to work on 230VAC, 50Hz supply.

Model		DSB-1200V
Flow Type		Vertical
Voltage/Frequency	/(V /Hz)	AC 220/50
Power(W)		1200
Vibration Amplitud	le (UM)	2
Exhaust Filter Typical	Efficiency	HI3 HEPA, 99.99%@0.3um
Average Velocity	(M/S)	0.2-0.5
Fluorescent Lamp Inte	ensity(Lux)	2::300
Net/Gross Weight (approx)	kg	150/178
	lbs	330/392
Sound Level de	B(A)	62
Internal Dimensions (W*D*H)	mm	1300*516*520
	in.	51.2*20.3*20.5
External Dimensions (W*D*H)	mm	1370*611*1754
	in.	53.9*24.1*69.1
Packing Dimensions (W*D*H)	mm	1505*745*1280
	in.	59.3*29.3*50.4
Cleanliness Classif	ication	ISO 14644.1 Class 5
Container Load(20'/	40'/40'H)	10/25/25

MICROPROCESSOR BASED AUTOMATIC CONTROLLEI

Dedicated Microprocessor based controller with LCD display of values to ensure the user knows whether or not the cabinet is working under set operating conditions. Fitted in open able front panel for easy maintenance.

FEATURES:-

User friendly operation

Bright light LCD displays all parameter including date & time, UV/FL lamp on/off.

UV hour meter/ DOP Hepa filter testing

Separate Switches for fan, lights & UV light.

Air flow velocity Display

Built in UV timer helps in the decontamination by switching ON the UV tube for a certain time period (0-99 hrs.)



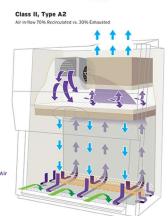


BIOLOGICAL SAFETY CABINET DS-IIA2 SERIES

Product Features

- User Friendly Ergonomic Design.
- Controlled Environment Particulate Free Product Protection. 2.
- 3. Work area surrounded by negative pressure, double wall plenums for protection.
- Aerodynamic designed airflow grille maintains safety by preventing blockage.
- Silent Vibration 5.
- Free Blower ensure noiseless operation. 6.
- 7. Sound level no more than 65 dbA.
- The Unit is suitable for CLASS 100 conditions. 8.
- 70% of the air is re-circulated through the HEPA filter.
- 10. The contaminated air is drawn by the blower through the plenum of the cabinet.
- 11. 30% of the air is exhausted from work area.
- 12. Filtered Exhaust protects ambient environment, and avoids build up, air borne particles.
- The exhaust of Safety Cabinet is connected to the Virus Burn out Unit for product and personnel protection.
- 14. Air is drawn through Pre-Filter and is made to pass through high effective HEPA (High Efficiency Particular Air) filters.
- 15. The efficiency of HEPA Filter is greater than 99.97% down to 0.3 micron.
- 16. Basic material is Electro-galvanized steel (G.I.) /Stainless steel (304/316 grade)/Wooden (as ordered).
- 17. Working table is made of Stainless Steel Sheet (SS-304 grade).
- 18. Window opens to 20cm±5mm working height with predefined locking device.
- 19. Built in U.V. Germicidal light
- 20. Facilitates sterilization of working area before and after use. Cock for gas, air or vacuum, (only 1 no.) is provided.
- 21. Working area is illuminated by fluorescent lighting fitted to the unit.
- The blower and motor assembly is statically and dynamically balanced of 1/5 H.P. capacity operates with minimum noise level.
- 23. Height of the working table provides comfortable "SIT DOWN" working position
- 2





24.	for the operator. Supplied complete with osupply.	cord & plug to work o	n Single Phase 220 /	→ c	EPA Filtered Air ontaminated Worksurface Air ontaminated Room Air ir Split				
	Model	DSC-600IIA2	DSC-1000IIA2	DSC-1300IIA2	DSC-1600IIA2				
	Cleanliness Level		HEPAISO 4	(Class 10 Cleanroom)					
	SupplyAirVelocity(m/s)		C	0.33±0.025					
	InflowAirVelocity(m/s)		0.53±0.025						
	Noise(dB)		≤67						
	VibrationSemi-PeakValue(µm)			≤5					

Noise(dB)	≤67								
VibrationSemi-PeakValue(μm)		≤5							
Voltage/Maximum Power Consumption		AC 220	OV/50Hz/0.8kW						
PersonnelBiosecurity&Protection		lmpact sampler ≤ 10 CFU/Slit sampler ≤ 5 CFU							
ProductBiosecurity&Protection	Petridishsamples≤5 CFU								
Cross-Contamination Protection	Petridishsamples ≤2 CFU								
WorkingAreaDimensions(mm)	600×500×520	1000×520×640	1300×520×640	1600×520×640					
OverallDimensions (mm)	740×650×1850	1165×760×2200	1465×760×2200	1765×760×2200					
Illumination(LX)			≥800						
Weight(kg)			110						
NumberofOperators			1						
DraftDirection			Тор						



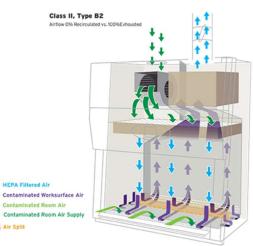
BIOLOGICAL SAFETY CABINET

DS-IIB2 SERIES

• (

- 1. Confirms the Air cleanliness standard ISO 14644-5 (Class 100)
- 2. Free Blower ensures noiseless operation.
- 3. Sound level no more than 60 decibel ± 5%.
- 4. Microprocessor controlled, Class II Bio Safety Cabinet (Type B2)
- 5. All contaminated air paths remains in negative pressure.
- The exhaust plenum remains under negative pressure & hard ducted to the outside environment.
- 7. Ergonomically angled supply filter to match cabinet profile for down flow uniformity.
- 8. Main Supply & Exhaust filter Mini pleat HEPA filter with particle retention 99.99% for 0.3 micron particles.
- Robust construction outer body made of Electro galvanized steel duly powder coated.
- 10. Working chamber is made of stainless steel 304.
- 11. Single piece removable stainless steel 304 perforated working surface.
- Smooth finish interior and exterior ensures no risk of cuts to the user or maintenance personnel.
- 13. Stand with lockable castor wheel for easy movement.
- 14. The front vertical sliding sash made of transparent toughened glass (5-mm thickness) with smooth counter balanced drive.
- 15. Built in "PHILIPS / OSRAM" U.V. Germicidal light helps in killing of bacteria and other microorganism.
- 16. Working area is illuminated by bright uniform Fluorescent light (1x40W).
- 17. Duly dynamically balanced highly efficient centrifugal blower with 0.25 HP Electric Motor Mounted on anti vibration pad 1440rpm motor unit sized to generate adequate air flow volume over the Filter.
- 18. Height of the working table provides comfortable "SIT DOWN" working position for the operator.
- 19. Gas tap-one towards the back of the cabinet.
- 20. Magnehelic gauge for pressure monitoring.
- 21. 2 Nos-15/5A electrical outlets inside the work space.
- 22. Supplied complete with cord & plug to work on 220-240VAC, 50Hz supply.





MODEL NO	DS-1000-IIB2	DS-1300-IIB2	DS-1600-IIB2				
Cleanliness level	HEPA: ISO Class 4 (Class10)						
Supply air velocity		0.33 \pm 0.025m/s					
Inflow air velocity		0.53±0.025m/s					
Noise		≤67dB					
Vibration semi-peak value		≤5µm					
Power / Maximum power consumption	AC 220V / 50HZ / 1KW						
Biosecurity personnel protection	All impact sampler samples CFU \leq 10, Slit sampler CFU \leq 5						
Product protection	All petri dish samples CFU≤5						
Cross-contamination protection	All petri dish samples CFU≤2						
Dimension of working area	1000x520x640 mm	1300x520x640 mm	1600x520x640 mm				
Overall dimension	1165x760x2200 mm	1465x760x2200 mm	1765x760x2200 mm				
Illumination		≥900LX					
Weight		240kg					
Number of Operator		Single					
Draft direction	Тор						



BENCH TOP FREEZE DRYER

DSFD SERIES

• 0

Product Overview

Darsun freeze dryer is specialized designed for small batch test in laboratory. The Bench top and Console freeze dryers are with advanced design and occupies small area.



- 7" colorful touch panel, can display the product samples temperature, cold trap temperature and vacuum etc in digital and curve.
- 2. Touch panel with tilt design conforms to ergonomics and operate more comfortably.
- Condenser temperature of -80°C is optional (Except bentch top models):
- 4. Shelf heating function is optional;
- 5. Accessories for different chamber and manifold are optional;
- The vacuum pump is standard accessory, which is packed in a separate package, needs to be installed in user's site indepedently,







Model	DSFD-10S	DSFD-10T	DSFD-10P	DSFD-10PT
lmage				
Туре	Standard chamber	Stoppering chamber	Standard chamber with 8 port manifold	standard stoppering chamber with 8 port manifold
Final condenser temp (°C)	-55	-55	-55	-55
Vacuum Degree (Pa)	<10	<10	<10	<10
Condenser volume (L)	9	9	9	9
Freeze drying area (m2)	0.12	0.09	0.12	0.09
Ice condenser capacity (Kg/24h)	3	3	3	3
Qty of shelf	4	3	4	3
Material loading capacity/shelf (ml)	300	300	300	300
Material loading capacity (ml)	1200	900	1200	900
Freeze drying time (h)	24	24	24	24
Manifold	1	/	8 pieces	8 pieces
USB Interface	Υ	Υ	Y	Υ
Drying Chamber(standard)		Trar	nsparent acrylic	
Vacuum Pump(standard)		Model: 2XZ-2, S	Speed: 2L/S (China-Made)	
Control System		Microproc	essor, touch screen	
Power supply (V/Hz)		220	0V/50Hz,60Hz	
Exterior dimension (WxDxH mm)		582	2*625*530/960	
	Shelf(plate) he	ating and cold trap(i	ce condenser) defrosting fu	nction are optional;
Nata	The va	acuum pump is indep	endently packed in a separa	te package;
Note	The freeze dry	er shipment includes	s vacuum pump, standard o	lrying chamber and
		all accessories, l	ike valve, flask etc, if neede	d



CONSOLE FREEZE DRYER DSFT SERIES

• 0

Product Overview

Darsun freeze dryer is specialized designed for small batch test in laboratory. The Bench top and Console freeze dryers are with advanced design and occupies small area.

• 0

- 7" colorful touch panel, can display the product samples temperature, cold trap temperature and vacuum etc in digital and curve.
- 2. Touch panel with tilt design conforms to ergonomics and operate more comfortably.
- Condenser temperature of -80°C is optional (Except bentch top models):
- 4. Shelf heating function is optional;
- 5. Accessories for different chamber and manifold are optional;
- The vacuum pump is standard accessory, which is packed in a separate package, needs to be installed in user's site indepedently.



Model	DSFT-12S	DSFT-12T	DSFT-12P	DSFT-12PT	
IMAGE					
Туре	Standard chamber	Stoppering chamber	Standard chamber with 8 port manifold	standard stoppering chamber with 8 port manifold	
Final condenser temp (°C)	-55 or -80	-55 or -80	-55 or -80	-55 or -80	
Vacuum Degree (Pa)	<10	<10	<10	<10	
Condenser volume (L)	9	9	9	9	
Freeze drying area (m2)	0.12	0.09	0.12	0.09	
Ice condenser capacity (Kg/24h)	3	3	3	3	
Qty of shelf	4	3	4	3	
Material loading capacity/shelf (ml)	300	300	300	300	
Material loading capacity (ml)	1200	900	1200	900	
Freeze drying time (h)	24	24	24	24	
Manifold	/	/	8 pieces	8 pieces	
USB Interface	Y	Υ	Υ	Υ	
Drying Chamber(standard)		Transp	arent acrylic		
Vacuum Pump(standard)		Model: 2XZ-2, Spe	ed: 2L/S (China-Made)		
Control System		Microprocess	or, touch screen		
Power supply (V/Hz)		220V/	50Hz,60Hz		
Exterior dimension (WxDxH mm)		480*62	0*920/1370		
			condenser) defrosting funct	<u> </u>	
Note			lently packed in a separate ¡		
	The freeze drye	•	cuum pump, standard dryi	ng chamber and	
		all accessories, like	valve, flask etc, if needed		



CONSOLE FREEZE DRYER DSFT SERIES

• 0

Product Overview

Darsun freeze dryer is specialized designed for small batch test in laboratory. The Bench top and Console freeze dryers are with advanced design and occupies small area.

• 0

- 7" colorful touch panel, can display the product samples temperature, cold trap temperature and vacuum etc in digital and curve.
- 2. Touch panel with tilt design conforms to ergonomics and operate more comfortably.
- Condenser temperature of -80°C is optional (Except bentch top models):
- 4. Shelf heating function is optional;
- 5. Accessories for different chamber and manifold are optional;
- The vacuum pump is standard accessory, which is packed in a separate package, needs to be installed in user's site indepedently.



Model	DSFT-18S	DSFT-18T	DSFT-18P	DSFT-18PT	
IMAGE					
Туре	Standard chamber	Stoppering chamber	Standard chamber with 8 port manifold	standard stoppering chamber with 8 port manifold	
Final condenser temp (°C)	-55 or -80	-55 or -80	-55 or -80	-55 or -80	
Vacuum Degree (Pa)	<10	<10	<10	<10	
Condenser volume (L)	23	23	23	23	
Freeze drying area (m2)	0.18	0.135	0.18	0.135	
Ice condenser capacity (Kg/24h)	6	6	6	6	
Qty of shelf	4	3	4	3	
Material loading capacity/shelf (ml)	450	450	450	450	
Material loading capacity (ml)	1800	1350	1800	1350	
Freeze drying time (h)	24	24	24	24	
Manifold	/	/	8 pieces	8 pieces	
USB Interface	Y	Υ	Y	Υ	
Drying Chamber(standard)		Transp	arent acrylic		
Vacuum Pump(standard)		Model: 2XZ-2, Spe	ed: 2L/S (China-Made)		
Control System		Microproces	sor, touch screen		
Power supply (V/Hz)		220V/	50Hz,60Hz		
Exterior dimension (WxDxH mm)		560*71	0*950/1390		
			condenser) defrosting funct dently packed in a separate p		
Note			cuum pump, standard dryi		
	The freeze drye	•	valve, flask etc, if needed	ng chamber and	



PILOT FREEZE DRYER DSFD SERIES

• 0

Product Overview

Console/Pilot production freeze dryer is a small in-situ freeze-drying equipment. It is applied not only in pharmaceuticalpilot workshop and small batch production but also in food or medicinal freeze-drying process.



- Situ freeze-drying technology is one of advanced international constructer design which avoid the contamination during materials transfer and realize the dry sublimation automatically. Pilot freeze dryer is with rack heating programmable function and memory freeze-drying curve which convenient users to get the freezedrying production technology.
- 2. It is divided into standard type and gland type.



Model	DSFD-20S	DSFD-30T	DSFD-50S	DSFD-50T	DSFD-100S	DSFD-100T	DSFD-200S	DSFD-200T	
Туре	Standard	Top-press	Standard	Top-press	Standard	Top-press	Standard	Top-press	
Shelf temp (°C)	-50 ~ 70	-50 ~ 70	-50 ~ 70	-50 ~ 70	-50 ~ 70	-50 ~ 70	50 ~ 70	50 ~ 70	
Final condens er temp (°C)	-80	-80	-80	-80	-80	-80	-80	-80	
Vacuum Degree (Pa)	<10	<10	<10	<10	<10	<10	<10	<10	
Freeze drying area (m2)	0.24	0.3	0	.5	1		:	2	
Condenser c apacity (Kg/24h)	6	.5	1	0	1	5	3	0	
Shelf specific ation (L*W*H mm)	300*400*15	295*335*15	360*4	76*20	360*480*15	600*480*15	500*9	00*15	
Qty of shelf	2	3	4	4	6	4	6	6	
Distance bet ween shelves(mm)	8	o	70	95	80 80		100		
Liquid materi al loading capacity (L)	4.5	4	10	8	15		30		
Temperature uniformity (°C)	±1	±1	±1	±1	±1	±1	±1	±1	
Defrost funIN Oion	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
USB Interfac e	Y	Y	Y	Y	0	Y	Y	Y	
Control Syst em	'	r, touch screen	Microprocesso	r, touch screen	ich screen Microprocessor, touch screen			Microprocessor, touch screen	
Penicillin bott le Φ22	760	805	1408	1056	2016	2016	4100	4100	
Penicillin bott le Φ16	940	1550	2728	2046	3960	3960	7800	7800	
Penicillin bott le Φ12	2120	2800	4920	3690	7200	7200	14400	14400	
Power supply (V/Hz)	220V/50	Hz,60Hz		Hz,60Hz Hz,60Hz	220V/50 380V/50	Hz,60Hz Hz,60Hz	380V/50	Hz,60Hz	
Exterior dime nsion (WxDxH mm)	1200*750*1250	1200*750*1600	1200*850*1500	1200*850*1850	1500*850*1600	1500*850*1950	2100*850*1800	2100*850*210	



BENCHTOP SHAKER

DSY-304

DSF-334

DSQ-344









Product Overview

Benchtop Orbital Shaker

The DSY-304 provides a smooth uniform circular motion with an orbit of 30mm. The shaker can be used in incubators and warm room if the temperature is not higher than 50° C.

The standard cradle platform can turn DSY-304 unit into a very effective mini platform shaker, which allows for different combinations of vessels offering maximum versatility. Alternatively, the tray is interchangeable with flask clamp tray (DSF-334) or non-slip mat tray (DSQ-344).

Speed is variable from 30 to 300rpm, with shaking times can be set to run from 0-500hours, or set for continuous operation. The non-volatile memory restores all settings after power failure.

Benchtop Reciprocal Shaker

The DSF-334 lab scale platform shaker has a powerful yet quiet shaking mechanism that has been designed for problem free continuous use. This unit provides a versatile linear shaking action with unique 4 level stroke adjustment from 20, 24, 30 to 40mm, ideal for most extracting applications.

Speed is fully variable from 30-300rpm, and is set digitally for consistency. The speed is microprocessor controlled and accurately maintained even over long runs. The built-in timer can be set from 0-500hours. After the timer has counted down, the shaker stops and sounds an alert. The flask clamp tray is fitted as standard, while can be interchanged with non-slip mat tray or cradle platform.

Benchtop See Saw Rocker

DSQ-344 has a see-saw rocking action that creates a wave motion within vessels such as culture flask, petri dishes etc. one unique feature of this unit is DSQ-344 provides 4 level of tilt angles from 5°, 8°, 10° and 12°, ideal for washing.

The speed is microprocessor controlled, variable from 20-80rpm. The model is supplied with a non-slip mat. The large LCD screen with user-friendly digital keypad ensures clear readout and easy operation. Like all other benchtop shakers, all settings of speed and time are encrypted to prevent unauthorized changes.

Model	DSY-304	DSF- 334	DSQ-344			
Action Mode	Orbital	Reciprocal	Rocker			
Speed Range (/min)	30-300 rounds	30-300 strokes	20-80 tilts			
Speed Variation (/min)	±1 round	±1 stroke	±1 tilt			
Stroke	Ø30 mm	20, 24, 30, 40 mm	5°, 8°, 10°, 12°			
Tray Dimensions (mm)	330x350	330x350	330x350			
Accessory Included	Rubber Bar Tray	Tray with non-slip mat				
Timer	1 minute to 500 hours	1 minute to 500 hours	1 minute to 500 hours			
Maximum Load (kg)	3.5	3.5	4			
Overall Dimensions (mm) (WxDxH)	400x350x235	400x350x160	400x360x185			
Packing Dimensions (mm) (WxDxH)	490x490x420	490x490x400	490x490x365			
Net / Gross Weight (kg)	25/37	14/26	10/20			
Safety Features	Non-volat	ile Memory, Power-off Recov	ery, Timer,			
Power (W)	50					
Electricity	220-240V 50/60 Hz					
Approval	CE, ISO					

Clamp Tray	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	2000ml	5000ml	P8010	P8012
P6016	24	17	9	7	-	-	-	-	-	3	6



SHAKING WATER BATH

DSY SERIES





Product Overview

- 1. Solid electric drive mechanism provides uniform and quiet agitation and enables continuous 24 hour operation.
- 2. Water bath temperature is monitored and controlled over the entire range with an accuracy of ?0.1?C with P.I.D temperature controller.
- 3. Easy-to-read LCD digital display provides a user-friendly interface which helps minimize errors in establishing running conditions.
- 4. Non-volatile memory retains preset parameters during a power failure and restarts unit automatically after the power is restored.
- 5. Heat loss and evaporation is minimized with the use of finely electro-polished stainless steel gabled lid cover. (Standard on ZWY series units, without lid for ZWYK series units)
- 6. High quality #304 stainless steel for excellent durability of interiors and its parts.
- 7. Predrilled shaking tray included, without clamps.







