

proSET Shaking Incubator



Cleaver Scientific is introducing our newly innovated proSET series shaking incubator. This ultimate bench-top shaking incubator provides you the stability and durability for all your fermentation and incubation needs. The system incorporate multi-safety features to put you at your ease of mind.



Specification

Model No.	CSSI-200
Platform size	18.1" x 18.1" (46 x 46 cm)
Shaking orbit	3/4" (19 mm)
Speed range (rpm)	20-500 rpm
Speed control	1 rpm
Communication port	RS-485, PT-100
Heating temperature range	Ambient +5°C to 65°C
Heating output	300W
Temp accuracy and uniformity	± 0.25°C at 37°C
Timer	1 min to 999 hours, continuous operation
Display	3.5" Colour TFT LCD screen
Unit dimension (WxLxH)	Approx. 32.1"x 23.3" x 22.3" (Approx. 82 x 59 x 57cm)
Unit weight	Approx. 154.3 lb (Approx. 70 kg)
Voltage	110 / 220V~ 50 / 60Hz
Certification	CE, FCC

Shaking Incubator 200 series accessory

Racks and Tray

Cat. No.	Product Description	Max. platform capacity
SI-200-01	Universal platform	1
SI-200-02	Adjustable angle Tube Rack (33 x 15ml)	4
SI-200-03	Adjustable angle Tube Rack (16 x 50ml)	4
SI-200-04	Universal Spring Rack	2
SI-200-05	Sticky Pad platform	1
SI-200-06	Universal Cushioned Crossbar	1

Microplate and flask holder

Cat. No.	Product Description	Max. platform capacity
SI-200-07	Microplate holder	9
SI-200-08	Flask holder, 50 ml	52
SI-200-09	Flask holder, 125 ml	25
SI-200-10	Flask holder, 250 ml	25
SI-200-11	Flask holder, 500 ml	16
SI-200-12	Flask holder, 1000 ml	9
SI-200-13	Flask holder, 2000 ml	5

*Different size of flask holder available as accessories.

*All images are for reference only, actual products might differ from the pictures above.

*For further and updated information, please visit www.cleaverscientific.com

*Technical specifications subject to change without notice.



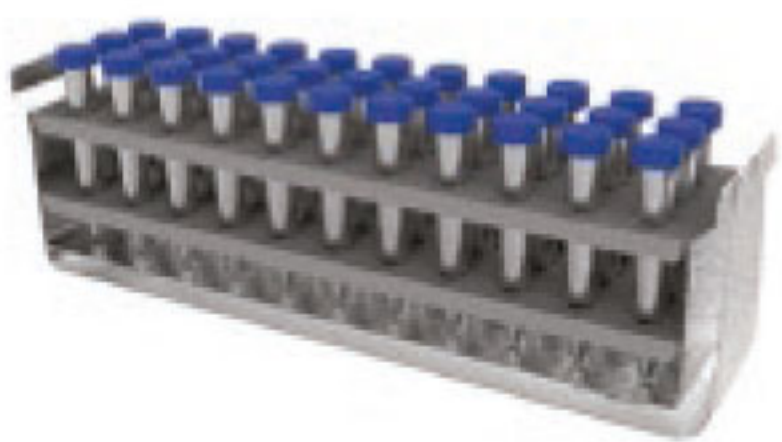
CSSI-200

Features

- Automatic shut off over temperature protection
- Built-in G sensor with warning for imbalance weight detection
- Safety interlock stops platform motion
- External temperature probe available upon order for precision temperature measurement
- Programmable or continuous mode for user application
- Wild shaking speed 20-500 rpm satisfy different types of culturing
- Contamination-free coating material for complete sanitary purposes
- Brushless DC motor for long and quiet operation, durable and maintenance free usage
- Various selection for accessories
- Acrylic lid for clear viewing and easy access



Universal platform
Cat. No: SI-200-01



Adjustable angle
tube rack (33 x 15 ml)
Cat. No: SI-200-02
***tube not included**



Adjustable angle
tube rack (16 x 50 ml)
Cat. No: SI-200-03



Universal spring rack
Cat. No: SI-200-04



Sticky pad platform
Cat. No: SI-200-05



Universal cushioned crossbar
Cat. No: SI-200-06



Microplate holders
Cat. No: SI-200-07

proSET Shaker

Features

- Various speed settings from 20-500rpm
- Equipped with a robust Brushless DC motor for economical and noiseless operation
- Two modes of operation available: Programmable or continuous
- Versatile accessories available for advanced culturing solutions.
- Auto detection and power shutdown to platform weight imbalance or belt breakage



Specification

Model No.	CS-200
Platform size	18.1" x 18.1" (46 x 46 cm)
Shaking orbit	3/4" (19 mm)
Speed range (rpm)	20-500 rpm
Speed Increment	1 rpm
Communication port	RS-485
Heating output	Approx. 100W
Timer	1 min to 999 hours, continuous operation
Display	3.5" Color TFT LCD screen
Unit dimension (WxDxH)	Approx. 32.1"x 23.3" x 22.3" (Approx. 82 x 59 x 57cm)
Unit weight	Approx. 110.2 lb (Approx. 50 kg)
Voltage	110~220V~ 50 / 60Hz
Certification	CE, FCC

proSET Chiller

The proSET Chiller series is Cleaver Scientific's newest addition to the bioprocessing technology portfolio to provide precise temperature control and excellent cooling performance for your fermentation needs and beyond. The recirculating chillers are compactly designed and require very little space; the built-on wheels offer an added bonus of mobility to any space-conscious labs. With a low procurement cost, it is your best option to stray away from costly tap water and is the perfect alternative for basic cooling needs.

Features

- Compact design
- Overheat protection
- LED display with PID control of 0.1°C resolution
- Self-diagnosed abnormality function
- Delayed resume compressor protection
- Jetstream forced-flow circulation

Ordering Information

Cat. No.	Product Description
CSWCC-100	proSET Chiller, 110V
CSWCC-101	proSET Chiller, 220V



CSWCC-100 / 101

Specification

Cat. No.	CSWCC-100	CSWCC-101	Operating temperature	+20°C~+40°C
Display	LED Display		Operating humidity	Max.80°C
Temperature control Range	0°C to +100°C		Rated voltage	110V; 60Hz, 14.5A 220V; 50Hz, 8A
Temperature stability	± 0.5°C at 20°C		Inner bath material	SUS#304
Temperature accuracy	± 0.5°C at 20°C		Bath inner dimension	(W x L x H) 9.25"x11.61"x5.90" (235x295x150mm)
Controller	PID control, PT100 sensor		External material	Powder Coating
Setting / display resolution	± 0.1°C		Compressor	1/4HP
Cooling capacity (Medium Ethanol)	1900 BTU/h @ 0°C		Unit dimension	(W x L x H) 13.39"x22.04"x26.38" (340x560x670mm)
Pump capacity flow rate (l/min)	5.5L/min		Unit weight	Approx. 110.2lb (50kg)
Pump capacity flow pressure (bar)	0.19bar		Safety device	"Self-diagnosed abnormality display Electronic overheating thermal fuse protection in increments of 0.1°C Delayed resume compressor protection"
Pump connections	1/4" silicone tubing		Circulation volume	Cycles up to 7L/min cooling system with delayed resume protection after power outage
Barbed fittings diameter (inner dia. / mm)	6.35mm or 1/4"		Circulation type	Jet stream flow forced circulation, can be accessed through the outer loop
Bath capacity	10L		Heater wattage	1000W
Refrigerant	CFC free refrigerants-R134a			