Model	DSY-110X30	DSYK-110X30	DSY-110X50	DSYK-110X50		
Volume (L)	3	0		50		
Gable Lid Included	Yes	No	Yes	No		
Shaking Mode		Recip	rocal			
Temperature Range (°C)		Ambien	t-99.9			
Temperature Accuracy		±0.1	.°C			
Temperature Uniformity		±0.2°C@37	°C 100rpm			
Timer		1 minute to	500 hours			
Stroke (mm)	16 (Default setting), 24					
Speed Range(rpm)		20-1	180			
Tray (mm) (WxD)	434×	256	494	4x316		
Inner Dimensions (mm) (WxDxH)	508x30	00x200	568x3	360x250		
Exterior Dimensions (mm) (WxDxH)	795x36	50x380	855x4	120x430		
Packing Dimensions (mm) (WxDxH)	865x43	30x520	925x4	190x590		
Net/Gross Weight (kg)	29/	40	33	3/49		
Power (W)	16	00	2	000		
Electricity		220-240V	50/60 Hz			
Approval	CE, ISO					

Flask (ml)	50ml	100ml	250ml	500ml	1000ml
DSYK-110X30/DSY-110X30	15	15	11	6	_
DSYK-110X50/DSY-110X50	24	24	15	11	6



ECONOMIC BENCHTOP SHAKING INCUBATOR









Product Overview

- 1. Various chamber sizes available from 63L to 69L
- 2. Smooth and easy to clean design with tempered observation glass window. Inner chamber and tray from electro polished stainless steel.
- 3. Special low noise induction motor system enables high rotation speed up to 400rpm or 600rpm.
- 4. Patented driver system allows stroke continuous adjustment from 1 to 50 mm. The combination of high speed and small diameter suitable for many applications involving microtitre plates.
- 5. AC inductive motor, brushless and maintenance free.
- 6. Auto-defrosting system, ensuring long-terms non-frosting operation with low temperature set points.
- 7. Microprocessor control with large LCD screen, showing set and actual parameters. Password protection against unauthorized change of parameters.
- 8. Audible and visual alarms on over temperature and motor overheating. Soft start and smooth acceleration after lid opening.
- 9. Timer up to 9999 mins and continuous mode. Predrilled standard tray included, without clamps.

Model	DS- 100H	DS-240				
Volume (L)	63	69				
Shaking Speed (rpm)	30-400	30-400				
Stroke (mm)	Ø1-50 Stepless Adjustment	Ø1-50 Stepless Adjustment				
Shaking Mode	Orbital	Orbital				
Tray (mm) (WxD)	340x370	400x370				
Temperature Range	A+ 5 °C to 60°C	4°C to 60°C				
Temperature Accuracy	± 0.1°C.					
Temperature Uniformity	≤±1°C@37°C					
Timer	1 to	9999 mins				
Inner Dimensions (mm) (WxDxH)	410x440x295	490x470x320				
Exterior Dimensions (mm) (WxDxH)	600x580x520	730x740x560				
Packing Dimensions (mm) (WxDxH)	690x680x700	810x850x760				
Net / Gross Weight (kg)	72/92	100/132				
Power (W)	550	700				
Electricity	220-240V 50/60 Hz					
Approval	CE, ISO					

Flask (ml)	50ml	100ml	250ml	500ml	750ml	1000ml	P8010	P8012
DS-100H	18	18	10	9	5	4	3	4
DS-240	23	23	12	9	7	5	3	8



PREMIUM HORIZONTAL SHAKING INCUBATORS







Product Overview

- 1. 4.3" LCD 480x272 touch screen panel clearly indicates all parameters in one page display and makes it easy to change the operating parameters settings, even those multi set points under programmable mode intuitively.
- 2. P.I.D microprocessor controller provides unmatched versatility by enable users to create personalized program (with up to 9 segments, with cycling) to automate changes to function parameters.
- 3. Large double fold tempered glass window and fluorescent light provide complete visibility of chamber interior.
- 4. DS-211D is equipped with foot pedal for lid opening even when carrying full loads in both hands.
- Inner chamber with coved corners of high graded #304 electro polished stainless steel features excellent durability as well as ease of cleaning
- 6. Robust triple eccentric counterbalanced drive in cast iron housing provides vibration and trouble free operation with high shaking speed up to 300rpm.
- 7. Quality brushless AC inductive motor supports reliable, quiet and smooth shaking movements up to top speed.
- 8. Auto-defrosting system, ensuring long-terms non-frosting operation with low temperature setpoints.
- 9. Non-volatile memory saves settings during a power outage and automatically restarts the unit after power is restored.
- 10. Audible and visual alarms on over temperature and motor overheating, and automatically cut off the power.
- 11. Soft start and smooth acceleration when lid is closed after short opens.
- 12. For data recording, the units are equipped with a built-in thermo printer as standard, so that operators could check how the performance parameters vary according to specified process without having to be on site.
- 13. Timer up to 9999 mins under fixed value control mode.
- 14. Predrilled standard tray included, without clamps.
- 15. UV light reduces the air burden, keeping the chamber contamination free.

Model	DS-211C	DS-211D	DS-211						
Control	P.I.D Microprocessor								
Control Mode	Fix Value or Program (up to 9 Segments)								
Control Panel		4.3" LCD Touch Screen							
Lid Opening Mode	Hand Hold	Foot Pedal	Hand Hold						
Volume (L)	260	300	300						
Working Temperature(°C)		5-25							
Shaking Speed (rpm)		30-300	30-240						
Stroke (mm)		Ø26	1-50 Stepless Adjustment						
Shaking Mode		Orbital	Reciprocal						
Tray (mm) (WxD)	920x500	940x584	896x530						
Temperature Range (°C)	4-60								
Temperature Accuracy (°C)		0.1							
Temperature Uniformity (°C)		±1°C@37°C							
Timer		1 to 9999 mins							
Inner Dimensions (mm) (WxDxH)	975x565x465	1040x655x465	975x565x465						
Exterior Dimensions (mm)	1230x730x1065	1290x820x1065	1230x730x1065						
(WxDxH)									
Packing Dimensions (mm)	1300x800x1225	1360x910x1225	1300x800x1225						
(WxDxH)									
Net/Gross Weight (kg)	255/308	263/313	213/252						
Power (W)	1150	1800	1150						
Electricity		220-240V 50/60 Hz							
Approval		CE, ISO							
Security	Over-temperature Protect	ion, Compressor Overload Protecti	ion, Electrical Leakage Protection						
Additional	Built-in Printer, RS485 Interface Kit (Option)								



Stands are available in 35cm cabinet base stand (#P5010-35); 50cm Frame base stand (#P5010-50)

Flask (ml)	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml	P8010	P8012
DS-211C	66	66	41	28	24	15	11	8	6	10	28
DS-211D	77	77	54	36	26	18	15	8	6	12	32
DS-211	66	66	45	28	24	15	8	8	-	10	28

Ordering Information:

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
DS-211C	DS-211C, 260L, Premium Horizontal Shaking Incubator 4-60, 30-300rpm	P8013	T Clamp, S/S, for 150ml Flask, with Spring Retainer
DS-211D	DS-211D, 300L, Premium Horizontal Shaking Incubator 4-60, 30-300rpm	P8003	T Clamp, S/S, for 250ml Flask, with Spring Retainer
DS-211	DS-211, 300L, Premium Reciprocal Horizontal Shaking Incubator 4-60, 30-240rpm	P8014	T Clamp, S/S, for 300ml Flask, with Spring Retainer
P5016	RS-485 Interface	P8004	T Clamp, S/S, for 500ml Flask, with Spring Retainer
P6006	Tray for ZWY-111B/211B/111C/211C/DS-211C, S/S %	P8005	T Clamp, S/S, for 750ml Flask, with Spring Retainer
P6007	Tray for DS-211D, S/S	P8006	T Clamp, S/S, for 1000ml Flask, with Spring Retainer
P6008	Tray for ZWF-111/211/DS-211, S/S	P8007	T Clamp, Spring S/S, for 2000ml Flask, with Spring Retainer
P7007	Universal Tray for ZWY-111B/211B/111C/211C/DS- 211C, Ful Pcs	P8008	T Clamp, Spring S/S, for 3000ml Flask, with Spring Retainer
P7008	Universal Tray for DS-211D, Ful Pcs	P8009	T Clamp, Spring S/S, for 5000ml Flask, with Spring Retainer
P7009	Universal Tray for ZWF-111/211, DS-211, Ful Pcs	P8010	Tube Rack S/S
P7022	Universal Tray for All Horizontal Model, 1/2 Pcs	P8011	Tube Rack ABS Plastic
P8001	T Clamp, S/S, for 50ml Flask, with Spring Retainer	P8012	Clamp for 96 Well Plate, S/S
P8002	T Clamp, S/S, for 100ml Flask, with Spring Retainer	P8017	Sticky Mat, 20 x 20cm





TOUCH SCREEN

FORCED AIR CONVICTION

CLAMPS



PREMIUM STACKABLE SHAKING INCUBATORS



Product Overview

- 1. Stackable up to three units for maximum space savings.
- 2. 5.6" LCD 640x480 touch screen panel clearly indicates all parameters in one page display and enables all complicated program settings intuitively just with finger tips.
- 3. Wide-view fold-down door with door handle, and ergonomic sliding-out shaking platform provide convenient access to your experiment products. Fold-up door option (#P5017) available for DSYR-D2403 for easy loading on the top unit.
- 4. Direct beltless driving system is both durable and economical, maintenance free, allows extended speed ranges from 30 to 300 RPM, ±1 RPM with minimized vibration, even when shakers are stacked of three high. The shaking diameter can be changed from 1-50mm for optimum oxygenation and nutrient mixing and agitation in from small to large flasks.
- The top of the casing can be further used as a work area for locating small items of lab equipment etc.
- 6. The incubator casing is made of heavy-gauge cold-rolled steel; together with high graded #304 stainless steel inner chambers with coved corners make it easy to clean with mild detergent. Chamber is tall enough to hold 2L Erlenmeyer flasks.
- 7. The ceiling of the unit can be upgraded and fitted with LED lighting kit for cultivation of phototrophic organisms. Mono cool white, or Red & Blue dual light colors are possible and the intensity of each color can be independently controlled and programmed to simulate day/night cycles, perfect for plant cell culture.
- 8. Robust brushless DC motor enables shaking motion quiet and smooth, even when unit is operating at top speed with maximum workload.
- Non-volatile memory saves settings during a power outage and automatically restarts the unit after power is restored.
- 10. For data recording, the units are equipped with a built-in thermo printer as standard, so that operators could check how the performance parameters vary according to specified process without having to be on site.
- 11. Internal UV light as standard provides proactive contamination control when needed.
- 12. Predrilled platform as standard configuration, flask clamps excluded. Plain tray available for use with sticky mats (max. 8 pcs per DSWR-D2401 unit)
- 13. For a comfortable working height, the base stands are available in 35cm cabinet base stand (#P5010-35); 50cm Frame base stand (#P5010-50)

Model	DSYR-D2401	DSYR-D2402	DSYR-D2403				
Control	P.I.D Microprocessor						
Control Mode	Fix Value or Program (up to 9 Segments)						
Control Panel		LCD Touch Scree	n				
Air Convection		Forced					
Shaking Mode		Orbit					
Volume/ Compartment (L)		190					
Ambient Temperature(°C)		10-35					
Shaking Speed (rpm)		30-300					
Stroke (mm)	Q	1-50 Stepless Adjus	table				
Temperature Range (°C)		4-60#					
Temperature Accuracy (°C)	0.1						
Temperature Uniformity (°C)	±0.5°C@37°C						
Timer		1 to 9999 mins					
Tray (mm) (WxD)		800x430					
Tray Included	1	2	3				
Inner Dimensions (mm) (WxDxH)		920x532x395					
Exterior Dimensions (mm) (WxDxH)	1300x930x735	1300x930x1315	1300x930x1895				
Packing Dimensions (mm) (WxDxH)	1420x1050x90	1420x1050x1480	1420x1050x2060				
Net/Gross Weight (kg)	250/290	430/500	630/730				
Power (W)	1200	2400	3600				
Electricity		220-240V 50/60 H	lz				
Approval		CE, ISO					
Security	Over-temperature Protection, Compressor						
		tection, Electrical Le					
Additional	Built-in Printer, RS485 Interface (Option), LED Lighting Control Kit (Option), Base Stand(Option)						



DSYR-D2403



DSYR-D2402



DSYR-D2401







Stands are available in 35cm cabinet base stand (#P5010-35); 50cm Frame base stand (#P5010-50)

Flask (ml)	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	P8010	P8012
DSYR-D2401	91	50	38	26	18	18	8	8	19
DSYR-D2402	180	100	76	52	36	36	16	16	38
DSYR-D2403	270	150	114	78	54	54	24	24	57

Lighting Control Kit	P5011RB	P5011WW				
Light Source		LED				
Light Color*	50% Red, 50% Blue	100% Warm White				
Spectrum	Red: 640-660nm, Blue: 430-450nm	4000k:400-700nm				
Light Intensity	Up to 700 μmol/(m2*s)	Up to 400 μmol/(m2*s)				
Control Range	Individually, f	rom 0-100% output				
Control Mode	Fixed Value	e & Programmable				
Panel Dimensions	890x500x10mm					
Power		300W				





 $[\]hbox{*Fully customized color combinations are available, contact darsun representatives for more information.}$

ORDERING INFORMATION

PART NUMBER	DESCRIPTIONS	PART NUMBER	DESCRIPTIONS
DSYR-D2401	DSYR-D2401, 190Lx1, Premium Stackable	P8010	Tube Rack S/S
	Shaking Incubator, Single, 4-60°C, 30-300rpm		
DSYR-D2402	DSYR-D2402, 190Lx2, Premium Stackable	P8012	Clamp for 96 Well Plate, S/S
	Shaking Incubator, Double, 4-60°C, 30-300rpm		
DSYR-D2403	DSYR-D2403, 190Lx3, Premium Stackable	P8017	Sticky Mat, 20 x 20cm
	Shaking Incubator, Triple, 4-60°C, 30-300rpm		
P5010-35	Cabinet Base Stand for DSYR-D2401, H35cm	P8021	O Clamp, S/S, for 50ml Flask, with Spring Retainer
P5010-50	Frame Base Stand for DSYR-D2401, H50cm	P8024	O Clamp, S/S, for 500ml Flask, with Spring Retainer
P5011RB	LED Lighting Panel, For DSYR-	P8022	O Clamp, S/S, for 100ml Flask, with Spring Retainer
	D2401/D2402/D2403, DSYC-290A, Red & Blue		
P5011WW	LED Lighting Panel, For DSYR-	P8023	O Clamp, S/S, for 250ml Flask, with Spring Retainer
	D2401/D2402/D2403, DSYC-290A, Warm White		
P5016	RS-485 Interface	P8024	O Clamp, S/S, for 500ml Flask, with Spring Retainer
P5017	Upward Door Opening for DSYR-	P8025	O Clamp, S/S, for 750ml Flask, with Spring Retainer
	D2401/D2402/D2403		
P6024	Predrilled Tray for FDYR-D2401/2402/2403	P8026	O Clamp, S/S, for 1000ml Flask, with Spring
			Retainer
P6025	Tray for FDYR-D2401/2402/2403, Plain	P8027	O Clamp, S/S, for 2000ml Flask, with Spring
			Retainer

O Clamps P8017 Sticky Mat P8010 Test Tube Rack







[#] Min. Operating Temperature: 15°C when Photosynthetic Lighting option is applied.



PREMIUM DOUBLE LAYER SHAKING INCUBATOR

DSYR-2102C







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Product Overview

- 4.3"/5.6" LCD touch screen panel clearly indicates all parameters in one page display and makes
 it easy to change the operating parameters settings, even those multi set points under
 programmable mode intuitively.
- 2. P.I.D microprocessor controller provides unmatched versatility by enable users to create personalized program (with up to 9 segments, with cycling) to automate changes to function parameters.
- Large double fold tempered glass window on the front doors together with the fluorescent light provide complete visibility of chamber interior.
- 4. Mirror-finished high quality #304 stainless steel for excellent durability of interiors. Non-volatile memory for set point retention after power interruption.
- Robust triple eccentric counterbalanced drive in cast iron housing provides vibration and trouble free operation with high shaking speed up to 300rpm even when both layers are fully loaded.
- 6. Quality brushless AC inductive motor supports reliable, quiet and smooth shaking movements up to top speed even when fully loaded with 90 pieces of 250ml flasks (DS-2112B, DS-2112).
- 7. Auto-defrosting system, ensuring long-terms non-frosting operation with low temperature setnoints.
- 8. Non-volatile memory saves settings during a power outage and automatically restarts the unit after power is restored.
- 9. Audible and visual alarms on over temperature and motor overheating, and automatically cut off the power. Soft start and smooth acceleration when doors are closed after short opens.
- 10. Dedicated single layer shaking frame is available for the ease of using large flasks.
- 11. For data recording, the units are equipped with a built-in thermo printer as standard, so that operators could check how the performance parameters vary according to specified process without having to be on site. Timer up to 9999 mins under fixed value control mode.
- 12. UV light reduces the air burden, keeping the chamber contamination free. Predrilled standard tray included, without clamps.



Double Layer Shaking Frame



Flask (ml)	50ml	100ml	250ml	500ml	750ml	1000ml	2000ml	3000ml	5000ml	P8010	P8012
DS-2102C	78	56	36	24	18	6*	4*	3*	2*	4	9
DS-2102	118	104	64	54	30	30	8*	7*	4*	8	19
DS-2112B	262	200	110	76	52	44	15*	10*	8*	11	30
DS-2112	252	190	98	80	48	40	15*	10*	7*	10	32



Stands are available in 35cm cabinet base stand (#P5010-35); 50cm Frame base stand (#P5010-50)

Model	DSYR-2102C DSYR-2102					
Control	P.I.D Microprocessor					
Control Mode	Fix Value or Program (up to 9 Segments)					
Control Panel	LCD Tou	ch Screen				
Volume (L)	170	330				
Working Temperature(°C)	5-	25				
Shaking Speed (rpm)	30-	300				
Stroke (mm)	2	6				
Shaking Mode	Orbital					
Temperature (°C)	4 to 60°C					
Temperature Accuracy	±0.1°C					
Temperature Uniformity	±1°C@37°C					
Timer	1 to 99	99 mins				
Tray (mm) (WxD)	496x350	734x458				
Inner dimensions (mm) (WxDxH)	615x450x640	845x530x765				
Exterior dimensions (mm) (WxDxH)	720x685x1310	950x755x1445				
Packing dimensions (mm) (WxDxH)	800x770x1490	1030x870x1640				
Net/Gross Weight (kg)	195/238	255/320				
Power (W)	1000	1050				
Electricity	220-240V 50/60 Hz					
Approval	CE, ISO					
Security	Over-temperature Protection, Compressor Overload Protection, Electrical					
Additional	Built-in Printer, RS485 Interface Kit (Option)					

Ordering Information:

Part NO.	Description	Part NO.	Description
DSYR-2102C	DSYR-2102C, 170L, Premium Double Layer Shaking	P8001	T Clamp, S/S, for 50ml Flask, with Spring
	Incubator 4-60, 30-300rpm		Retainer
DSYR-2102	DSYR-2102, 330L, Premium Double Layer Shaking	P8002	T Clamp, S/S, for 100ml Flask, with Spring
	Incubator 4-60, 30-300rpm		Retainer
P5001	Single Layer Shaking Frame for DSYR-2102C, Stl	P8014	T Clamp, S/S, for 300ml Flask, with Spring
	S/C#		Retainer
P5002	Single Layer Shaking Frame for DSY-1102/2102,	P8004	T Clamp, S/S, for 500ml Flask, with Spring
	DSYR-2102C, Stl S/C		Retainer
P5016	RS-485 Interface	P8006	T Clamp, S/S, for 1000ml Flask, with Spring
			Retainer
P6010	Tray for DSY-2102C S/S **	P8007	T Clamp, Spring S/S, for 2000ml Flask, with
			Spring Retainer



DSC-4V108



78 Bags



Product Overview

Blood storage requires specially designed equipment that must comply with international standards. Darsun Bank Refrigerators are reliable for storing blood and are ideal for blood banks, hospitals and the medical industry. They can also be used to store pharmacy and biological products in hospitals and disease prevention centers.

Key Features:

Advanced forced-air cooling system, large airflow with optimised air channels for inner temperature consistency and special finned evaporator.

Inner light and heated double pane glass doors ensure clear display without condensation

Microprocessor control with digital temperature display

Auto-defrost function ensures good performance in high temperature and high humidity areas Safety lock prevents unauthorized access Large digital display for easier observation SUS shelves for convenient storage of blood bags Self-closing doors

Safety Control System:

Alarm mode monitors ambient temperature and system state to ensure safety and reliability of storage conditions.

High/Low temperature alarm, thermostat malfunction alarm, power failure alarm in 72 hours, battery backup malfunction alarm, condenser abnormality alarm.

Audio and visual alarm

USB port, optional temperature controller with thermal printer to track temperature curve

Password protection to prevent random parameter change



Model No.	DSC-4V108	
Specifications	Shelf/Drawer	Shelves/2
	Cooling	Forced – Air Cooling
	Defrost	Auto
	Refrigerant	R134a
	Power Consumption (kWh/24h)	1.95
	Noise (db)	49.6dB(A)
	Ambient Temperature (C)	10 ~ 32
	Temperature Range (C)	4 ± 1
Cooling	Compressor Brand/QTY	Embraco/1
System	Sensor	NTC
	Temperature Controller	Microprocessor
	Display	Digital Display
Power	Voltage/Frequency (V/Hz)	220V/50Hz
	Power (W)	160
	Current (A)	0.6
Material	Inside Material	Stainless Steel
	Outside Material	Color Sprayed Steel
	Insulation	PURF
Size	Capacity (L/Cu.ft)	108/3.81
	Blood Bags (450ml)	66
	Net/Gross Weight (Kg)	50/55
	Exterior Size (WxDxH) (mm)	522 x 600 x 1050
	Interior Size (WxDxH) (mm)	432 x 462 x 478
	Package Size (WxDxH) (mm)	572 x 685 x 1070
Alarm	High/Low Temperature	Υ
	Power OFF	Υ
	Temperature Controller	Υ
	Malfunction	
	Backup Battery Malfunction	Υ
	Ambient Temperature	10~32
	Backup Battery Alarm for Power	72h
	Off	
Accessories	Castor	Υ
	Outer Door/Type	1/Heating & Foam Glass
		Door
	Inner Door	2
	Test Hole	1/25mm
	Thermal Printer	Υ
	Light	LED
	Temperature Recorder	Optional
Other	Certifications	ISO9001, 13485, 14001,
		CE
	1	1





Glycerine box with sensor inside

Access port





DSC-4V208





Product Overview

Blood storage requires specially designed equipment that must comply with international standards. Darsun Bank Refrigerators are reliable for storing blood and are ideal for blood banks, hospitals and the medical industry. They can also be used to store pharmacy and biological products in hospitals and disease prevention centers.

Key Features:

Advanced forced-air cooling system, large airflow with optimised air channels for inner temperature consistency and special finned evaporator.

Inner light and heated double pane glass doors ensure clear display without condensation

Microprocessor control with digital temperature display

Auto-defrost function ensures good performance in high temperature and high humidity areas Safety lock prevents unauthorized access Large digital display for easier observation SUS shelves for convenient storage of blood bags

Self-closing doors

Safety Control System:

Alarm mode monitors ambient temperature and system state to ensure safety and reliability of storage conditions.

High/Low temperature alarm, thermostat malfunction alarm, power failure alarm in 72 hours, battery backup malfunction alarm, condenser abnormality alarm.

Audio and visual alarm

USB port, optional temperature controller with thermal printer to track temperature curve

Password protection to prevent random parameter change



Model No.	DSC-4V208	
Specifications	Shelf/Drawer	Shelves/4
	Cooling	Forced – Air Cooling
	Defrost	Auto
	Refrigerant	R134a
	Power Consumption	2.22
	(kWh/24h)	
	Noise (db)	51.2dB(A)
	Ambient Temperature (C)	10 ~ 32
	Temperature Range (C)	4 ± 1
Cooling System	Compressor Brand/QTY	Embraco/1
	Sensor	NTC
	Temperature Controller	Microprocessor
	Display	Digital Display
Power	Voltage/Frequency (V/Hz)	220V/50Hz
	Power (W)	200
	Current (A)	0.8
Material	Inside Material	Stainless Steel
	Outside Material	Color Sprayed Steel
	Insulation	PURF
Size	Capacity (L/Cu.ft)	208/7.34
	Blood Bags (450ml)	132
	Net/Gross Weight (Kg)	67/75
	Exterior Size (WxDxH) (mm)	522 x 600 x 1550
	Interior Size (WxDxH) (mm)	432 x 462 x 978
	Package Size (WxDxH) (mm)	572 x 685 x 1570
Alarm	High/Low Temperature	Υ
	Power OFF	Υ
	Temperature Controller	Υ
	Malfunction	
	Backup Battery Malfunction	Υ
	Ambient Temperature	10~32
	Backup Battery Alarm for	72h
	Power Off	
Accessories	Castor	Υ
	Outer Door/Type	1/Heating & Foam Glass
	j.	Door
	Inner Door	2
	Test Hole	1/25mm
	Thermal Printer	Υ
	Light	LED
	Temperature Recorder	Optional
Other	Certifications	ISO9001, 13485, 14001, CE
	•	· · · · · · · · · · · · · · · · · · ·



Fan-assisted evaporator and LED lighting



Coated wire basket



Acrylic inner door design



Thermal printer



DSC-4V368





Blood storage requires specially designed equipment that must comply with international standards. Darsun Bank Refrigerators are reliable for storing blood and are ideal for blood banks, hospitals and the medical industry. They can also be used to store pharmacy and biological products in hospitals and disease prevention centers.

Key Features:

Advanced forced-air cooling system, large airflow with optimised air channels for inner temperature consistency and special finned evaporator.

Inner light and heated double pane glass doors ensure clear display without condensation

Microprocessor control with digital temperature display

Auto-defrost function ensures good performance in high temperature and high humidity areas Safety lock prevents unauthorized access Large digital display for easier observation SUS shelves for convenient storage of blood bags

Self-closing doors

Safety Control System:

Alarm mode monitors ambient temperature and system state to ensure safety and reliability of storage conditions.

High/Low temperature alarm, thermostat malfunction alarm, power failure alarm in 72 hours, battery backup malfunction alarm, condenser abnormality alarm.

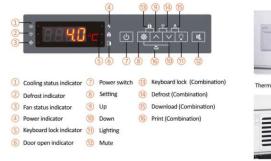
Audio and visual alarm

USB port, optional temperature controller with thermal printer to track temperature curve

Password protection to prevent random parameter change



Specifications Shelf/Drawer Cooling Shelves/6 Forced – Air Cooling Defrost Auto Refrigerant R134a Power Consumption (kWh/24h) A.5 Noise (db) 51.2dB(A) Ambient Temperature (C) 4±1 Cooling System Emperature Range (C) 4±1 Membraco/1 Membraco/1 Sensor NTC Microprocessor Digital Display Power Voltage/Frequency (V/Hz) 220V/50Hz Power (W) 355 Current (A) 2.31 Stainless Steel Outside Material Color Sprayed Steel Material Inside Material Color Sprayed Steel Outside Material Color Sprayed Steel Joutside Material Color Sprayed Steel Net/Gross Weight (Kg) 128/160 Size Capacity (L/Cu.ft) 368/12.98 Blood Bags (450ml) Net/Gross Weight (Kg) 128/160 Exterior Size (WxDxH) (mm) 785 x 565 x 1920 Interior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm High/Low Temperature Y Y Y Power OFF			
Cooling	Model No.	DSC-4V368	
Defrost Refrigerant R134a	Specifications	Shelf/Drawer	I .
Refrigerant		Cooling	Forced – Air Cooling
Power Consumption (kWh/24h) Noise (db) 51.2dB(A) Ambient Temperature (C) 10 - 32 Temperature Range (C) 4 ± 1 1 1 1 1 1 1 1 1 1		Defrost	Auto
KWh/24h Noise (db)		Refrigerant	R134a
Noise (db)		Power Consumption	4.5
Ambient Temperature (C)		(kWh/24h)	
Temperature Range (C)		Noise (db)	51.2dB(A)
Cooling System Compressor Brand/QTY Embraco/1 Sensor NTC Temperature Controller Microprocessor Display Digital Display Power Voltage/Frequency (V/Hz) 220V/50Hz Power (W) 355 Current (A) 2.31 Material Stainless Steel Outside Material Color Sprayed Steel Insulation PURF Size Capacity (L/Cu.ft) 368/12.98 Blood Bags (450ml) 360 Net/Gross Weight (Kg) 128/160 Exterior Size (WxDxH) (mm) 785 x 565 x 1920 Interior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm High/Low Temperature Y Power OFF Y Temperature Controller Y Malfunction Y Accessories Castor Y Accessories Castor Y Outer Door/Type 1/Heating & Foam Glass Door Inner Door <td></td> <td>Ambient Temperature (C)</td> <td>10 ~ 32</td>		Ambient Temperature (C)	10 ~ 32
Sensor NTC Temperature Controller Microprocessor Display Digital Display		Temperature Range (C)	4 ± 1
Temperature Controller	Cooling System	Compressor Brand/QTY	Embraco/1
Display Digital Display		Sensor	NTC
Power Voltage/Frequency (V/Hz) 220V/50Hz Power (W) 355 Current (A) 2.31 Material Inside Material Color Sprayed Steel Insulation PURF Size Capacity (L/Cu.ft) 368/12.98 Blood Bags (450ml) 360 Net/Gross Weight (Kg) 128/160 Exterior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm High/Low Temperature Y Power OFF Y Temperature Controller Malfunction Y Backup Battery Malfunction Y Ambient Temperature 10 ~ 32 Backup Battery Alarm for Power Off 72h Accessories Castor Y Outer Door/Type 1/Heating & Foam Glass Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional		Temperature Controller	Microprocessor
Power (W) 355 Current (A) 2.31 Material Inside Material Stainless Steel Outside Material Color Sprayed Steel Insulation PURF Size Capacity (L/Cu.ft) 368/12.98 Blood Bags (450ml) 360 Net/Gross Weight (Kg) 128/160 Exterior Size (WxDxH) (mm) 785 x 565 x 1920 Interior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm High/Low Temperature Y Power OFF Y Temperature Controller Y Malfunction Backup Battery Malfunction Y Ambient Temperature 10 ~ 32 Backup Battery Alarm for 72h Power Off Accessories Castor Y Outer Door/Type 1/Heating & Foam Glass Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional		Display	Digital Display
Power (W) 355 Current (A) 2.31 Material Inside Material Stainless Steel Outside Material Color Sprayed Steel Insulation PURF Size Capacity (L/Cu.ft) 368/12.98 Blood Bags (450ml) 360 Net/Gross Weight (Kg) 128/160 Exterior Size (WxDxH) (mm) 785 x 565 x 1920 Interior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm High/Low Temperature Y Power OFF Y Temperature Controller Y Malfunction Backup Battery Malfunction Y Ambient Temperature 10 ~ 32 Backup Battery Alarm for 72h Power Off Accessories Castor Y Outer Door/Type 1/Heating & Foam Glass Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional	Power	Voltage/Frequency (V/Hz)	220V/50Hz
Material Inside Material Outside Material Color Sprayed Steel Insulation Color Sprayed Steel PURF Size Capacity (L/Cu.ft) 368/12.98 Blood Bags (450ml) 360 Net/Gross Weight (Kg) 128/160 Exterior Size (WxDxH) (mm) 785 x 565 x 1920 Interior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm High/Low Temperature Y Power OFF Y Temperature Controller Malfunction Backup Battery Malfunction Y Ambient Temperature 10 ~ 32 Backup Battery Alarm for Power Off Y Accessories Castor Y Outer Door/Type 1/Heating & Foam Glass Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional			355
Outside Material		Current (A)	2.31
Insulation	Material	Inside Material	Stainless Steel
Size Capacity (L/Cu.ft) 368/12.98 Blood Bags (450ml) 360 Net/Gross Weight (Kg) 128/160 Exterior Size (WxDxH) (mm) 785 x 565 x 1920 Interior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm High/Low Temperature Y Power OFF Y Temperature Controller Y Malfunction Y Backup Battery Malfunction Y Ambient Temperature 10 ~ 32 Backup Battery Alarm for Power Off 72h Accessories Castor Y Outer Door/Type 1/Heating & Foam Glass Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional		Outside Material	Color Sprayed Steel
Blood Bags (450ml) 360 Net/Gross Weight (Kg) 128/160 Exterior Size (WxDxH) (mm) 785 x 565 x 1920 Interior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm		Insulation	PURF
Net/Gross Weight (Kg) 128/160 Exterior Size (WxDxH) (mm) 785 x 565 x 1920 Interior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm	Size	Capacity (L/Cu.ft)	368/12.98
Exterior Size (WxDxH) (mm) 785 x 565 x 1920 Interior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm		Blood Bags (450ml)	360
Interior Size (WxDxH) (mm) 685 x 429 x 1380 Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm		Net/Gross Weight (Kg)	128/160
Package Size (WxDxH) (mm) 890 x 650 x 2100 Alarm High/Low Temperature Y Power OFF Y Temperature Controller Y Malfunction Y Ambient Temperature 10 ~ 32 Backup Battery Alarm for Power Off 72h Accessories Castor Y Outer Door/Type 1/Heating & Foam Glass Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional		Exterior Size (WxDxH) (mm)	785 x 565 x 1920
Alarm High/Low Temperature Power OFF Y Temperature Controller Malfunction Y Backup Battery Malfunction Y Ambient Temperature 10 ~ 32 Backup Battery Alarm for Power Off 72h Accessories Castor Y Outer Door/Type 1/Heating & Foam Glass Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional		Interior Size (WxDxH) (mm)	685 x 429 x 1380
Power OFF		Package Size (WxDxH) (mm)	890 x 650 x 2100
Temperature Controller Y Malfunction Backup Battery Malfunction Y Ambient Temperature 10 ~ 32 Backup Battery Alarm for Power Off 72h Power Off Outer Door/Type 1/Heating & Foam Glass Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional	Alarm	High/Low Temperature	Υ
Malfunction Backup Battery Malfunction Y		Power OFF	Υ
Backup Battery Malfunction Y		Temperature Controller	Υ
Ambient Temperature		Malfunction	
Backup Battery Alarm for Power Off		Backup Battery Malfunction	11.7
Power Off		Ambient Temperature	10~32
Accessories Castor Y Outer Door/Type 1/Heating & Foam Glass Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional		Backup Battery Alarm for	72h
Outer Door/Type 1/Heating & Foam Glass Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional		Power Off	
Door Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional	Accessories	Castor	Υ
Inner Door 6 Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional		Outer Door/Type	1/Heating & Foam Glass
Test Hole 1/25mm Thermal Printer Y Light LED Temperature Recorder Optional			Door
Thermal Printer Y Light LED Temperature Recorder Optional		Inner Door	6
Light LED Temperature Recorder Optional		Test Hole	1/25mm
Temperature Recorder Optional		Thermal Printer	Υ
Temperature Recorder Optional		Light	LED
			Optional
	Other	-	ISO9001, 13485, 14001, CE



Quick release filter design



DSC-4V658





Product Overview

Blood storage requires specially designed equipment that must comply with international standards. Darsun Bank Refrigerators are reliable for storing blood and are ideal for blood banks, hospitals and the medical industry. They can also be used to store pharmacy and biological products in hospitals and disease prevention centers.

Key Features:

Advanced forced-air cooling system, large airflow with optimised air channels for inner temperature consistency and special finned evaporator.

Inner light and heated double pane glass doors ensure clear display without condensation

Microprocessor control with digital temperature

Auto-defrost function ensures good performance in high temperature and high humidity areas Safety lock prevents unauthorized access Large digital display for easier observation SUS shelves for convenient storage of blood bags

Safety Control System:

Self-closing doors

Alarm mode monitors ambient temperature and system state to ensure safety and reliability of storage

High/Low temperature alarm, thermostat malfunction alarm, power failure alarm in 72 hours, battery backup malfunction alarm, condenser abnormality alarm.

Audio and visual alarm

USB port, optional temperature controller with thermal printer to track temperature curve

Password protection to prevent random parameter change



Model No.	DSC-4V658	
Specifications	Shelf/Drawer	Shelves/12
Specifications	Cooling	Forced – Air Cooling
	Defrost	Auto
	Refrigerant	R134a
	Power Consumption	6.31
	(kWh/24h)	0.51
	Noise (db)	51.2dB(A)
	Ambient Temperature (C)	10 ~ 32
	-	4±1
Caalina Custans	Temperature Range (C)	SECOP/1
Cooling System	Compressor Brand/QTY	
	Sensor	NTC
	Temperature Controller	Microprocessor
_	Display	Digital Display
Power	Voltage/Frequency (V/Hz)	220V/50Hz
	Power (W)	364
	Current (A)	2.42
Material	Inside Material	Stainless Steel
	Outside Material	Color Sprayed Steel
	Insulation	PURF
Size	Capacity (L/Cu.ft)	658/23.23
	Blood Bags (450ml)	360
	Net/Gross Weight (Kg)	165/195
	Exterior Size (WxDxH) (mm)	1220 x 648 x 1885
	Interior Size (WxDxH) (mm)	432 x 462 x 478
	Package Size (WxDxH) (mm)	572 x 685 x 1070
Alarm	High/Low Temperature	Υ
	Power OFF	Υ
	Temperature Controller	Υ
	Malfunction	
	Backup Battery Malfunction	Υ
	Ambient Temperature	10 ~ 32
	Backup Battery Alarm for	72h
	Power Off	
Accessories	Castor	Υ
	Outer Door/Type	2/Heating & Foam Glass
	,,	Door
	Inner Door	6
	Test Hole	1/25mm
	Thermal Printer	Υ
	Light	LED
	Temperature Recorder	Optional
Other	Certifications	ISO9001, 13485, 14001, CE
Culei	Certifications	1303001, 13403, 14001, CL



Fan-assisted evaporator and LED lighting





Acrylic inner door design



Chart recorder

Thermal printer



DSC-4V1008



680 Bags



Product Overview

Blood storage requires specially designed equipment that must comply with international standards. Darsun Bank Refrigerators are reliable for storing blood and are ideal for blood banks, hospitals and the medical industry. They can also be used to store pharmacy and biological products in hospitals and disease prevention centers.

Key Features:

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Microprocessor control with digital temperature

Auto-defrost function ensures good performance in high temperature and high humidity areas Safety lock prevents unauthorized access Large digital display for easier observation SUS shelves for convenient storage of blood bags Self-closing doors

Safety Control System:

Alarm mode monitors ambient temperature and system state to ensure safety and reliability of storage

High/Low temperature alarm, thermostat malfunction alarm, power failure alarm in 72 hours, battery backup malfunction alarm, condenser abnormality alarm.

Audio and visual alarm

USB port, optional temperature controller with thermal printer to track temperature curve

Password protection to prevent random parameter change



MadalNia	DCC 4)/4000	
Model No.	DSC-4V1008	D
Specifications	Shelf/Drawer	Drawers/12
	Cooling	Forced – Air Cooling
	Defrost	Auto
	Refrigerant	R134a
	Power Consumption	8.53
	(kWh/24h)	
	Noise (db)	53.6dB(A)
	Ambient Temperature (C)	10 ~ 32
	Temperature Range (C)	4 ± 1
Cooling	Compressor Brand/QTY	SECOP/1
System	Sensor	NTC
	Temperature Controller	Microprocessor
	Display	Digital Display
Power	Voltage/Frequency (V/Hz)	220V/50Hz
	Power (W)	513
	Current (A)	2.37
Material	Inside Material	Stainless Steel
	Outside Material	Color Sprayed Steel
	Insulation	PURF
Size	Capacity (L/Cu.ft)	1008/35.59
	Blood Bags (450ml)	576
	Net/Gross Weight (Kg)	256/286
	Exterior Size (WxDxH) (mm)	1220 x 878 x 1885
	Interior Size (WxDxH) (mm)	1100 x 684 x 1325
	Package Size (WxDxH) (mm)	1300 x 960 x 2080
Alarm	High/Low Temperature	Y
	Power OFF	Y
	Temperature Controller	Y
	Malfunction	,
	Backup Battery Malfunction	Υ
	Ambient Temperature	10~32
	Backup Battery Alarm for	72h
	Power Off	7211
Accessories	Castor	Y
Accessories	Outer Door/Type	2/Heating & Foam Glass Door
	Inner Door	6
	Test Hole	1/25mm
	Thermal Printer	Y
	Light	LED
	Temperature Recorder	Optional
Other	Certifications	ISO9001, 13485, 14001, CE







Thermal printer

Fan-assisted evaporator and LED lighting

Stainless steel perforated sliding drawers



PLATELET INCUBATOR

DSC SERIES

FEATURES

- A digital microprocessor temperature controller with LCD display and alarm back up power.
- Accurately controlling the cooling or heating process to maintain a constant temperature of 22° C.
- Temperature setting range: 20°C ~ 24°C.
- The precision of display and control is 0.1 ° C.
- Alarms: High/low temperature, power failure, sensor error, door ajar, backup battery for 72 hours.
- Extensions: Remote alarm interface

ULTIMATE INSULATION

The cabinet is insulated with a thick layer of high-density PU foam, effectively sealing and
maintaining the internal temperature. The door, constructed with the same insulation
material, is equipped with double-layer vacuum glass coated with LOW-E film. This design
ensures secure platelet preservation while providing enhanced safety measures.

TEMPERATURE LOGGING

The unit comes with a thermal printer as standard, which prints real-time temperatures at 5-minute intervals.

ELECTRICALLY HEATED GLASS DOOR

Fog or condensation often occurs when opening and closing the door. However, this can be
easily prevented with the electrically heated glass door, which quickly evaporate any
moisture.

HIGH QUALITY MATERIALS

• The units feature a high-quality coated cold-rolled steel exterior and stainless steel interior, anti-corrosive, and easy-to-clean properties. The agitator and racks are also constructed with stainless steel, ensuring reliability and hygiene.







AGITATION SYSTEM

System composition

The system consists of an agitator, stainless steel racks, and stainless steel drawers. The stainless steel racks are securely attached to the agitator platform and move in sync with the agitation motion. This design helps maintain platelets in a suspended state, preventing clumping or aggregation.







Foamed glass door

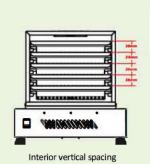


Thermal printer



Stainless steel interior









PLATELET INCUBATOR

MODEL	DSC-5	DSC-7	DSC-10	DSC-15
Drawer qty	5	7	10	15
Cooling system	Forced air	Forced air	Forced air	Forced air
Defrost	Auto	Auto	Auto	Auto
Refrigerant	R134a	R134a	R134a	R134a
Heating system	Electrical heating	Electrical heating	Electrical heating	Electrical heating
Noise(db)	48	48	48	48
Ambient temperature (°C)	10-32°C	10-32°C	10-32°C	10-32°C
Temperature range (°C)	22°C 2°C	22°C 2°C	22°C 2°C	22°C 2°C
Compressor QTY	1	1	1	1
Sensor	NTC	NTC	NTC	NTC
Temperature controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Display	LCD display	LCD display	LCD display	LCD display
Voltage(V)	187-242	187-242	187-242	187-242
Frequency(Hz)	50Hz	50Hz	50Hz	50Hz
Power Consumption(kWh/24h)	2.7	2.7	4.4	4.4
Power(W)	197W	197W	280W	280W
External material	Coated steel	Coated steel	Coated steel	Coated steel
Internal material	SUS 304	SUS 304	SUS 304	SUS 304
Insulation	CFC free PURF	CFC free PURF	CFC free PURF	CFC free PURF
Platelet bag(450ml) Qty	10	14	20	30
NT./GT.(kg)	65/87	65/87	85/108.5	85/108.5
Exterior size[WxDxH)(mm)	522x600x1056	522x600x1056	522x600x1305	522x600x1305
Interior size(WxDxH)(mm)	427x360x467	427x360x467	432x462x728	432x462x728
Package size (WxDxH) (mm)	584x707x1177	584x707x1177	584x707x1417	584x707x1417
Shipping CBM	0.5	0.5	0.6	0.6
20GP/40GP/40HQ	24/48/96	24/48/96	24/48/48	24/48/48
High/low temperature	Υ	Υ	Y	Υ
Power failure	Υ	Υ	Y	Υ
Controller failure	Υ	Y	Y	Υ
Sensor error	Υ	Υ	Y	Υ
Door ajar	Υ	Υ	Y	Υ
Power failure backup	72 hours	72 hours	72 hours	72 hours
Castor	Υ	Υ	Y	Υ
Leveling feet	N/A	N/A	Y	N/A









Model	DSC-5	DSC-7	DSC-10	DSC-15
Rack layer	5	7	10	15
Rack material	SUS 304	SUS 304	SUS 304	SUS 304
Drawer QTY	5	7	10	15
Drawer material	SUS 304	SUS 304	SUS 304	SUS 304
Platelet bag (450ml) Qty	10	14	20	30



-86°C Ultra Low Temperature Deep Freezer

DS-86L SERIES



Product Overview

Temperature Control System

- Controlled by micro-computer, LCD display touched screen;
 USB & RS485 data port for downloading the data.
- The inner temperature can be adjusted at the range of -40°c-86°c, the temperature regulation accuracy is 0.1°C.

Security Control System

- Multi malfunction alarms: high temperature alarm, low temperature alarm, sensor malfunction alarm, condenser dirty alarm, low battery alarm, power failure alarm, over pressure alarm, over ambient temperature alarm, open the door alarm and so on for safe use;
- Besides, you can check history alarming information and derive data. all the history data can be saved over 10 years;
- Three alarming methods: buzzer alarming, independent loon alarming, and remote alarming;
- Protection function: compressor power-on delay protection, time between power off; overpressure protection, password protection and normal operation protection under failure mode;
- Password protection can prevent parameters from being changed randomly;
- Display screen with running indication and communication status indication can show real-time operation of the freezer;
- The power switch has two-way fuse over-current protection, together with the power-on indicator light ensure safety.
 Refrigeration System
- Optimized cascade refrigeration technology, special evaporation system and condensation system, strong refrigerating efficiency;
- International famous brand compressor and EBM fan electromotor and oil separator, stable product performance, strong refrigerating efficiency;
- Enhanced sealing design: double door seal;
- Heating-free pressure-balanced valve (patent), easy to open the door, keep The cold at and avoid the freezer on fire.

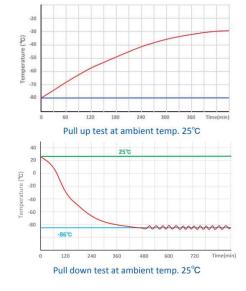
Humanized Design

- Unique handle design: the door can be opened by both hands, individual press lock on the handle and 2 padlocks;
- Wide voltage design can help it work stably under 198-254V;
- Can show the temperature curve and history data, and have derive data function;
- Press-out type dust removal cover with locks, simple and convenient for maintenance;
- Thermometer holes design for temperature examination.





Super-stable Cooling System





-86°C Ultra Low Temperature Deep Freezer

DS-86L SERIES

	Model No	DS-86L-435T	DS-86L-565T	DS-86L-705T		
Basic	Cabinet Type		Upright			
	Compartment		4/5			
	Door	2/4/5				
	Cooling Type		Direct Cooling			
	Ground Clearance (mm)		100/128			
Technical	Temperature Performance		-86°c			
Parameter	Refrigerant		R290 / R170			
	Power Consumption(kWh/day)	7.5 kwh	7.5 kwh	10 kwh		
	Power (W)	1300	1450	1600		
	Noise Level(db)		52			
-	Ambient Temperature (C)		10°c~45°c			
Temperature	Temperature Range (C)		-40°c~ -86°C			
	Compressor		1hp x 2			
	Temperature Uniformity		+3°c			
Controller	Temperature Controller	Microprocessor LCI	D display touched screen with 0.1°	c/1°c increment		
	Sensor Type	•	PT100/PT1000	•		
	Voltage / Frequency		220V/50Hz			
Electronic	Heat Output(W)	322	335	375		
parameter	Electricity (A)	7	7	7		
· ·	Capacity (L)	437	567	707		
	Net/Gross Weight(Kg)	300/330	317/350	359/350		
C!	Packing Size (W*D*H)mm	875x1144x2100	1005x1144x2100	1155x1144x2100		
Size	Outer Size (W*D*H)mm	790x1070x1990	920x1070x1990	1070x1070x1990		
	Inner Size (W*D*H)mm	460x720x1310	590x720x1310	740x720x1310		
	High / Low Temperature		Υ			
	Power Off		Υ			
	Abnormal Voltage		Υ			
	Sensor Malfunction		Υ			
Alama O	Filter Check		Υ			
Alarm &	Temp. Controller Malfunction		Υ			
System	Battery Backup Malfunction		Υ			
	Co2 Backup		Optional			
	Cryo racks/Cryo box		Optional			
	Ambient Temperature		Υ			
	Door Ajar	Ϋ́				
	Test Hole/Diameter	1/25mm				
Commontinity.	Foot	γ				
Connectivity	USB Port	Υ				
	Remote Alarm Contact	Υ				
	RS232/485 Port (4-20ma	Υ				
Utility &	Output) Dry Contacts					
certificates	Castor		Υ			
	Certification	ISO 9001, CI	Certified, FDA, IEC 60601-1 & IEC	61010-1		

Medal	Model Plan Freezer Rack Model	Plan	Freezer Rack Quantity Unit		Cryogenic Box Quantity unit		Cryogenic vial Quantity Unit (2ml)		
Model		Model		Spec	Quantity	Spec (Standard)	Quantity	9x9 grid	10x10 grid
DS-86L-435T	Α	DS-56-CQ-437	Side Type	5x5	12	2 inch	300	24300	30000
	В	DS-55-CT-437	Drawer Type	5x5	12		300	24300	30000
DS-86L-565T	Α	DS-56-CQ-567	Side Type	5x5	16	2 inch	400	32400	40000
	В	DS-56-CT-567	Drawer Type	5x5	16		400	32400	40000
DS-86L-705T	Α	DS-56-CQ-707	Side Type	5x5	20	2 inch	500	40500	50000
	В	DS-56-CT-707	Drawer Type	5x5	20		500	40500	50000



-40°C Ultra Low Temperature Deep Freezer DS-40L100



Product Overview

Construction

- Inner made of electro galvanized steel with antimicrobial coating to prevent microbial growth.
- Exterior of powder coated galvanized steel.

Temperature Control System

- Electronic thermostat control, digital display of the temperature inside the box, the temperature inside the box is adjustable from -10°C to -40°C.
- High and low temperature alarm control, the alarm temperature point can be set according to needs.

Safety

- Three types of fault alarms: high temperature alarm, low temperature alarm, and sensor failure alarm.
- Alarm type: sound buzzer alarm.

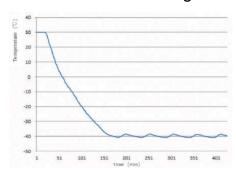
Refrigeration

- High quality compressor and high quality fan, fast refrigeration.
- Thickened insulation layer, ultra-microcellular foaming technology, good insulation effect.
- Fluorine-free foaming, fluorine-free refrigerant, green and environmentally friendly.
- Reasonable optimization of the evaporative condensation system design, strong refrigeration.

Humanity design

- The safety door lock design prevents random opening.
- With drawers in the box, it is convenient to use.
- Wide climate zone design, suitable for use in 10°C~32°C environment.
- Temperature measuring holes are deployed on the side for user convenience.







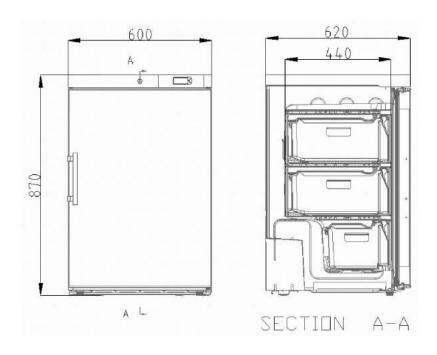




-40°C Ultra Low Temperature Deep Freezer

DS-40L100

Model			DS-40L100
	Cabinet Type		Upright
	Climate Class		SN
T. d. d. d. D. d.	Cooling Type		Direct cooling
Technical Data	Defrost Mode		Manual
	Refrigerant		HC
	Noise Level (dB(A))		53
Performance	Cooling Performance (°C)		-40
Performance	Temperature Range (°C)		-20~-40
Control	Controller		Microprocessor
Control	Display		LED
	Power Supply (V/Hz)		220/50
Electrical Data	Power (W)		110
	Electrical Current (A)		0.55
	Capacity (L/Cu.Ft)		100/3.5
	Net/Gross Weight (approx)	kg	38/40
		lbs	83. 6/88.0
	Interior Dimensions (W*D*H)	mm	410*440*630
Dimensions	interior Dimensions (W D H)	in	16. 1*17. 3*24. 8
Dimensions	Exterior Dimensions (W*D*H)	mm	600*620*870
	Exterior Dimensions (W+D+H)	in	23.7*24.4*34.3
	Packing Dimensions (W*D*H)	mm	630*645*905
	Facking Diffiersions (W D 11)	in	24. 8*25.4*35. 7
	Container Load (20'/40'/40'H)		54/114/114
Alarms	High/Low Temperature		у
Alditiis	Sensor Error		у
	Caster		у
Accessories	Foot		у
	Drawers		3
Certification	CE		у





-40°C Ultra Low Temperature Deep Freezer DS-40L277



Product Overview

Construction

- Inner made of electro galvanized steel with antimicrobial coating to prevent microbial growth.
- Exterior of powder coated galvanized steel.

Temperature Control System

- Microcomputer control, digital display, the inner temperature can be -20°C--40°C.
- Temperature control system, you can set the temperature alarm according to requirements;
- · Display ambient temperature;
- Memories function after power failure.

Security Control System

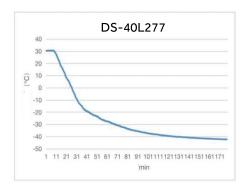
- Multi malfunction alarms: high temperature alarm, low temperature alarm, sensor malfunction alarm, open the door alarm, power failure alarm and low battery alarm, the remote alarm is accessible;
- Two alarming methods: buzzer alarming and digital flashing alarming;
- Protection function: power-on delay, time between stops;
- Keyboard lock function.

Refrigeration

- International famous brand compressor and EBM fan electromotor;
- Thickened temperature preservation layer, ultra-microcellular foaming technology, outstanding temperature preservation.
- CFC-free foaming, CFC-free refrigerant, more environmentally friendly;
- Optimized evaporation system and condensation system, strong cooling, low energy consumption.

Humanized Design

- Drawer design, convention for deposit;
- Pressure-balanced valve design, easy to open the door;
- Safety door lock prevents arbitrary open;
- Wide voltage design;
- Caster design at the bottom, free to move and easy to fix;
- LED digital temperature display in the door body, convenient for observation;
- Wide climate zone design, suitable for the ambient temperature of 10-32°C;
- Double sealed structure heating design prevents sealed strip from frosting.







Shelf Cooling





-40°C Ultra Low Temperature Deep Freezer

DS-40L277

	Model No	DS-40L277
	Cabinet Type	Vertical
Basic	Basket	4
	Lock with key	Yes
	Thermometer hole design	Yes
	Door	1
	Cooling Type	Direct Cooling
Technical	Ground Clearance (mm)	100/128
Parameter	Automatic/manual defrost	Manual
	Power(W)	340W
	Noise Level(db)	52
-	Ambient temperature in which the freezer	10°C~32°C
Temperature	operates Temperature Range (C)	-20~-40°C
	Temperature Controller	Electronic temperature controller
Controller	Ambient temperature display	Yes
Controller	Sensor Type	PT100/PT1000
Electronic	Voltage / Frequency	220V/50Hz
parameter	Capacity (L)	276
7	Net/Gross Weight(Kg)	106/125 kg
	Package Dimension (W×D×H) mm	790×811×1928
Size	Outer Size (W*D*H)mm	717×710×1745
	Inner Size (W*D*H)mm	506×505×1205
	High low temperature alarm-Buzzer alarm	Yes
	High low temperature alarm-Light alarm	Yes
	Sensor malfuction alarm-Buzzer alarm	Yes
Alarm	Sensor malfuction alarm-Light alarm	Yes
features	Open the door alarm-Buzzer alarm	Yes
	Open the door alarm-Light alarm	Yes
	Power failure alarm-Buzzer alarm	Yes
	Power failure alarm-Light alarm	Yes
	USB connection	Yes
	Battery backup for alarms (approx.72 hrs)	72 hours of power failure alarm, display the actual
Connectivity	Direct download of logged data on USB memory stick	temperature in the box Yes
	The control panel locking	Yes
	Castor	Universal wheels
Utility &	Adjustable legs	2
certificates	Certification	ISO 9001, CE Certified, FDA, IEC 60601-1 & IEC 61010-1
		01010-1



-40°C Ultra Low Temperature Deep Freezer DS-40L525



Product Overview

Suitable for hospitals, blood banks, scientific research institutions, electronic lab and chemical lab, bioengineering as well as in the electronics and chemical industry.

Construction

- Inner made of electro galvanized steel with antimicrobial coating to prevent microbial growth.
- Exterior of powder coated galvanized steel.

MAIN FEATURE

CFC- free technology CFC free refrigerant – R 290 Electronic temperature controller Safety door lock Malfuntion alarm LED lighting design

Optional: Wireless temperature monitoring kit with SMS notification system

Temperature Control System

- Microcomputer control, digital display of internal
- temperature accurate to 0.1°C, adjustable internal
- temperature -20 to -40°C

Safety

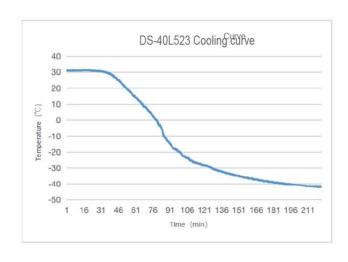
- Various fault alarms: High/low temperature alarm, sensor fault alarm, open door alarm, power failure alarm, battery under voltage alarm etc
- Double door, 100mm thick insulation layer, double seal inside and outside
- Thermal insulation

Refrigeration

• Fluoride-free refrigerant, green and environment friendly

Ergonomic design

 Wide voltage design, 10 separate drawers, universal wheels and fixed feet, door frame heated.











-40°C Ultra Low Temperature Deep Freezer

DS-40L525

	Model No	DS-40L525
	Cabinet Type	Vertical
Basic	Basket	6/4
	Lock with key	Yes
	Thermometer hole design	Yes
	Door	2
	Cooling Type	Direct Cooling
	Refrigerant	R404a
Technical	Ground Clearance (mm)	100/128
Parameter	Automatic/manual defrost	Manual
	Power	310W
	Noise Level(db)	52
	Ambient temperature in which the freezer	10% 70%
Temperature	operates .	10°C~32°C
	Temperature Range (C)	-20~-40°C
	Temperature Controller	Electronic temperature controller
Controller	Ambient temperature display	Yes
	Sensor Type	PT100/PT1000
Electronic	Voltage / Frequency	220V/50Hz
parameter	Capacity (L)	525
	Net/Gross Weight(Kg)	175/195 kg
Size	Outer Size (W*D*H)mm	945*861*1900mm
	Inner Size (W*D*H)mm	684*612*1184mm
	High low temperature alarm-Buzzer alarm	Yes
	High low temperature alarm-Light alarm	Yes
	Sensor malfuction alarm-Buzzer alarm	Yes
Alarm	Sensor malfuction alarm-Light alarm	Yes
features	Open the door alarm-Buzzer alarm	Yes
	Open the door alarm-Light alarm	Yes
	Power failure alarm-Buzzer alarm	Yes
	Power failure alarm-Light alarm	Yes
	USB connection	Yes
	Battery backup for alarms (approx.72 hrs)	72 hours of power failure alarm, display the actual
Connectivity	battery backap for diarris (approx.72 firs)	temperature in the box
Connectivity	Direct download of logged data on USB	Yes
	memory stick	163
	The control panel locking	Yes
	Castor	Universal wheels
Utility &	Adjustable legs	2
certificates	Certification	ISO 9001, CE Certified, FDA, IEC 60601-1 & IEC
		61010-1



DS-86L66 -40°C~-86°C Vertical Ultra-low Temperature Freezer



Product Overview

Suitable for hospital, blood-bank, center for Disease Prevention, scientific research institution, bioengineering, Animal Husbandry industry, pelagic fishery, electronic and chemical industry, etc. Used for the refrigeration of red and white cell, skin, skeleton, germ, virus, seminal fluid, biological products and for low temperature testing of electron devices and special materials.



Model	Capacity (L)	Inner Temp erature (°C)	Voltage (V/Hz)	Interior Dim ension (mm) (W*D*H)	Exterior Dimension (mm) (W*D*H)	Package Dimension (mm) (W*D*H)	Shelf (pc)	Power (W)	Net/Gross Weight (Kg)
DS-86L66	66	-40~-86	~220V/50	320*480*430	850*760*762	931*841*895	1	400	120/150



Product Features

TEMPERATURE CONTROL SYSTEM

Controlled by micro-computer, LCD display, touched screen; The inner temperature can be adjusted at the range of -40°C~-86°C, the temperature regulation accuracy is 0.1°C

SECURITY CONTROL SYSTEM

Multi malfunction alarms: high temperature alarm, low temperature alarm, sensor malfunction alarm, condenser dirty alarm, low battery alarm, power failure alarm, over pressure alarm, over ambient temperature alarm, open the door alarm and so on for safe use;

Besides, you can check history alarming information and derive data. All the history data can be saved over 10 years; Three alarming methods: buzzer alarming, independent icon alarming, and remote alarming;

Protection function: compressor power-on delay protection, time between power off; overpressure protection, password protection and normal operation protection under failure mode:

Password protection can prevent parameters from being changed randomly.

Display screen with running indication and communication status indication can show real-time operation of the freezer; The power switch has two-way fuse over-current protection, together with the power-on indicator light ensure safety.

REFRIGERATION SYSTEM

Optimized cascade refrigeration technology, special evaporation system and condensation system, strong refrigerating efficiency;

International famous brand compressor and EBM fan electromotor and oil separator, stable product performance, strong refrigerating efficiency;

Enhanced sealing design: double door seal;

Heating-free pressure-balanced valve (patent), easy to open the door, keep the cold air and avoid the freezer on fire;

HUMANIZED DESIGN

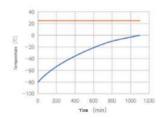
Unique handle design: the door can be opened by both hands, individual press lock on the handle and 2 padlocks;

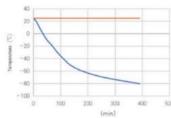
Unique "Thin Body" (only DW-86L348) design and detachable handle help the freezer go through the narrow doors;

Wide voltage design can help it work stably under 198-254V; Can show the temperature curve and history data, and have derive data function;

Press-out type dust removal screen with locks, simple and convenient for maintenance;

 $Thermometer\,holes\,design\,for\,temperature\,examination.$









DS-25L, 300/400L, -25~-10°C, DEEP FREEZER

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Efficient compressor, accurate temperature control

Suitable for hospital, blood-bank, center for Disease Prevention, scientific research institution, animal husbandry industry, electronic lab and chemical lab, etc

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Product Features

TEMPERATURE CONTROL SYSTEM

Controlled by micro-computer, digital display of inner temperature, the inner temperature can be adjusted at the range of $-18^{\circ}C^{-25^{\circ}C}$;

 $\label{thm:control} Temperature\ control\ system, you\ can\ set\ the\ temperature\ alarm\ according\ to\ requirements.$

SECURITY CONTROL SYSTEM

Three malfunction alarms: high temperature alarm, low temperature alarm, and sensor malfunction alarm; Two alarming methods: buzzer alarming and digital flashing alarming;

Protection function: power-on delay, time between stops..

REFRIGERATION SYSTEM

Famous brand compressor and fan motor;

Thickened temperature preservation layer, ultra-microcellular foaming technology, outstanding temperature preservation; CFC-free foaming, CFC-free refrigerant, more environmental friendly;

Optimized evaporation system and condensation system, strong cooling, low energy consumption.

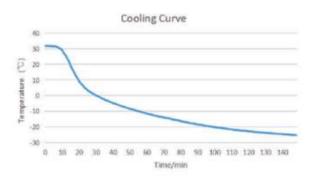
HUMANIZED DESIGN

Drawer design, convenient for deposit;

Wide voltage design;

Caster design at the bottom, free to move and easy to fix; Wide climate zone design, suitable for the ambience with temperature of $10^{\circ}\text{C}~32^{\circ}\text{C}$.

Safety door lock, preventing the door opened by chance. Pressure-balanced valve design, easy to open the door.





Model No.	Total Valid Volume (L)	Inner Temperature (°C)	Rated Voltage/Frequency	External Dimension (W×D×H) (mm)	Internal Dimension (W×D×H) (mm)
DS-25L300	300	-18~-25	~220V/50	600×625×1875	440×448×1673
DS-25L400	400	-18~-25	~220V/50	775×720×1900	605×529×1699



Single Glass Door Medical Refrigerator Covid Vaccine Storage



Product Overview

Darsun Medical-grade Pharmacy Refrigerators are designed with the unique needs of the pharmacy environment in mind and safely store vaccines, pharmaceuticals, chemotherapy and other products requiring safe cold storage. The digital display control panel ensure the temperature display accurately in 0.1





Product Features

MODEL	SHELF	CAPACITY L/CU.FT)	USB INTERFACE	CHAMBER/ OUTER SHELL	DOOR/TYPE/QTY	DIMENSIONS (W*D*H) (MM)
DSC-5V316	6	316/11.15	Optional	Color Sprayed Steel/Color Sprayed Steel	Heating Glass/1	660*555*1915
DSC-5V416	5	416/14.69	Optional	Color Sprayed Steel/Color Sprayed Steel	Heating Glass /1	785*552*1927



ELETRICALLY HEATED GLASS DOOR

Fog or condensation often occurs when opening and closing the door. However, this can be easily prevented which the electrically heated glass door, which quickly evaporate any moisture.



HIGH QUALITY MATERIALS

The Glass-door series products are made of high-quality coated cold-rolled steel both inside and outside, which is antibacterial, anti-corrosive, and easy to clean.



ULTIMATE UNIFORMITY

The cabinet maintain temperature within +/-3 degree throughout the entire compartment, ensuring confidence that items are stored at the correct temperature regardless of their placement in the chamber.



GREEN EARTH

Sustainable U.S. EPA, SNAP, and EU F-Gas compliant natural refrigerants and foaming agents support sustainability initiatives. The cooling system uses R290 which are environmentally friendly, having no impact on ozone depletion and a very low Global Warming Potential (GWP) grade.

Brand	DARSUN
Temperature Range	2°C~8°C
Capacity L	316, 416
Defrost	Auto
Cooling Type	Forced Air Cooling System
Temp. Controller	Microprocessor
Power Supply	220V/50Hz or 110V/60HZ
Ambient Temperature	10°C~32°C



Double Door(Glass Door) Medical Refrigerator For Pharmacy



Product Overview

2~8°C Pharmacy Refrigerator is widely used in hospitals pharmacy stores and laboratories. This is for placing and preserving storage Such as drugs, vaccines, enzymes, hormones, stem cells, extracted RNA and gene libraries and important biological and chemical reagents.



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Product Features

MODEL	SHELF/QTY	CAPACITY L/CU.FT)	USB INTERFACE	CHAMBER/ OUTER SHELL	DOOR/TYPE/QTY	DIMENSIONS (W*D*H) (MM)
DSC-5V656	Adjustable/10	656/23.16	Optional	Color Sprayed Steel	Self-Closing Glass/2	1240*630*1895
DSC-5V1006	Adjustable/10	1006/35.52	Optional	Color Sprayed Steel	Self-Closing Glass/2	1220*860*1885



PRECISE TEMP CONTROL

A digital microprocessor temperature controller with LED display and alarm back up power; The precision of display and control is 0.1 degree; Pre-set to 5 degree for pharmacy refrigerators; Audible and visual alarms; Internal USB data logger(optional)



OPTIMIZED FLUCTUATION

Maintain superior temperature stability, avoiding rapid and significant changes in temperature. This ensures that samples, medications, vaccines, and blood therapies are consistently stored in their optimal environment, without compromise.



LOCKABLE CABINETS

The refrigerators standard equipped with a built-in lock for each door, provides a secure storage space for your preservations.



FAST RECOVERY

Faster temperature recovery enen after prolonged door openings. The forced-air circulation system maintains consistent temperatures, ensuing that the bloodisstored at the right temperature even when the door is opened frequently.

Brand	DARSUN
Temperature Range	2°C~8°C
Capacity L	656, 1006
Defrost	Auto
Cooling Type	Forced Air Cooling System
Temp. Controller	Microprocessor
Power Supply	220V/50Hz or 110V/60HZ
Ambient Temperature	10°C~32°C



DSD-265, 100 Liter Freezer (-26~-10° C), 165 Liters Refrigerator (2-8° C) Pharmacy Refrigerator with Freezer

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Product Features

TEMPERATURE CONTROL SYSTEM

- 1. Microprocessor control system, refrigerator chamber and freezer chamber temperature can display at the same time;
- 2. Refrigerator chamber 2~8°C,
- 3. Freezer chamber 10--26°C;
- According to needs, you can close the refrigerator chamber Or freezer chamber independently.

SECURITY CONTROL SYSTEM

- Multi-malfunction alarms: high temperature alarm, low temperature alarm, sensor malfunction alarm, open the refrigerator chamber door alarm;
- 2. Two alarming methods: buzzer alarming, light flashing alarming;
- 3. Protection function: power-on delay, time between stops.
- 4. Refrigeration System
- 5. Optimized refrigeration technology makes the refrigerating capacity stronger;
- 6. CFC-free technology: it adopts CFC free refrigeration system and foam technology, good for environment protection;
- Air-cooling design in the refrigerator chamber can ensure stable temperature.

HUMANIZED DESIGN

- 1. LCD display;
- 2. Refrigerator chamber equipped with stainless steel shelves and freezer chamber with basket drawer;
- 3. Safe door lock design prevents arbitrary open;
- 4. Innovative door lock design locks the refrigerator and freezer chambers separately and protects the contents inside safe;
- 5. Refrigerator chamber and freezer chamber can be closed separately, energy-saving and intelligent;
- 6. Wide voltage design suits for wide range of voltage.

Model No.	Total Volume (L)	Inner Temperature (°C)	Voltage	Packing Dimension (W×D×H) (mm)
YCD-265	265L	2~8, -10~-26	220V/50W	656*696*1739

Heat- Dissipating Method	Net Weight	Туре	Over-Temperature Alarm
Direct	65	Cryobiology Cooling Device	with Alarm Function







DS-25L116/146 -25~-10°C DEEP FREEZER



Efficient compressor, accurate temperature control

Used to provide a low-temperature freezing environment for medical institutions to store plasma and other samples.



Product Features

TEMPERATURE CONTROL SYSTEM

- *Microcomputer control, digital display, the inner temperature can be $-10^{\circ}\text{C}--25^{\circ}\text{C}$:
- *Temperature control system, you can set the temperature alarm according to requirements.

SECURITY CONTROL SYSTEM

- *Four malfunction alarms: high temperature alarm, low temperature alarm, sensor malfunction alarm, open the door alarm:
- *Two alarming methods: buzzer alarming and digital flashing alarming;
- *Protection function: power-on delay, time between stops, keyboard lock.

REFRIGERATION SYSTEM

- *Famous brand compressor and fan motor:
- *Thickened temperature preservation layer, ultra-microcellular foaming technology, outstanding temperature preservation;
- *CFC-free foaming, CFC-free refrigerant, more environmentally friendly:
- *Optimized evaporation system and condensation system, strong cooling capacity.

HUMANIZED DESIGN

- •Drawer design, convenient for deposit:
- •*Pressure-balanced valve design(except DS-25L116/146), easy to open the door:
- *Safety door lock prevents arbitrary open:
- *Wide voltage design;
- *Caster design at the bottom, free to move and easy to fix:
- *Wide climate zone design, suitable for the ambient temperature of $10\text{--}32^{\circ}\text{C}$.







Model	Capacity (L)	Inner Tempera ture	Voltage (V/HZ)	Interior Dimension (mm)	Exterior Dimension (mm)	Package Dimension (mm)	Drawer/ Basket	Power (W)	Net/Gross Weight(kg)
DS-25L116	116	-10~-25	230V/50	370*425*828	519*600*1120	583*661*1157	4/-	85	40/44
DS-25L146	146	-10~-25	230V/50	370*425*1013	519*600*1357	583*661*1357	6/-	95	44/48



HARD TOP CHEST FREEZER

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Product Feature

These 2-in-1 hard top chest freezers from Darsun conveniently double up as chillers at the turn of a knob and are available in a wide variety of sizes ranging from 145 to 780 litres to suit every conceivable need. You can also choose between single and double lid variants.

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Model	DSC-400DM5	DSC-588DM5	DSC-588DM5
Star Rating	5	5	5
Gross Volume (Litres	383	524	734
Dimensions wxdxh (mm)	1235x745x905	1645x745x905	1860x855x905
Temperature Range	≤-20°C	≤-20°C	≤-20°C
Power (W):	300	380	300
Refrigerant:	R290	R290	R290
Lock	Yes	Yes	Yes
Defrost	Manual	Manual	Manual
No. of Lids / Doors	2	2	2
No. of Baskets	1	1	1
Wheels / Castors	Yes	Yes	Yes
Certification		CE/ISO	









MICROPLATE READER DS-1260

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- 1. New design and advanced operation system
- 2. Touch screen, 10.4 inch capacitive touch screen, Work individually or via PC
- 3. Windows Operation System
- 4. 8 channel optical fiber scanning
- 5. Pre-configured analysis modes absorbance, cut-off, kinetic
- 6. Single or dual wavelength measurements
- 7. Performing 12 different tests just in one plate
- 8. Multiplicate report formats of patient information
- 9. Programmable assays.
- 10. Auto Lamp adjustment and automatic calibration.
- 11. Visual and audible alarms for: light source malfunctioning, incorrect filtering, system failures.
- 12. Stable memory stores up to 200,000 test data, 500 test projects
- 13. User interface user-friendly, easy to programme and can update software online, Onboard with capability for easily connect to PC







Microplate types	96/ 48 -well plate
Photodetector	Silicon Photodiode
Light source	8v/50w Controlled tungsten halogen lamp
Wavelength range	400nm~800nm
Standard filters	405,450,492,630nm & 4 optional
Reading range	0.000~4.000A
Resolution	0.0001 OD
Accuracy	±0.005
Linearity (absorbance)	±2.0 %
Reproducibility	0.2%
Stability	±0.003A
Reading Speed	Single Wavelength ≤3s ;Double Wavelength ≤6s
Shaking	Integrated plate shaker (linear shaking), 3 speeds
Printer	Built-in Thermal Printer, optional external printer
Interface connections	2xUSB-A,1xUSB-B,1xRS-232,1xPrinter
Power supply	100~240V, 50~60Hz , Type B plug
Dimensions	475(L)x350(W)x210(H)mm
Net weight	11.5kg



MICROPLATE WASHER DS-1261

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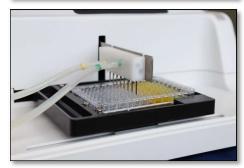
- 1. 4.3 inch capacitive touch screen display
- 2. Whole plate washing or single strip washing.
- 3. Washing capability for single strips, strip plates and up to 96 well plates.
- 4. Microplate and well bottom shape auto-detection, allows washing flat, V-bottom or U-bottom strips and well plates.
- 5. 12-way and 8-way manifold included.
- 6. Low residual volume by two pipettes
- 7. Complete bottom washing, Line wash function.
- 8. Fluid reservoirs with a capacity of 1L for washing, rinsing solutions and waste.
- 9. Automatic monitoring of vacuum and pressure, automatic rinse cycle
- 10. Washing methods: plate wash, strip wash, bottom wash, overflow wash, rinsing, dispensing, priming, aspirate, shake, soak and disinfection.
- 11. Visual and audible alarms for power supply failure, wash interruption, low liquid level, waste container full and/or system failure.
- 12. Flat, V-bottom or U-bottom plate and strips washing
- 13. Large memory to store up to 120user programmed wash protocols
- 14. Inbuilt mergency stop and liquid warning.

Display	Capacitive touch screen display		
Channel	1Wash channel + 1Rinse channel		
Manifold	8 pins and 12 pins		
Wash mode	Strip mode and plate mode		
Wash strips	1~12 adjustable		
Applicablewell	Flat,V-bottom or U-bottom		
Wash time	0~99 times adjustable		
Soak time	0~999minand 0~999s adjustable		
Shake time	0~999 min and 0~999s adjustable		
Residual volume	≤1µL/well		
Liquid volume	50~9999μ1/well		
Sip time	0.1~9.9s		
Storage capacity	More than 120 user defined wash board		
	procedures		
Power supply	100240V,50~60Hz		
Dimensions	448(L)x382(W)x163(H)mm		
Net weight	8kg		
Communication ports	RS232		
Operating environment	Temperature 5 -C ~40 -C ,Max, Humidity		
	80%		











PCR Thermal Cycler

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Product Overview

The thermal cycler is basic instrument in molecular laboratories and is mainly used for gene amplification In scientific research and clinical area, qualitative PCR gene amplification, gene chip or other gene analysis applications. The gradient thermal cycler has gradient function, which can quickly Increase and decrease the temperature. It can achieve temperature uniformity In a single process and can quickly and stably complete polymerase chain reaction (PCR) experiments.



Product Features

- 1. Portable and compact design
- 2. Elastic structure hot lid design, adaptable to 96-well micro plate or 0.1/0.2ml PCR tube Using high-quality pettier, ensure excellent temperature uniformity
- 3. The heating and cooling rate can reach to 5.5°C/s, saving experimental time
- 4. Humanized standard program file template, which can quickly edit experimental files Automatic fault detection and alarm function



Elastic hot lid revents reagents from evaporating



Color touch screen friendly user interface, simple programming, can quickly check working status



Excellent cooling system efficient heat dissipation, fast heating and cooling speed







precise pettier temp control technology

Model	DS96S	DS96G
Temp mode	Standard	Gradient
Power(KW)	1.4	2
Sample capacity	96x1.1 /0.2ml PCR	tube/96-wells microplate
Block temp control range	4	~105°C
Hot lid temp control range	30	0~110°C
Temp display accuracy	=	±0.1°C
Temp control accuracy	±0.3°C	
Temp uniformity	±0.3°C	
Display	double rows digital tube display	
Max temp change rate	5.5°C/s	
Gradient setting range	/	30~105°C
Gradient span	/	1~42°C
Heating module material	Aviation aluminum	
Display	7-inch color touch screen	
User defined file storage	676 Files	
Power outage protection	Yes	
Dimension	L270xW240xH150mm	
Weight	4.8kg	
Power supply	100~240V;50/60HZ	



Advanced Single Beam Microprocessor UV-VIS Spectrophotometer With Scanning Software



Product Features

- 1. Large LCD screen (128*64) Dots
- 2. Can display and save 50 groups of data, 5 groups per screen
- 3. Data can be restored after a sudden power cut
- 4. Auto setting Wavelength
- 5. Tungsten lamp & deuterium lamp can be turned on/off individually to extend lifetime
- 6. Automatic WL. Calibration and dark current
- 7. Getting. With Scanning





UV-VIS
Spectrophotometer
Single Beam 295
Models are designed
for reliable continuous
operation. It is easy to
use, throughly reliable
and above all low cost.



Model	DSB-295
Optional System	Single - Beam, Grating
Wavelength Range	190 - 1000nm
Bandwidth	2nm
Wavelength Accuracy	±1nm
Wavelength Repeatability	0.5nm
Wavelength Setting	Auto
Photometric Accuracy	±0.5%T
Photometric Repeatability	0.3%T
Photometric Range	-0.3-3A,0-200%T
Stray Light	<0.3%T
Stability	±0.002A/h @500nm
Display	128*64 Dots LCD
Detector	Silicon Photodiode
Standard Cell Holder	4-position 10-100 mm cell changer
Light Source	Tungsten & Deuterium lamp
Output	USB port & Perallel port (printer)
Power Requirements	AC 85 - 250V
Dimension	420x280x180mm
Weight	20kg

FIRMWARE FUNCTIONS

T Mode: Continously measure the Transmitttance of Sample



START



A Mode: Continously measure the Absorbance of Sample



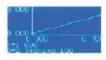
START



C Mode: Standard Curve method, can use at most 9 standard samples to create a new standard curve, and to measure the unknown samples by the new one



START



F Mode: Coefficient Method, Input the known K and C to measure the unknown concentration samples.



START



STANDARD CONFIGURATION

Main Set	1 No.
USB Cable	1 No.
Accessory kit. including a 4 glass cell (10 mm)	1 No.
2 Quartz Cell (10 mm)	1 No.
Operating Manual Software Manual	1 No.
Dust Cover	1 No.
Software CD	1 No.
Power Cable	1 No.



Microprocessor UV-VIS Double Beam Spectrophotometer DSB-2704



Product Features

- 1. Double beam optical system
- Low noise and Low stray light 2.
- 3. Large LCD display, can display curve
- High quality grating, detector and lamps 4.
- 5. Data and Curve can be stored in real-time
- 6. Auto setting WL, auto Blank
- 7. Lamps can be turned on/off individually
- Easy to change Pri-aligned lamps 8.
- Reinforced baseboard and bracket assures durability
- *Design & specification are subject to change without any prior notice. *

Function

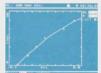
- Photometric: T%, Abs
- Quantitative: Standard Curve
- System Utility
- WL Scan (Spectrum Scan)
- Time Scan (Kinetics)
- **DNA/Protein Test**

Model	DSB-2704
Wavelength Range	190-1100nm
Spectral Bandwidth	1nm
Optical System	Double Beam, Blazed Holographic
	Grating (1200 lines/mm)
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	50.2nm
Wavelength Setting	Auto, Resolution 0.1 nm
Photometric Range	0-200%T, -4-4A, 0-9999C
Displacement with A services of	±0.002 A (0-0.5A), ±0.003A
Photometric Accuracy	(0.5-1A), ±0.3%T (0-100%T)
Dhotomotric Donostability	50.001 A (0-0.5A), 50.002A
Photometric Repeatability	(0.5-1A), 50.2%T (0-100%T)
Stray Light	50.05%T(220/360nm)
Saan Snood	High, Medium, Low.
Scan Speed	Max.2000nm/minute
Baseline Flatness	±0.0015A
Stability	±0.001A/h (500nm,0A)
Noise	50.2%T/3min (250/500nm,0%T);
Noise	50.5%T/3min (250/500nm,100%T)
Sample Compartment	10mm Pathlength Cuvette
Detector	Silicon Photodiode
Lamps	Tungsten Lamp & Deuterium Lamp (Pre-
Lamps	aligned)
Display	Graphic LCD (320*240 Dots)
Keypad	30-key Alphanumeric Membrance Keypad
Output Port	USB Port
Printer	Mini Serial Printer; PC Printer
PC Software	UV Analyst Scanning Software
Power Requirements	AC90-250V, 50/60Hz
Dimension	545x468x245
Weight	18kg



BASIC MODE

To measure the Absorbance and



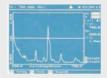
QUANTITATIVE

- Coefficient Method
- Standard Curve Up to 10 Standard sample may be used to establish a curve. Four methods for fitting a curve through the calibration points: Linear fit. Linear through zero, Square and cubic fit.



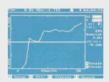
DNA/PROTEIN TEST

Concentration and DNA purity are quickly and easily calculated: Absorbance rations: 260 nm / 280 nm with optional subtracted absorbance at 320 nm. DNA concentration = 62.9XA260-36.0XA280 Protein concentration 1552xA260-757.3xA 280



WAVELENGTH SCAN

- The wavelength scan intervals are 0.1,0.2,0.5,1,2,5 nm
- High, Medium and low scan speed are available. They vary from 100 to
- 3600 nm/min Wavelength are scanned from high to low so that the instrument waits at high WL. And it minimizes the degradation of UV sensitive samples.



KINETICS

Abs vs time graphs is displayed on the screen in real time wait time and measurement time up to 12 hours may be entered with time interval of 0.5,1,2,5,10,30 seconds and one min. Post-run manipulation includes re-scalling, curve tracking and selection of the part of the curve required for rate calculation. Rate is calculated using a linear regression algorithm before multiplying be the entered factor

APPLICATIONS

- Medicine/Pharmaceutical Industry
- **Environment Monitoring**
- Commodity Inspection
- Food Inspection
- Agricultural Chemistry
- Metallurgy
- Geology
- Machine Manufacturing
- Petrochemical Industries Water and Waste water Labs
- Teaching in Colleges & Universities . Food and beverages Labs

1 No.

1 No.



CONFIGURATION		
Glass Cell	4 Nos.	
Quartz cells	2 Nos.	
nstruments Cover	1 No.	
Software CD	1 No.	
JSB Cable	1 No.	
Operational Manual	1 No.	

Software Manual

Software key

STANDARD

70



ULTRA-MICRO SPECTROPHOTOMETER

DSD-2112B



- Light Source Flickering: The low-intensity stimulation allows for faster
- 2. Light Source Flickering: The low-intensity stimulation allows for faster detection of the sample, and it is less prone to degradation;
- 3. 4-Path Detection Technology: offering improved stability, repeatability, better linearity, and a broader measurement range:
- 4. Sample Concentration: Samples do not require dilution;
- 5. Fluorescence Function: Can detect dsDNA with concentrations at the pg level;
- 6. Easy-to-use data-to-printer options with a built-in printer, allowing you to directly print reports;
- 7. Developed with an independent Android operating system, featuring a 7-inch capacitive touch screen.







Model	DSD-2112B
Wavelength Range	190-850nm
Light Range	0.02mm, 0.05mm (High concentration measurement)0.2mm, 1.0mm
	(General concentration measurement)
Light Source	Xenon flashing light
Absorbance Accuracy	0.002Abs(0.2mm Light Range)
Absorbance Range(Equivalent to 10mm)	0.02-300A
<u> </u>	Absorbance range: 0~6.000 AbsAbsorbance stability:
OD600	[0,3)≤0.5%,[3,4)≤2%
OD600	Repeatability of absorbance: 0,3)≤0.5%, [3,4)≤2%
	Absorbance Accuracy: [0,2)≤0.005A,[2,3)≤1%,[3,4)≤2%
Operation Interface	7 inch touch screen; 1024×600HD display
Sample Volume	0.5-2μL
Nucleic Acid/Protein Testing Range	0-27500ng/µl(dsDNA); 0.06-820mg/ml BSA
Fluorescence Sensitivity	DsDNA: 0.5pg/μL
Fluorescence Linearity	≤1.5%
Detectors	HAMAMATSU UV-enhanced; CMOS Line Array Sensors
Absorbance Accuracy	±1%(7.332Abs at 260nm)
Testing Time	<5S
Power Consumption	25W
Power Consumption at standby	5W
Power Adapter	DC 24V
Dimensions ((W×D×H))	200×260×65(mm)
Weight	5kg



Double Beam Microprocessor UV-VIS Spectrophotometer DSB-2802 PS





Product Features

- 1. The valid temperature range is from 15°C to 65°C
- The valid sampling time range is from 30s to 10ml..., 2.
- 3. The valid peristaltic pump speed range is from 1 to 12
- The sampling speed is about 50ml/min. 4.
- 5. Power supply is 220±22V@50±1Hz or 110±11V@60±1Z

Function

- Wide Wavelength range, satisfying requirements various fields.
- Fully automated design, realizing the simplest measurement & satisfying the requirement of pharmacopeia
- Maximum of 9 Wavelength & 8 Sample can be measured at one time
- Automatic change over Between W lamp & D2 lamp
- Optimized optics and large scale integrated circuits design, light source and receiver
- From world famous measurement methods alladd up to high performance and reliability.
- Rich measurement methods: wavelength scan, time scan, multi wavelength Determination multi - order derivative determination, double-wavelength method and triple wavelength methods etc, meet difference measurement requirement
- Automatic 10 mm 8 cell holder
- Data Output can be obtained via a printer port and a USB interface
- Parameters and data can be saved for user's convenience.
- PC controller measurement can be achieved for more accurate and flexible requirement

Model	DSB-2802 PS
Optional System	Double Beam (1200 Lines/nm Grating)
Wavelength Range	190-1100nm
Mode	Basic/Quantative/Wavelength Scan/DNA
	Protein Test/Kinetics/Multi Wavelength Mode
Scanning Speed	Mode Fast/Medium/Low
Band Width	1nm
Wavelength Accuracy	±0.3nm
Wavelength Repeatability	0.2nm
Photometric Accuracy	±0.3% T
Photometric Repeatability	0.2 % T
Photometric Display Range	0-200% T-0.3-3.0A, 0-9999 C
Stability	±0.001A/h @500nm
Baseline Flatness	± 0.001A
Noise	± 0.001A
Stray Light	<0.05%@220nm&360nm
Data Output Port	USB
Printer Port	Parallet Port
Display	Graphic LCD (320 X240 Dots)
Lamps	Deuterium Lamp & Tungsten HalogerLamp
Detector	Silicon Photo diode
Packing Dimension	860 x 660 x 465 nm
Weight	26 kg



BASIC MODE

To measure the Absorbance and transmittance

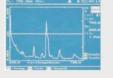
QUANTITATIVE

- Coefficient Method
- Standard Curve Up to 10 Standard sample may be used to establish a curve. Four methods for fitting a curve through the calibration points: Linear fit. Linear through zero, Square and cubic fit.



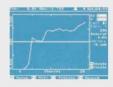
DNA/PROTEIN TEST

Concentration and DNA purity are quickly and easily calculated: Absorbance rations: 260 nm / 280 nm with optional subtracted absorbance at 320 nm. DNA concentration = 62.9XA260-36.0XA280 Protein concentration 1552xA260-757.3xA 280



WAVELENGTH SCAN

- The wavelength scan intervals are 0.1,0.2,0.5,1,2,5 nm
- High, Medium and low scan speed are available. They vary from 100 to 3600 nm/min
- Wavelength are scanned from high to low so that the instrument waits at high WL. And it minimizes the degradation of UV sensitive samples.



KINETICS

Abs vs time graphs is displayed on the screen in real time wait time and measurement time up to 12 hours may be entered with time interval of 0.5,1,2,5,10,30 seconds and one min. Postrun manipulation includes re-scalling, curve tracking and selection of the part of the curve required for rate calculation. Rate is calculated using a linear regression algorithm before multiplying be the entered factor

APPLICATIONS

- Medicine/Pharmaceutical Industry
- Environment Monitoring
- Commodity Inspection
- Food Inspection
- Agricultural Chemistry
- Metallurgy
- Geology
- Machine Manufacturing Petrochemical Industries
- Water and Waste water Labs
- Teaching in Colleges & Universities . Food and beverages Labs

STANDARD

CONFIGURATION Glass Cell 4 Nos. Quartz cells Instruments Cover 1 No. Software CD 1 No USB Cable 1 No. Software Manual 1 No. Software key 1 No. Flow Cell

ACCESSORIES

- · Control Unit.
- Cell holder with Peltier System. (It's already pre-loaded into the compartment
- of the spectrophotometer).

 Control Cable (to connect the Control Unit with the Cell holder with Peltier System).
- Peristaltic pump pipe. (It's already pre-loaded into the pump valve of the Control
- · Power Cord.



Touch Screen Double Beam UV-VIS Spectrophotometer DSB-2900



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Product Features

- Double beam UV-VIS spectrophotometers adopt double beam optical system, and blazed holographic gratings. They have outstanding test precision and very competitive prices.
- 8 inch color touch-screen, cutting-edge user interface, powerful functions, and easy operation.
- With powerful functions, the equipment shows great
- performance in qualitative and quantitative testing, such as
 - Full spectrum scanning
 - Linear regression
 - Detailed spectrum scanning
 - Concentration direct reading
 - Time based kinetics determination
 - Peak/ Valley detecting
 - GOTO
 - Multi-wavelength measurement
- The equipment is designed with sophisticated power protection system, With high capacity of internal memory, it can store testing results, scanned images, regression equations and correction data. Therefore, it follow a fast initialization when power on.
- The instrument can be connected with dedicated printer, which can print testing results, or draw curve from spectral scanning, fixed wavelength time-based scanning, and linear regression.
- With USB COM port the device can be connected to a PC, which can not only enhance the performance in data testing and spectrum scanning, but also expand the memory to save more testing results.
- Double beam optical system
- 8 inch color touch-screen
- Automatic zero and full scale
- Adjustment
- Automatic wavelength settings
- Equipped with USB COM port
- UV WIN8 Spectrum Data
- Processing Software optional
- Thermal plotter Optional

STANDARD ACCESSORIES

- Operation manual -1
- Quartz Cuvette 1cm -2pcs
- Power Cable -1
- Fuse -2pcs



Model	DSB-2900
Display	High Resolution Touch Screen LCD Colour
	Graphical display with Built-in Window PC
Monochromator	Concave holographic grating with 1200 llnes/mm
Wavelength	The Complete Wavelength For Instrument 190-1100
Resolution	0.2nm
Accuracy	±1nm
Repeatability	±0.5nm
Spectral Bandwidth	<2nm
Measuring Modes	%Transmittance (% T), Absorbance (ABS).
	Concentration (CONC) by K-Factor and multi
	Standards
Operating Modes	Single wavelength: Measuring % T, ABS and CONC.,
	Spectrum time scan, measuring % T and ABS
Source	Tungsten Halogen Lamp
Power	230 V ± 10%, 50Hz
Standard Accessories	10 mm path length four (4) Cuvettes matched with \pm 0.3%
Certification	Availability of UL/CE Certifications as per EN
	61010-1:2010 safety requirements for electrical
	equipment for measurement, control and laboratory
	use General requirements.
	Conformance to EMC/EMI as per EN 61326-1:2013
	Electrical equipment for measurement, control and
	laboratory use.
	Availability of Test Reports from Central Govt./NABL
	Approved/ILAC accredited labto prove conformity
	to the specification.



Ventilated | Low speed | Benchtop

DST-500



Product Overview

The DST-500 offers exceptional user comfort and a choice of 6 rotors, including the most popular swing out rotors for 15ml and 50ml tube. It adopts intelligent LCD touch screen, easily operate with gloves. Thanks to the strong operation system, it supports the multi-stage centrifugation and can store up to 1000 programs.



Product Features

USER-FRIENDLY FUNCTIONS

- >up to 1000 user-defined programs
- >up to 1000 run histories, can be exported via USB
- >up to 40 rates acceleration and deceleration
- >up to 5 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s incremen

ENSURE SAFETY

- >Microprocessor control
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device

LCD TOUCH SCREEN

- >Simple and clear to show all parameters
- >Touch screen, easy to set parameters
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

GOOD COMPONENTS

- >Motor: Variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- > Chamber: Food grade 304 stainless steel.

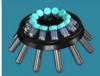
anticorrosion and easy to clean

- >Rotor: Aluminum alloy fixed angle rotor;
 - Stainless steel swing out rotor.
- >Rotors are autoclavable

DST-500
5000rpm
4650xg
6x50ml
1s to 99h59m59s
±10rpm
≤60dB(A)
500W
495x400x420mm
27kg







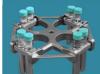
Rotor: Fixed angle rotor Capacity:12x15ml Max Speed:5000rpm Max RCF:3558xg Tube Size:17x121mm



Rotor: Swing out rotor Capacity:16x15ml Max Speed:5000rpm Max RCF:4620xg Tube Size:17x121mm Can choose adapters for blood tubes



Rotor: Fixed angle rotor Capacity:6x50ml Max Speed:5000rpm Max RCF:3558xg Tube Size:29x116mm



Rotor: Swing out rotor Capacity:8x15ml Max Speed:5000rpm Max RCF:4620xg Tube Size:17x121mm



Rotor: Swing-out rotor Capacity:24x7ml blood tube Max Speed:5000rpm Max RCF:4650xg Tube Size:13x75-100mm



Rotor: Swing out rotor Capacity:4x50ml Max Speed:4000rpm Max RCF:2976xg Tube Size:29x116mm



Ventilated | Low speed | Benchtop

DST-600







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Product Overview

The DST-600 offers exceptional user comfort and a choice of 6 rotors, including the most popular swing out rotors for 15ml and 50ml tube. It adopts intelligent LCD touch screen, easily operate with gloves. Thanks to the strong operation system, it supports the multi-stage centrifugation and can store up to 1000 programs.

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Product Features

USER-FRIENDLY FUNCTIONS

- >up to 1000 user-defined programs
- >up to 1000 run histories, can be exported via USB
- >up to 40 rates acceleration and deceleration
- >up to 5 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment

ENSURE SAFETY

- >Microprocessor control
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device

LCD TOUCH SCREEN

- >Simple and clear to show all parameters
- >Touch screen, easy to set parameters
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

GOOD COMPONENTS

- >Motor: Variable frequency motor.
- stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: Food grade 304 stainless steel.
- anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor;
- Stainless steel swing out rotor.
- >Rotors are autoclavable

Model	DST-600
Max speed	6000rpm
Max RCF	5123xg
Max capacity	6x50ml
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤60dB(A)
Power consumption	500w
Dimension	495x400x310mm
Net weight	25kg





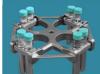


Order No.:10101200150 Rotor: Fixed angle rotor Capacity:12x15ml Max Speed:6000rpm Max RCF:5123xg Tube Size:17x121mm





Order No.:10100600500 Rotor: Fixed angle rotor Capacity:6x50ml Max Speed:6000rpm Max RCF:5123xg Tube Size:29x116mm



Order No.:10000800150 Rotor: Swing out rotor Capacity:8x15ml Max Speed:5000rpm Max RCF:4620xg Tube Size:17x121mm



Order No.:10002400077 Rotor: Swing-out rotor Capacity:24x7ml blood tube Max Speed:5000rpm Max RCF:4650xg Tube Size:13x75-100mm



Order No.:10000400500 Rotor: Swing out rotor Capacity:4x50ml Max Speed:4000rpm Max RCF:2976xg Tube Size:29x116mm



Ventilated | Low speed | Benchtop

DST-6M



Product Overview

DST-6M is a non-refrigerated large capacity centrifuge with a maximum capacity of 2L, which suitable with 0.2mL-500mL tube/bottle,standard blood tube and microplate. Also provide the rotor with biosafety cap for choice, can meet dierent centrifugal requirements



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Product Features

USER-FRIENDLY FUNCTIONS

- >12 user-dened programs
- >19 rates acceleration and deceleration
- >1m to 9999min59s timer range
- >LCD screen shows all parameters simply and clearly
- >RCF can be set directly
- >RPM and RCF cove automatically
- >User can reset parameters when rotor is spinning

ENSURE SAFETY

- >Microprocessor control
- >Imbalance detection by three axis gyroscope
- ¢rifugation stop with display of error
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Po in the door for calibration and operation checking
- >Emergency door lock release

GOOD COMPONENTS

- $\verb|>Motor: Variable frequency motor.|\\$
- stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: Food grade 304 stainless steel.
- anticorrosion and easy to clean
- >Rotor: Aluminum alloy xed angle rotor;
- Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable





Model	TD-6M
Max speed	6000rpm
Max RCF	5200xg
Max capacity	4x50ml
Timer range	1s to 99h59m59s

Speed accuracy	±10rpm
Noise	≤60dB(A)
Power consumption	500w
Dimension	495x400x310mm
Net weight	25kg



AVAILABLE ROTORS DST-6M

No.1



Rotor: Swing out rotor Capacity: 4×100ml Max speed: 5000rpm Max RCF: 4650×g Tube size: Ф38×114mm



Order No.:10000400500 Rotor: Swing out rotor Capacity: 4×50ml Max speed: 5000rpm Max RCF: 4650×g Tube size: Ф30×116mm

No.2



Order No.:10003200150 Rotor: Swing out rotor Capacity: 32×15ml Max speed: 4000rpm Max RCF: 2980×g Tube size: Ф17×121mm



Order No.:10000800500 Rotor: Swing out rotor Capacity: 8×50ml Max speed: 4000rpm Max RCF: 2980×g Tube size: Ф30×116mm



Order No.:10000801000 Rotor: Swing out rotor Capacity: 8×100ml Max speed: 4000rpm Max RCF: 2980×g Tube size: Ф38×114mm



Rotor: Swing out rotor
Capacity: 48*2~7ml/seed tube
Max speed: 4000rpm
Max RCF: 3100*g
Tube size: Ф13*75~100mm

No.2



Order No.:10006400077

Rotor: Swing out rotor
Capacity: 64×2~7ml blood tube
Max speed: 4000rpm

Max speed: 4000rpm Max RCF: 3100×g Tube size: Φ13×75~100mm

No.3



Order No.:10000402500
Rotor: Swing out rotor
Capacity: 4×250ml
Max speed: 5000rpm
Max RCF: 5200×g
Tube size: Ф63×111mm

Capacity	Order No.
8×50ml	10200800502
4×100ml	10200401000
36×10ml	10203600100
40x7ml blood tube	10204000077
20×15ml	10202000150

No.4



Order No.:10000600024
Rotor: Microplate rotor
Capacity: 2×3×96 well plate
Max speed: 4000rpm
Max RCF: 1970×g
max: 128×87×60mm

No.5



Order No.:10000405000

Rotor: Swing out rotor Capacity: 4×500ml Max speed: 4000rpm Max RCF: 3400×g Tube size: Ф80×137mm



Order No.:10004000150

Rotor: Swing out rotor Capacity: 40×15ml Max speed: 4000rpm Max RCF: 3400×g Tube size: Ф17×121mm



Order No.:10201600500(normal) Order No.:10201600501(aerosol tight) Adapter in 4*500ml(normal) Adapter in 4*500ml(aerosol tight) Capacity: 16*50ml

Max speed: 4000rpm Max RCF: 3400×g Tube size: Φ29×116mm



Order No.:10008000107

Rotor: Swing out rotor Capacity: 80×10ml blood tube Max speed: 4000rpm Max RCF: 3400×g Tube size: Ф15×100mm



Order No.:10203600150(normal) Order No.:10203600151(aerosol tight) Adapter in 4*500ml(normal)

Adapter in 4*500ml(aerosol tight) Capacity: 36×15ml Max speed: 4000rpm Max RCF: 3400×g Tube size: Ф17×121mm



Order No.:10011200077

Rotor: Swing out rotor
Capacity: 112×2~7ml blood tube
Max speed: 4000rpm
Max RCF: 3400×g
Tube size: Ф13×75~100mm



Order No.:10207600077 (normal)
Order No.:10207600071 (aerosol tight)
Adapter in 4*500ml(normal)
Adapter in 4*500ml(aerosol tight)
Capacity: 76×2~7ml blood tube
Max speed: 4000rpm

Max speed: 4000rpm Max RCF: 3400×g Tube size: Φ13×75~100mm



Order No.:10010000020

Rotor: Swing out rotor Capacity: 100×1.5ml Max speed: 4000rpm Max RCF: 3400×g Tube size: Ф11×42mm



Order No.:10002000500

Rotor: Swing out rotor Capacity: 20×50ml Max speed: 4000rpm Max RCF: 3400×g Tube size: Ф29.5×116mm



Order No.:10014800050

Rotor: Swing out rotor Capacity: 148×5ml RIA Tube Max speed: 4000rpm Max RCF: 3400×g Tube size: Ф13×75~100mm

No.5



Order No.:10009600077

Rotor: Swing out rotor Capacity: 96×2~7ml blood tube Max speed: 4000rpm Max RCF: 3400×g Tube size: Ф13×75~100mm



Order No.:10000800024

Rotor: Microplate rotor Capacity: 4×2×96 well plate Max speed: 4000rpm Max RCF: 3400×g max: 128×87×60mm



Order No.:10000402502

Rotor: Swing out rotor
Capacity: 4×250ml conical botton
Max speed: 4000rpm
Max RCF: 3400×g
Tube size: Ф60×164mm

No.6



Order No.:10101200150

Rotor: Fixed angle rotor Capacity: 12×15ml Max speed: 6000rpm Max RCF: 5120×g Tube size: Ф17×121mm No.7



Order No.:10100600500

Rotor: Fixed angle rotor Capacity: 6×50ml Max speed: 6000rpm Max RCF: 5120×g Tube size: Ф29×116mm



BENCHTOP LOW SPEED CENTRIFUGE

DST-5

Product Overview

DST-5 can be equipped with various swing out rotors for 15ml to 250ml centrifuge tubes/bottle, 13mm blood collection tube and 96 well plate. One machine with multiple functions, can meet a variety of low speed centrifugal needs.





USER-FRIENDLY FUNCTIONS

- >up to 100 user-defined programs
- >up to 20 rates acceleration and deceleration
- >up to 99h59m59s timer range
- >up to 5 stages multi-stage centrifugation mode available
- >LED screen shows important parameters
- >RCF can be set directly
- >Water-proof touch key pad,each parameter has corresponding button to set
- >User can reset parameters when rotor is spinning

GOOD COMPONENTS

- >Motor: Variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: Food grade 304 stainless steel.
- anticorrosion and easy to clean
- >Rotor: Stainless steel swing out rotor.
- >Rotors are autoclavable

ENSURE SAFETY

- >Microprocessor control
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release



Model	DST-5
Max speed	5000rpm
Max RCF	4650xg
Max capacity	4x250ml
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤60dB(A)
Power consumption	500w
Dimension	550x430x350mm
Net weight	39kg







AVAILABLE ROTORS DST-5

No.1



Order No.:10000401000

Rotor: Swing out rotor Capacity: 4×100ml Max speed: 5000rpm Max RCF: 4650×g Tube size: Ф38×114mm



Order No.:10000400500

Rotor: Swing out rotor Capacity: 4×50ml Max speed: 5000rpm Max RCF: 4650×g Tube size: Ф30×116mm

No.2



Order No.:10003200150

Rotor: Swing out rotor Capacity: 32×15ml Max speed: 4000rpm Max RCF: 2980×g Tube size: Ф17×121mm Can choose adapters for blood tubes



Order No.:10002400150

Rotor: Swing out rotor Capacity: 24×15ml Max speed: 4000rpm Max RCF: 2980×g Tube size: Ф17×121mm Can choose adapters for blood tubes

No.2



Order No.:10000800500

Rotor: Swing out rotor Capacity: 8×50ml Max speed: 4000rpm Max RCF: 2980×g Tube size: Ф30×116mm



Order No.:10000801000

Rotor: Swing out rotor Capacity: 8×100ml Max speed: 4000rpm Max RCF: 2980×g Tube size: Ф38×114mm

No.3



Order No.:10000402500

Rotor: Swing out rotor Capacity: 4×250ml Max speed: 4000rpm Max RCF: 2980×g Tube size: Ф63×111mm

а	Capacity	Order No.
	8×50ml	10200800502
3	4×100ml	10200401000
)	36×10ml	10203600100
	40×7ml	10204000077
	20×15ml	10202000150

No.3



Order No.:10004800077

Rotor: Swing out rotor Capacity: 48×2~7ml blood tube

Max speed: 4000rpm Max RCF: 2980×g Tube size: Ф13×75~100mm



Order No.:10006400077

Rotor: Swing out rotor Capacity: 64×2~7ml blood tube Max speed: 4000rpm

Max RCF: 2980×g Tube size: Φ13×75~100mm

No.4



Order No.:10000600024

Rotor: Microplate rotor Capacity: 2×3×96 well plate Max speed: 4000rpm Max RCF: 1971×g max: 128×87×60mm



BENCHTOP HIGH SPEED CENTRIFUGE

DSG-16

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Product Overview

DSG-16 high speed benchtop centrifuge spins sample volumes up to 6 x 100 ml, 48x1.5/2.2ml tubes or 8 x 50 ml conical tubes with a intelligent LCD touch screen. For $24x1.5/2.2\,mL$ tubes, aerosol-tight rotor is optional.





USER-FRIENDLY FUNCTIONS

>up to 1000 user-defined programs

>up to 1000 run histories, can be exported via USB

>up to 40 rates acceleration and deceleration

>up to 5 stages multi-stage centrifugation mode available

>up to 99h59m59s timer range, 1s increment

ENSURE SAFETY

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device

LCD TOUCH SCREEN

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

Good components

- >Motor: Variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 304 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel swing out rotor.
- >Rotors are autoclavable

Model	DSG-16
Max speed	16500rpm
Max RCF	24814xg
Max capacity	6x100ml
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤60dB(A)
Power consumption	500w
Dimension	440x360x315mm
Net weight	29kg









AVAILABLE ROTORS FOR DSG-16



Rotor: Fixed angle rotor Capacity:12x1.5/2.2ml Max speed:16500rpm Max RCF:19053×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12x5ml Max speed:15000rpm Max RCF:18287×g Tube size:Ф14x54mm



Rotor:Fixed angle rotor Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24814×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor (aerosol tight) Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24814×g Tube size:Ф11x42mm



Rotor: Fixed angle rotor Capacity:12×10ml Max speed:13000rpm Max RCF:15625×g Tube size:Ф16×86mm



Rotor:Fixed angle rotor Capacity:36x1.5/2.2ml Max speed:13000rpm Max RCF:15625×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:6×50ml conical bottom Max speed:12000rpm Max RCF:15712×g Tube size:Ф29×116mm



Rotor:Fixed angle rotor Capacity:6×50ml round bottom Max speed:12000rpm Max RCF:15712×g Tube size:Ф29×111mm



Rotor:Fixed angle rotor Capacity:48×1.5/2.2ml Max speed:12000rpm Max RCF:15712×g Tube size:Ф11×42mm



Rotor:Fixed angle rotor Capacity:4x100ml Max speed:10000rpm Max RCF:11045×g Tube size:Ф38x123mm



Rotor:Fixed angle rotor Capacity:8x50ml conical bottom Max speed:10000rpm Max RCF:11045×g Tube size:Ф29x116mm



Rotor:Fixed angle rotor Capacity:8x50ml round bottom Max speed:10000rpm Max RCF:11045×g



Rotor:Fixed angle rotor Capacity:12x15ml Max speed:10000rpm Max RCF:11045×g Tube size:Ф17x121mm



Rotor:Fixed angle rotor Capacity:24x10ml Max speed:10000rpm Max RCF:11045*g Tube size:Ф16x86mm



Rotor:Fixed angle rotor Capacity:6x10ml Max speed:16000rpm Max RCF:19004×g Tube size:Ф16x86mm



Rotor:Fixed angle rotor Capacity:8x15ml Max speed:13000rpm Max RCF:14945×g Tube size:Φ17x121mm



Rotor:Fixed angle rotor Capacity:6x30ml Max speed:13000rpm Max RCF:14945×g Tube size:Ф25.5x100mm



Rotor:Fixed angle rotor Capacity:8x0.2ml PCR strip Max speed:13000rpm Max RCF:14643×g



Rotor:Fixed angle rotor Capacity:6x100ml Max speed:8000rpm Max RCF:7720×g Tube size:Ф38x123mm



Rotor: Microplate rotor Capacity:2x2×48 well plate Max speed:4000rpm Max RCF:1538×g max: 128×48x60mm



BENCHTOP HIGH SPEED CENTRIFUGE

DSG-18

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Product Overview

DSG-18 high speed benchtop centrifuge spins sample volumes up to 6 x 100 ml, 48x1.5/2.2ml tubes or 8 x 50 ml conical tubes with a intelligent LCD touch screen. For $24x1.5/2.2\,mL$ tubes, aerosol-tight rotor is optional.





USER-FRIENDLY FUNCTIONS

>up to 1000 user-defined programs

>up to 1000 run histories, can be exported via USB

>up to 40 rates acceleration and deceleration

>up to 5 stages multi-stage centrifugation mode available

>up to 99h59m59s timer range, 1s increment

ENSURE SAFETY

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device

LCD TOUCH SCREEN

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

GOOD COMPONENTS

- >Motor: Variable frequency motor. stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: 304 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel swing out rotor.
- >Rotors are autoclavable

Model	DSG-18
Max speed	18000rpm
Max RCF	24814xg
Max capacity	6x100ml
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤60dB(A)
Power consumption	500w
Dimension	440x360x315mm
Net weight	29kg









AVAILABLE ROTORS FOR DSG-18



Rotor:Fixed angle rotor Capacity:12x1.5/2.2ml Max speed:18000rpm Max RCF:22675xg Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12x5ml Max speed:15000rpm Max RCF:18287×g Tube size:Ф14x54mm



Rotor:Fixed angle rotor Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24814×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor (aerosol tight) Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24814×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12×10ml Max speed:13000rpm Max RCF:15625×g Tube size:Ф16×86mm



Rotor:Fixed angle rotor Capacity:36x1.5/2.2ml Max speed:13000rpm Max RCF:15625×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:6×50ml conical bottom Max speed:12000rpm Max RCF:15712×g Tube size:Ф29×116mm



Rotor:Fixed angle rotor Capacity:6×50ml round bottom Max speed:12000rpm Max RCF:15712×g Tube size:Ф29×111mm



Rotor:Fixed angle rotor Capacity:48×1.5/2.2ml Max speed:12000rpm Max RCF:15712×g Tube size:Ф11×42mm



Rotor:Fixed angle rotor Capacity:4x100ml Max speed:10000rpm Max RCF:11045×g Tube size:Ф38x123mm



Rotor:Fixed angle rotor Capacity:8x50ml conical bottom Max speed:10000rpm Max RCF:11045×g Tube size:Ф29x116mm



Rotor:Fixed angle rotor Capacity:8x50ml round bottom Max speed:10000rpm Max RCF:11045×g



Rotor:Fixed angle rotor Capacity:12x15ml Max speed:10000rpm Max RCF:11045×g Tube size:Ф17x121mm



Rotor:Fixed angle rotor Capacity:24x10ml Max speed:10000rpm Max RCF:11045*g Tube size:Ф16x86mm



Rotor:Fixed angle rotor Capacity:6x10ml Max speed:16000rpm Max RCF:19004×g Tube size:Ф16x86mm



Rotor:Fixed angle rotor Capacity:8x15ml Max speed:13000rpm Max RCF:14945*g Tube size:Ф17x121mm



Rotor:Fixed angle rotor Capacity:6x30ml Max speed:13000rpm Max RCF:14945×g Tube size:Ф25.5x100mm



Rotor:Fixed angle rotor Capacity:8x0.2ml PCR strip Max speed:13000rpm Max RCF:14643×g



Rotor:Fixed angle rotor Capacity:6x100ml Max speed:8000rpm Max RCF:7720×g Tube size:Ф38x123mm



Rotor:Microplate rotor Capacity:2x2×48 well plate Max speed:4000rpm Max RCF:1538×g max: 128×48x60mm



BENCHTOP HIGH SPEED CENTRIFUGE

DSG-20



Product Overview

DSG-20 high speed benchtop centrifuge spins sample volumes up to 6 x 100 ml, 48x1.5/2.2ml tubes or 8 x 50 ml conical tubes with a intelligent LCD touch screen. For 24x1.5/2.2 mL tubes, aerosol-tight rotor is optional.



Product Features

USER-FRIENDLY FUNCTIONS

>up to 1000 user-defined programs

>up to 1000 run histories, can be exported via USB

>up to 40 rates acceleration and deceleration

>up to 5 stages multi-stage centrifugation mode available

>up to 99h59m59s timer range, 1s increment

ENSURE SAFETY

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device

LCD TOUCH SCREEN

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >RPM and RCF covert automatically
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

GOOD COMPONENTS

- >Motor: Variable frequency motor. stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: 304 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel swing out rotor.
- >Rotors are autoclavable

Model	DSG-20
Max speed	20000rpm
Max RCF	27994xg
Max capacity	6x100ml
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤60dB(A)
Power consumption	500w
Dimension	440x360x315mm
Net weight	29kg
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AVAILABLE ROTORS FOR DSG-20



Rotor:Fixed angle rotor Capacity:12x1.5/2.2ml Max speed:20000rpm Max RCF:27994xg Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12x5ml Max speed:15000rpm Max RCF:18287×g Tube size:Ф14x54mm



Rotor:Fixed angle rotor Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24814×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor (aerosol tight) Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24814×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12×10ml Max speed:13000rpm Max RCF:15625×g Tube size:Ф16×86mm



Rotor:Fixed angle rotor Capacity:36x1.5/2.2ml Max speed:13000rpm Max RCF:15625×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:6×50ml conical bottom Max speed:12000rpm Max RCF:15712×g Tube size:Ф29×116mm



Rotor:Fixed angle rotor Capacity:6×50ml round bottom Max speed:12000rpm Max RCF:15712×g Tube size:Ф29×111mm



Rotor:Fixed angle rotor Capacity:48×1.5/2.2ml Max speed:12000rpm Max RCF:15712×g Tube size:Ф11×42mm



Rotor:Fixed angle rotor Capacity:4x100ml Max speed:10000rpm Max RCF:11045×g Tube size:Ф38x123mm



Rotor:Fixed angle rotor Capacity:8x50ml conical bottom Max speed:10000rpm Max RCF:11045×g Tube size:Ф29x116mm



Rotor:Fixed angle rotor Capacity:8x50ml round bottom Max speed:10000rpm Max RCF:11045×g



Rotor:Fixed angle rotor Capacity:12x15ml Max speed:10000rpm Max RCF:11045×g Tube size:Ф17x121mm



Rotor:Fixed angle rotor Capacity:24x10ml Max speed:10000rpm Max RCF:11045×g Tube size:Φ16x86mm



Rotor:Fixed angle rotor Capacity:6x10ml Max speed:16000rpm Max RCF:19004×g Tube size:Ф16x86mm



Rotor:Fixed angle rotor Capacity:8x15ml Max speed:13000rpm Max RCF:14945×g Tube size:Φ17x121mm



Rotor:Fixed angle rotor Capacity:6x30ml Max speed:13000rpm Max RCF:14945×g Tube size:Ф25.5x100mm



Rotor:Fixed angle rotor Capacity:8x0.2ml PCR strip Max speed:13000rpm Max RCF:14643×g



Rotor:Fixed angle rotor Capacity:6x100ml Max speed:8000rpm Max RCF:7720×g Tube size:Ф38x123mm



Rotor:Microplate rotor Capacity:2x2×48 well plate Max speed:4000rpm Max RCF:1538×g max: 128×48x60mm



BENCHTOP LOW SPEED REFRIGERATED CENTRIFUGE

DSL-6

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Product Overview

DSL-6 is a low speed centrifuge with refrigerated function. The max capacity of it is 4*250ml. It can fit kinds of swing out rotors and adaptors. And it can also use fixed angle rotor.

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Product Features

USER-FRIENDLY FUNCTIONS

- >up to 1000 user-defined programs
- >up to 100000 run histories
- >up to 40 rates acceleration and deceleration,speed downs curvely slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Curve display---Speed curve,RCF curve and Temperature curve
- are displayed together, clear to see their changing and relations.

REFRIGERATION

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- $>\pm 1^{\circ}\mathrm{C}$ high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

Model	DSL-6
Max speed	6000rpm
Max RCF	5123xg
Max capacity	4x250ml
Temperature range	-20°C to +40°C
Temperature accuracy	±1°C
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤56dB(A)
Power consumption	1500w
Dimension	600x680x420
Net weight	108kg

LCD TOUCH SCREEN

- >Simple and clear to show all parameters
- >Touch screen, easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

GOOD COMPONENTS

- >Motor: Variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

ENSURE SAFETY

- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual





AVAILABLE ROTORS FOR DSL-6



Order No.:10000401000

Rotor:Swing out rotor Capacity: 4×100ml Max speed:5000rpm Max RCF:4650×g Tube size:Ф38×114mm



Order No.:10000400500

Rotor:Swing out rotor Capacity: 4×50ml Max speed:5000rpm Max RCF:4650×g Tube size:Ф30×116mm



Order No.:10003200150

Rotor:Swing out rotor Capacity: 32×15ml Max speed:4000rpm Max RCF:2980×g Tube size:Ф17×121mm



Order No.:10000800500

Rotor:Swing out rotor Capacity:8×50ml Max speed:4000rpm Max RCF:2980×g Tube size:Ф30×116mm



Order No.:10000801000

Rotor:Swing out rotor Capacity:8×100ml Max speed:4000rpm Max RCF:2980×g Tube size:Ф38×114mm



Order No.:10000402500

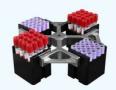
Rotor:Swing out rotor Capacity:4×250ml Max speed:4000rpm Max RCF:2980×g Tube size:Φ63×111mm

	Capacity	Order No.
A d	8×50ml	10200800502
1	4×100ml	10200401000
1	36×10ml	10203600100
e r	40×7ml	10204000077
	20×15ml	10202000150



Order No.:10004800077

Rotor:Swing out rotor Capacity:48×2~7ml blood tube Max speed:4000rpm Max RCF:2951×g Tube size:Ф13×75~100mm



Order No.:10006400077

Rotor:Swing out rotor Capacity:64×2~7ml blood tube Max speed:4000rpm Max RCF:2951×g Tube size:Ф13×75~100mm



Order No.:10100600500

Rotor:Fixed angle rotor Capacity: 6×50ml Max speed:6000rpm Max RCF:5123×g Tube size:Ф29×116mm



Order No.:10101200150

Rotor:Fixed angle rotor Capacity: 12×15ml Max speed:6000rpm Max RCF:5123×g Tube size:Ф17×121mm



Order No.:10000600024

Rotor:Microplate rotor Capacity:2×3×96 well plate Max speed:4000rpm Max RCF:1971×g max: 128×87×60mm



BENCHTOP LOW SPEED REFRIGERATED CENTRIFUGE

DSL-6M

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Product Overview

DSL-6M is low speed refrigerated centrifuge with max speed 6000rpm for large capacity centrifugation. It can fit variable swing out rotors and adaptors for max volume 750ml. There are kinds of rotors for vacuum blood collection tubes, can centrifuge 112 holes at most. The biosafety rotor 76*2-7ml can be chosen.



Product Features

USER-FRIENDLY FUNCTIONS

- >up to 1000 user-defined programs
- >up to 100000 run histories
- >up to 40 rates acceleration and deceleration,speed downs curvely slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations

REFRIGERATION

- >High quality compressor unit
- >-20°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

Model	DSL-6M
Max speed	6000rpm
Max RCF	5123xg
Max capacity	4x750ml
Temperature range	-20°C to +40°C
Temperature accuracy	±1°C
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤56dB(A)
Power consumption	1500w
Dimension	600x680x420
Net weight	108kg

LCD TOUCH SCREEN

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning

GOOD COMPONENTS

- >Motor: Variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing out rotor.
- >Rotors are autoclavable

ENSURE SAFETY

- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual



AVAILABLE ROTORS FOR DSL-6M



Order No.:10000401000 Rotor:Swing out rotor Capacity: 4×100ml Max speed:5000rpm Max RCF:4650×g Tube size:Ф38×114mm



Order No.:10000400500 Rotor:Swing out rotor Capacity: 4×50ml Max speed:5000rpm Max RCF:4650×g Tube size:Ф30×116mm



Order No.:10003200150 Rotor:Swing out rotor Capacity: 32×15ml Max speed:4000rpm Max RCF:2980×g Tube size:Ф17×121mm



Order No.:10000800500 Rotor:Swing out rotor Capacity:8×50ml Max speed:4000rpm Max RCF:2980×g Tube size:Ф30×116mm



Order No.:10000801000 Rotor:Swing out rotor Capacity:8×100ml Max speed:4000rpm Max RCF:2980×g Tube size:Ф38×114mm



Order No.:10004800077
Rotor:Swing out rotor
Capacity:48*2~7ml blood tube
Max speed:400/rpm
Max RCF:3100*g
Tube size:013*75~100mm



Order No.:10006400077
Rotor:Swing out rotor
Capacity:64×2~7ml blood tube
Max speed:4000rpm
Max RCF:3100×g
Tube size:013×75~100mm



Order No.:10000402500 Rotor:Swing out rotor Capacity:4×250ml Max speed:5000rpm Max RCF:5201×g Tube size:Ф63×111mm

	Capacity	Order No.
	8×50ml	10200800502
	4×100ml	10200401000
	36×10ml	10203600100
Ī	40×7ml	10204000077
	20×15ml	10202000150



Order No.:10000600024 Rotor:Microplate rotor Capacity:2×3×96 well plate Max speed:4000rpm Max RCF:1971×g max: 128×87×60mm



Order No.:10000405000 Rotor:Swing out rotor Capacity:4×500ml Max speed:4200rpm Max RCF:3551×g Tube size:Ф80×137mm



Order No.:10004000150 Rotor:Swing out rotor Capacity:40×15ml Max speed:4200rpm Max RCF:3551×g Tube size:Ф17×121mm



Order No.:10201600500(normal)
Order No.:10201600501(aerosol tight)
Adapter in 4x500ml(normal)
Adapter in 4x500ml(aerosol tight)
Capacity:16×50ml
Max speed:4200rpm
Max RCF:3551×g
Tube cize:202116mp



Order No.:10008000107 Rotor:Swing out rotor Capacity:80×10ml blood tube Max speed:4200rpm Max RCF:3551×g Tube size:415×100mm



Order No.:10203600150(normal)
Order No.:10203600151(serosol tight)
Adapter in 4x500ml(normal)
Adapter in 4x500ml(serosol tight)
Capacity:36x15ml
Max speed:4200rpm
Max RCF:3551×g
Tube size:917x121mm



Order No.:10011200077 Rotor:Swing out rotor Capacity:112×2~7ml blood tube Max speed:4200rpm Max RCF:3551×g Tube size:Ф13×75~100mm



Order No.:10207600077(normal)
Order No.:10207600071(aerosol tight)
Adapter in 4x500ml(normal)
Adapter in 4x500ml(aerosol tight)
Capacity:76×2~7mlblood tube
Max speed:4200rpm
Max RCF:3551×g
Tube size:913×75~100mm



Order No.:10010000020 Rotor:Swing out rotor Capacity:100×1.5ml Max speed:4200rpm Max RCF:3551×g Tube size:Ф11×42mm



Order No.:10002000500 Rotor:Swing out rotor Capacity:20×50ml Max speed:4200rpm Max RCF:3551×g Tube size:Ф29.5×116mm



Order No.:10014800050 Rotor:Swing out rotor Capacity:148×5ml RIA tube Max speed:4200rpm Max RCF:3551×g Tube size:013x75~100mm



Order No.:10009600077 Rotor: Swing out rotor Capacity:96×2~7ml blood tube Max speed:4200rpm Max RCF:3551×g Tube size:Ф13×75~100mm



Order No.:10000800024 Rotor:Microplate rotor Capacity:4×2×96 well plate Max speed:4×200rpm Max RCF:3551×g max: 128×87×60mm



Order No.:10000402502
Rotor:Swing out rotor
Capacity: 4×250ml
conical bottom
Max speed:4200rpm
Max RCF:3551×g
Tube size:060×164mm



Order No.:10000407500 Rotor:Swing out rotor Capacity:4×750ml Max speed:4000rpm Max RCF:3500×g Tube size:Ф100×141mm



Order No.:10201201000 Adapter in 4x750ml Capacity:12×100ml Max speed:4000rpm Max RCF:3500×g Tube size:Ф38×114mm



Order No.:10202000500 Adapter in 4x750ml Capacity:20×50ml Max speed:4000rpm Max RCF:3500×g Tube size:Ф29×116mm



Order No.:10202800500 Adapter in 4x750ml Capacity:28×50ml Max speed:4000rpm Max RCF:3500×g Tube size:029x116mm



Order No.:10205600150 Adapter in 4x750ml Capacity:56x15ml Max speed:4000rpm Max RCF:3500xg Tube size:Ф17x121mm



Order No.:10209600077
Adapter in 4x750ml
Capacity:96x2~7ml blood tube
Max speed:4000rpm
Max RCF:3500×g
Tube size:013x75~100mm



Order No.:10000602500 Rotor:Swing out rotor Capacity:6×250ml Max speed:4000rpm Max RCF:3581×g Tube size:Ф63×111mm



Order No.:10100600500 Rotor:Fixed angle rotor Capacity: 6×50ml Max speed:6000rpm Max RCF:5123×g Tube size:Ф29×116mm



Order No.:10101200150 Rotor:Fixed angle rotor Capacity: 12×15ml Max speed:6000rpm Max RCF:5123×g Tube size:Ф17×121mm



BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE

DSL-16

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Product Overview

DSL-16 is a practical benchtop refrigerated centrifuge which can hold sample volume from 0.2mL-6x100ml. All steel body, LCD and LED dual screen display. Max speed can reach 16500rpm. This unit includes refrigeration with a temperature range from $-20^{\circ}C$ to $+40^{\circ}C$.



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Product Features

USER-FRIENDLY FUNCTIONS

- >12 user-defined programs
- >40 rates acceleration and deceleration
- >up to 99h59m timer range
- >RCF can be set directly.
- >LCD&LED screen show parameters simply and clearly
- >Water-proof touch key pad,each parameter has corresponding button to set
- >User can reset parameters when rotor is spinning

REFRIGERATION

- >Good compressor unit
- >-20°C to +40°C,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin

ENSURE SAFETY

- >Automatic rotor recognition to prevent overspeed
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Various protections to ensure safe centrifugation

GOOD COMPONENTS

- >Motor: Variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy rotor
- >Rotors are autoclavable

Model	DSL-16
Max speed	16500rpm
Max RCF	24760xg
Max capacity	6*100ml
Temperature range	-20°C to +40°C
Temperature accuracy	±1°C
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤60dB(A)
Power consumption	1200w
Dimension	420x625x370mm
Net weight	53kg





AVAILABLE ROTORS FOR DSL-16



Rotor:Fixed angle rotor Capacity:12x1.5/2.2ml Max speed:16500rpm Max RCF:19000×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12x 5ml Max speed:15000rpm Max RCF:18270×g Tube size:Ф14×54mm



Rotor:Fixed angle rotor Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24760×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor (aerosol tight) Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24760×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12×10ml Max speed:13000rpm Max RCF:15620×g Tube size:Ф16×86mm



Rotor:Fixed angle rotor Capacity:36x1.5/2.2ml Max speed:13000rpm Max RCF:15620×g Tube size:Φ11x42mm



Rotor:Fixed angle rotor Capacity:6×50ml conical bottom Max speed:12000rpm Max RCF:15970×g Tube size:Ф29×116mm



Rotor:Fixed angle rotor Capacity:6×50ml round bottom Max speed:12000rpm Max RCF:15970×g Tube size:Ф29×111mm



Rotor:Fixed angle rotor Capacity:48×1.5/2.2ml Max speed:12000rpm Max RCF:15970×g Tube size:Ф11×42mm



Rotor:Fixed angle rotor Capacity:4x100ml Max speed:11000rpm Max RCF:12870×g Tube size:Ф38x123mm



Rotor:Fixed angle rotor Capacity:8x50ml conical bottom Max speed:11000rpm Max RCF:12870×g Tube size:Ф29x116mm



Rotor:Fixed angle rotor Capacity:8x50ml round bottom Max speed:11000rpm Max RCF:12870×g Tube size:Ф29x111mm



Rotor:Fixed angle rotor Capacity:12x15ml Max speed:11000rpm Max RCF:12870×g Tube size:Ф17x121mm



Rotor:Fixed angle rotor Capacity:6×10ml Max speed:16000rpm Max RCF:19070×g Tube size:Ф16×86mm



Rotor:Fixed angle rotor Capacity:6×30ml Max speed:13000rpm Max RCF:15620×g Tube size:Ф25.5×100mm



Rotor:Fixed angle rotor Capacity:8×15ml Max speed:13000rpm Max RCF:15620×g Tube size:Ф17×121mm



Rotor:Microplate rotor Capacity:2x2×48 well plate Max speed:4000rpm Max RCF:1500×g max: 128×48x60mm



Rotor:Fixed angle rotor Capacity:8x0.2ml PCR strip Max speed:13000rpm Max RCF:14640×g



Rotor:Fixed angle rotor Capacity:6x100ml Max speed:9000rpm Max RCF:9770×g Tube size:Ф38x123mm



BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE

DSL-18

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Product Overview

DSL-18 is a high speed refrigerated centrifuge runs up to 18000rpm. Although the centrifuge is compact, it can runs up to 6x100ml. The centrifuge has good refrigeration system-imported compressor unit, PID dynamical temperature control. The centrifuge equipped with DARSUN RFID automatic rotor identification technology and imbalance detection by three axis gyroscope.



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Product Features

USER-FRIENDLY FUNCTIONS

- >up to 1000 user-defined programs
- >up to 100000 run histories
- >up to 40 rates acceleration and deceleration,speed downs curvely slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

REFRIGERATION

- >High quality compressor unit
- >-20°C to +40°C,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

Model	DSL-18
Max speed	18000rpm
Max RCF	29684xg
Max capacity	6*100ml
Temperature range	-20°C to +40°C
Temperature accuracy	±1°C
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤56dB(A)
Power consumption	1200w
Dimension	420x520x360mm
Net weight	56kg

ENSURE SAFETY

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manual

GOOD COMPONENTS

- >Motor: Variable frequency motor. stable running, maintenance free, long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor;
 - Steel swing out rotor.
- >Rotors are autoclavable

LCD TOUCH SCREEN

- >Simple and clear to show all parameters
- >Touch screen, easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning



AVAILABLE ROTORS FOR DSL-18



Rotor:Fixed angle rotor Capacity:12x1.5/2.2ml Max speed:18000rpm Max RCF:22675×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12x 5ml Max speed:16500rpm Max RCF:22128×g Tube size:Ф14×54mm



Rotor:Fixed angle rotor Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24814×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor (aerosol tight) Capacity:24x1.5/2.2ml Max speed:17500rpm Max RCF:29684×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12×10ml Max speed:14500rpm Max RCF:19439×g Tube size:Ф16×86mm



Rotor:Fixed angle rotor Capacity:36x1.5/2.2ml Max speed:14500rpm Max RCF:20356×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:6×50ml conical bottom Max speed:12000rpm Max RCF:15712×g Tube size:Ф29×116mm



Rotor:Fixed angle rotor Capacity:6×50ml round bottom Max speed:12000rpm Max RCF:15712×g Tube size:Ф29×111mm



Rotor:Fixed angle rotor Capacity:48×1.5/2.2ml Max speed:12000rpm Max RCF:15712×g Tube size:Ф11×42mm



Rotor:Fixed angle rotor Capacity:4x100ml Max speed:11000rpm Max RCF:13365×g Tube size:Ф38x123mm



Rotor:Fixed angle rotor Capacity:8x50ml conical bottom Max speed:11000rpm Max RCF:14041×g Tube size:Ф29x116mm



Rotor:Fixed angle rotor Capacity:8x50ml round bottom Max speed:11000rpm Max RCF:13365×g



Rotor:Fixed angle rotor Capacity:12x15ml Max speed:11000rpm Max RCF:13365×g Tube size:Φ17x121mm



Rotor:Fixed angle rotor Capacity:6×30ml Max speed:14000rpm Max RCF:18472×g Tube size:Ф25.5×100mm



Rotor:Fixed angle rotor Capacity:6×10ml Max speed:16000rpm Max RCF:19004×g Tube size:Ф16×86mm



Rotor:Fixed angle rotor Capacity:8×15ml Max speed:14000rpm Max RCF:17333×g Tube size:Ф17×121mm



Rotor:Microplate rotor Capacity:2x2×48 well plate Max speed:4000rpm Max RCF:1538×g max: 128×48x60mm



Rotor:Fixed angle rotor Capacity:8x0.2ml PCR strip Max speed:13000rpm Max RCF:14643×g



Rotor:Fixed angle rotor Capacity:6x100ml Max speed:9000rpm Max RCF:9771×g Tube size:Ф38x123mm



Rotor:Fixed angle rotor Capacity:24x2ml (frozen storage tube) Max speed:15000rpm Max RCF:23419×g Tube size: Φ11.5x45mm



BENCHTOP HIGH SPEED REFRIGERATED CENTRIFUGE

DSL-20

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Product Overview

DSL-20 is a high speed refrigerated centrifuge runs up to 20000rpm. Although the centrifuge is compact ,it can runs up to 6x100ml. The centrifuge has good refrigeration system-imported compressor unit, PID dynamical temperature control. The centrifuge equipped with DARSUN RFID automatic rotor identification technology and imbalance detection by three axis gyroscope.



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Product Features

USER-FRIENDLY FUNCTIONS

- >up to 1000 user-defined programs
- >up to 100000 run histories
- >up to 40 rates acceleration and deceleration,speed downs curvely slowly from 600rpm to 0rpm to prevent samples shake
- >up to 7 stages multi-stage centrifugation mode available
- >up to 99h59m59s timer range, 1s increment
- >Support short spin and continuous centrifugation
- >Curve display---Speed curve,RCF curve and Temperature curve are displayed together,clear to see their changing and relations.

REFRIGERATION

- >High quality compressor unit
- >-20°C to +40°C,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >PID dynamic temperature control
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- >With ECO energy-saving module

Model	DSL-20	
Max speed	20000rpm	
Max RCF	31405xg	
Max capacity	6*100ml	
Temperature range	-20°C to +40°C	
Temperature accuracy	±1°C	
Timer range	1s to 99h59m59s	
Speed accuracy	±10rpm	
Noise	≤56dB(A)	
Power consumption	1200w	
Dimension	420x520x360mm	
Net weight	56kg	

ENSURE SAFETY

- >Automatic rotor identification by RFID
- >Imbalance detection by three axis gyroscope
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinge to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Password to lock the device
- >User management with permission allocation
- >Various protections to ensure safe centrifugation
- >With never be lost electronic instruction manua

GOOD COMPONENTS

- >Motor: Variable frequency motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: 316 stainless steel with teflon coating. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor;
 - Steel swing out rotor.
- >Rotors are autoclavable

LCD TOUCH SCREEN

- >Simple and clear to show all parameters
- >Touch screen,easy to set parameters
- >RCF can be set directly
- >Intelligent status display,real-time and real values
- >User can set parameters even with gloves
- >User can reset parameters when rotor is spinning



AVAILABLE ROTORS FOR DSL-20



Rotor:Fixed angle rotor Capacity:12x1.5/2.2ml Max speed:20000rpm Max RCF:27994×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12x 5ml Max speed:17000rpm Max RCF:23489×g Tube size:Ф14×54mm



Rotor:Fixed angle rotor Capacity:24x1.5/2.2ml Max speed:16000rpm Max RCF:24814×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor (aerosol tight) Capacity:24x1.5/2.2ml Max speed:18000rpm Max RCF:31405×g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:12×10ml Max speed:15000rpm Max RCF:20803×g Tube size:Ф16×86mm



Rotor:Fixed angle rotor Capacity:36x1.5/2.2ml Max speed:15000rpm Max RCF:21784*g Tube size:Ф11x42mm



Rotor:Fixed angle rotor Capacity:6×50ml conical bottom Max speed:12500rpm Max RCF:17049×g Tube size:Ф29×116mm



Rotor:Fixed angle rotor Capacity:6×50ml round bottom Max speed:12500rpm Max RCF:17049×g Tube size:Ф29×111mm



Rotor:Fixed angle rotor Capacity:48×1.5/2.2ml Max speed:12500rpm Max RCF:17136×g Tube size:Ф11×42mm



Rotor:Fixed angle rotor Capacity:4x100ml Max speed:11000rpm Max RCF:13365×g Tube size:Ф38x123mm



Rotor:Fixed angle rotor Capacity:8x50ml conical bottom Max speed:11000rpm Max RCF:14041×g Tube size:Ф29x116mm



Rotor:Fixed angle rotor Capacity:8x50ml round bottom Max speed:11000rpm Max RCF:13365×g Tube size:Ф29x111mm



Rotor:Fixed angle rotor Capacity:12x15ml Max speed:11000rpm Max RCF:13365×g Tube size:Φ17x121mm



Rotor:Fixed angle rotor Capacity:6×30ml Max speed:14000rpm Max RCF:18472×g Tube size:Ф25.5×100mm



Rotor:Fixed angle rotor Capacity:6×10ml Max speed:16000rpm Max RCF:19004×g Tube size:Ф16×86mm



Rotor:Fixed angle rotor Capacity:8×15ml Max speed:14000rpm Max RCF:17333×g Tube size:Φ17×121mm



Rotor:Microplate rotor Capacity:2x2×48 well plate Max speed:4000rpm Max RCF:1538×g max: 128×48x60mm



Rotor:Fixed angle rotor Capacity:8x0.2ml PCR strip Max speed:13000rpm Max RCF:14643×g



Rotor:Fixed angle rotor Capacity:6x100ml Max speed:9000rpm Max RCF:9771*g Tube size:Ф38x123mm



Rotor:Fixed angle rotor Capacity:24x2ml (frozen storage tube) Max speed:15000rpm Max RCF:23419×g Tube size: Ф11.5x45mm



REFRIGERATED | HIGH SPEED | MICRO

DSL-1850

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Product Overview

DSL-1850 is a high speed refrigerated centrifuge runs up to 20000rpm. Although the centrifuge is compact ,it can runs up to 6x100ml. The centrifuge has good refrigeration system-imported compressor unit, PID dynamical temperature control. The centrifuge equipped with DARSUN RFID automatic rotor identification technology and imbalance detection by three axis gyroscope.



Product Features



FEATURE

- >Compact design, light weight
- >Variable frequency motor, micro processor control
- >LCD touch screen for viewing and setting parameters
- >Motorized electronic self-priming lid lock
- >RCF can be set directly
- >User can reset parameters when rotor is spinning
- >User can store 20 centrifugation programs
- >10 adjustable acceleration and deceleration rates

REFRIGERATION

- >-10°C to +40°C ,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin
- > With Fast Temp button

Noise

Dimension Net weight

Power consumption

·	
Model	DSL-1850
Max speed	14000rpm
Max RCF	18800xg
Max capacity	12x5ml
Temperature range	-10°C to +40°C
Temperature accuracy	±1°C
Timer range	1s to 99h59m59s
Speed accuracy	±10rpm
Noise	≤56dB(A)

400x285x285mm

800w

19kg













FLOOR STANDING LOW SPEED REFRIGERATED CENTRIFUGE

MACHINE

DS-6M



Product Overview

DS-6M Floor standing low speed refrigerated centrifuge machine is super centrifuge with max capacity 6*1000ml. It's ideal centrifuge for large capacity centrifugation. It can run 6 blood bags at a time.



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Product Features

USER-FRIENDLY FUNCTIONS

- >12 user-defined programs
- >40 rates acceleration and deceleration
- >up to 99h59m timer range
- >RCF can be set directly
- >LCD&LED screen show parameters simply and clearly
- >User can reset parameters when rotor is spinning
- >210x2-7ml blood tube swing out rotor with lid

REFRIGERATION

- >High quality compressor unit
- >-20°C to +40°C,1°C increment
- >±1°C high temperature accuracy
- >CFC-free refrigerant
- >Temperature sensor inside the chamber
- >Starts refrigeration when power on
- >Maintains refrigeration after spin

ENSURE SAFETY

- >Microprocessor control
- >Motorized electronic door lock
- >Door cannot be opened when rotor is spinning
- >Gas hinges to prevent door falling
- >Port in the door for calibration and operation checking
- >Emergency door lock release
- >Various protections to ensure safe centrifugation
- >Balance detection: Electronic with alarm and cut off

GOOD COMPONENTS

- >Motor: Brushless induction motor. stable running,maintenance free,long life
- >Housing: Thick and strong steel
- >Chamber: Medical grade 316 stainless steel. anticorrosion and easy to clean
- >Rotor: Aluminum alloy fixed angle rotor; Steel/Stainless steel swing-out rotor
- >Rotors are autoclavable

Model	DS-6M
Max speed	6000rpm
Max RCF	6880Xg
Max capacity	6*1000ml(4500rpm)
Temperature range	-20°C to +40°C
Temperature accuracy	±1°C
Speed accuracy	±10rpm
Net weight	255KG



Rotor: Fixed angle rotor Capacity:6x500ml Max speed:6000rpm Max RCF:6880×g Tube size:Ф74x170mm



Rotor: Fixed angle rotor Capacity:6x500ml Max speed:6000rpm Max RCF:6880×g Tube size:Ф74x170mm



Rotor:Swing out rotor Capacity:6×blood bag Max speed:4500rpm Max RCF:5880×g



Rotor:Swing out rotor Capacity:210×2-7ml blood tube Max speed:4200rpm Max RCF:5180×g Tube size:Ф13x75-100mm



BENCHTOP PORTABLE MINI CENTRIFUGE

DS-6K/7K/10K



Product Overview

MINI portable centrifuge has three in one rotor: one rotor with three capacity 0.2ml,0.5ml,1.5/2ml. No need to change rotor,can centrifuge three capacities at the same. DS-6K/7k is also compatible with 6 pcr strips. We have three kinds of MINI centrifuges: DS-6K,DS-7K and DS-10K. DS-10K is high speed micro centrifuge.



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Product Features

- >Compact design, light weight
- >Adjustable run time,1s-99m59s
- >800rpm to highest rpm is adjustable
- >Automatically stop spinning when lid is open
- >BLDC motor drive, stable and low noise
- >Can stop spin in 3 seconds, saving experiment time
- >Wide range power input:100v to 240v
- >Three-in-one rotor:8x1.5/2ml+6x0.5ml+2x8x0.2ml no need to change rotor
- >Optional rotor for 6 PCR strips

Model	DS-6K/DS-7K/DS-10K
Max speed	6000/7500/10000rpm
Max RCF	2200/3450/6100Xg
Max capacity	8*1.5ml/2ml+6*0.5ml+2*8*0.2ml
Rotor	Three in one rotor;6 PCR strip
Noise	≤52dB(A)/≤52dB(A)/≤57dB(A)
Power supply	AC 100-240V 50/60Hz
Dimension	200x170x130mm
Net weight	1.2kg









BENCHTOP HIGH SPEED MICRO CENTRIFUGE DS15S



Product Overview

DS15S micro high speed centrifuge comes with a 12*1.5/2.2ml angle rotor(with 0.2/0.5ml adaptor). Its compact ,easy to use,high speed,low noise and fast lifting speed.



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Product Features

BLDC motor

Small Temperature Rise: Temperature rise≤6°C

Low Noise: Noise≤56dB(A)

Maintenance Free: Brushless motor, maintenance free **Rapid Acceleration:** adjustable speed rate. Speed up to max speed in highest rate just needs10s

More convenient

Resistive Touch Screen

- Color LCD screen, parameter display in full digits
- Automatic conversion between RPM and RCF
- Resistive touch screen, the device can be operated normally even with gloves
- · Can change parameters under running

Intelligent Door Lock: Steel door buckle + smart door lock, making centrifugal work more convenient;

Automatic induction door lock, actively monitor the opening and closing state of the door, and automatically open the door after centrifugation, which is convenient for taking out samples.

Damping Door Open: The damping door design, after the centrifugal work is completed, the door automatically opens slowly, there is no vibration in the whole process.

Bionic Suction Cup Base:It adopts a bionic suction cup with strong adsorption, which is simple to fix and easy to move.

Magnetic Rotor Lid: The highly magnetic self-adsorbing rotor lid Safer

Aluminium Alloy Inner Cover

The super-hard aluminum alloy inner cover makes the operation safer; at the same time, the internal air outlet can quickly dissipate heat.

10mm Stainless Steel Shaft

The connection between the door cover and the body is made of stainless steel shaft, and the door has been opened and closed for more than 100,000 times without damage in experiment, making it more secure to use.

Stainless Steel Rotor Lid

The special stainless steel rotor cover is equipped with a magnetic pick-and-place interface, which saves time and effort when picking and placing samples.

Model	DS15S
Max speed	15000rpm
Max RCF	15093xg
Standard capacity	12*1.5/2.2ml
Timer range	1s to 99m59s
Speed accuracy	±10rpm
Noise	≤56dB(A)
Power Supply	100v-250v
Dimension	240x220x170mm
Net weight	3.8kg



Rotor: Fixed angle rotor(standard) Capacity: 12x1.5/2.2ml Max speed: 15000rpm Max RCF: 15093×g



Rotor: Fixed angle rotor(optional) Capacity: 8x5ml Max speed: 15000rpm Max RCF: 15093×g >>Downloads



DARSUN SCIENTIFIC

21b Lawler Drive, Oran Park, NSW, 2570, Australia

www.darsunscientific.com
Email us at Info@darsunscientific.com
Or call +61-283135514, +61-430583632