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CREATING STANDARDS
WITH COMMITMENT TO QUALITY

B.O.D. INCUBATOR

SHI-123

SHI-123

Double walled Chamber with interior walls made of stainless steel. The exterior is made heavy mild Steel finished with Powder coated. The door is also a double walled construction. The Temperature range is from 5-60°C, with an accuracy of +/-0.5°C, controlled by Digital Temperature controller cum Indicator. Temperature below ambient is maintained by a hermetically sealed TECHUMSHAH /KIRLOSKAR Condensing Unit / Compressor with complete unit provided at the bottom. Complete with Stainless Steel Trays, two air circulations fan and unbreakable acrylic transparent, inside door. To work on 220/230 V, Single phase AC Supply.



+5°C to 60°C

Temp. Range

+/- 0.5°C

Temp. Accuracy

+/- 1°C

Temp. Uniformity

220-230v 50Hz

Power

Sizes Available

Model No.	Inner Chamber (W x D x H)	CU FT. (Liters)	L T S	Shelves (No's)
SHI-123a	450X610X410mm	4.0	112	2
SHI-123B	500X825X415 mm	6.1	171	2
SHI-123C	565X865X550 mm	10.00	280	2
SHI-123D	650X875X550 mm	12.00	336	3
SHI-123E	650X1050X550 mm	15.00	420	3

Technical Specifications

Temperature Controller	Microprocessor based PID controller
Temp Display	Digital
Air Circulation	2 NOS Forced by 1/35fhp motor and blower
Heating Element	Stainless Steel
MOC	Exterior: MS powder coated Interior: 304 stainless steel
Insulation	Glass wool/Puff
Doors	Solid doors with gasket & lock
Inner Door	Glass with Aluminum Frame
Shelves	2 - 3 no of steel wire .
Cooling System	Hermetically sealed COPELAND /KIRLOSKAR Condensing unit/compressor
Illumination	By LED bulb
Control Panel	MCB, Main & Cooling ,Heating indicator, PID temp controller,
Door Lock	Provided with Lock & Key
Optional	Outer body of Stainless steel 212/304 Illumination by 3 nos LED tubes 0-24 Hrs Digital timer Rs-232 computer interference compatible to computer with software. NABL calibration of digital temp controller.



SHIVAM INSTRUMENTS

DELHI-110052

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CREATING STANDARDS
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High Temperature Furnace 1200°C

Light weight with ceramic fibre wool insulation (instead of brick insulation). The outer costing is made of double walled thick P.C.R.C. sheet reattached with thick perforated sheet on the bottom portion, painted with attractive stove enamel. The distinct feature of perforated sheet is to prevent the temperature control unit from very high heat. Heating elements are made of KANTHAL A1 wire of coil form . high temperature cer-wool insulation which avoids loss of energy.

SHI-205



+ 5°C to 1200°C

Maximum Temperature

+ /5°C

Temp. Accuracy

+/- 5°C

Temp. Uniformity

220-230v 50Hz
or 440V 3 Phase

Power

Temp. Range

Muffle Size	Rating
100 x 100 x 225 mm (4" x 4" x 9")	2.5 kw
125 x 125 x 250 mm (5" x 5" x 10")	3.0 kw
150 x 150 x 300 mm (6" x 6" x 12")	4.0 kw
200 x 200 x 300 mm (8" x 8" x 12")	5.0 kw
200 x 200 x 450 mm (8" x 8" x 18")	6.0 kw
300 x 300 x 300 mm (12" x 12" x 12")	6.0 kw
300 x 300 x 450 mm (12" x 12" x 18")	9.0 kw

Technical Specifications

Working Temp	Up to 1100°C
Temperature Controller	Microprocessor based PID controller
MOC	Exterior: MS Powder Coated Interior: Ceramic Tiles
Insulation	Ceramic Fiber Insulation
Doors	Solid Doors with Gasket & Lock
Control Panel	MCB, Main & Heating Indicators, PID Temp Controller
Exhaust Duct	Provided on back (Optional)
Optional	Outer body of Stainless steel 212/304
	Rs-232 computer interference compatible to computer with software NABL calibration of digital temp controller



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CREATING STANDARDS
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JAR TESTING OR MULTIPLE SPINDLE STIRRER (FLOCULATOR)

This unit is designed for flock information test in water treatment plants with variable speed from 20 to 180 RPM 1/20 H.P. geared motor whole unit is mounted on mild steel housing with tube lights support by four support or 9 1/2" height. S. Steel stirring peddle 1/3" are attached to rods 10" long 1/2" dia motor with lifting knob at the top. Locking collars at stirring rods permits adjustments of paddle height spacing of 6" between rods, permits use of 1000 ml beakers arresting directly on bench. Complete with ON/OFF switch. Fitted with digital RPM indicator & timer (Optional)



Technical Specifications

S.No.	PARTICUALRS	COMPLIANCE
1.	MOC	Body is made of mild steel powder coated & Base having a transparent acrylic sheet.
2.	Stirers	2,4,6 (Optional) with lifting knob to adjust the height of the strier having stainless steel blades.
3.	Speed Regulator	Variable speed regulator to regulate the speed of the stirrers from 20-180 RPM OR 30-250 (Optional)
4.	Capacity	1lt ,2 lts flask size (Optional)
5.	Motor	One number DC Geared motor
6.	Illumination	By fluorescent tubes
7.	RPM indicator	By digital indicator
8.	Timer	Digital 0-999 minutes/HRS (Optional)
9.	Load	0.25Kw
10.	Voltage	220-240 volts 50 HZ
11.	Spares	Beakers optional



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CREATING STANDARDS
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Ultra Low Temperature Research Cabinet/deep Freezer

Double walled construction. Inner chamber made of stainless and outer Mild steel painted with white stoving enamel. A water drain cock & stainless steel tray is provided at the base of the chamber. Temperature can be controlled upto -20°C by electronics Digital temperature controller cum indicator. High grade insulation is provided between the walls to achieve set temperature in short time. A sealed condensing unit of Kirloskar/ Techmshah fitted at the bottom below working chamber. Suitable to work on 220/230 V, 50 Hz. Single phase AC supply.

SHIVAM INSTRUMENTS

SHI-129

-20°C , -40°C , -80°C

Temp. Range Ambient to

$\pm 2^{\circ}\text{C}$

Temp. Accuracy

$\pm 2^{\circ}\text{C}$

Temp. Uniformity

220-230v 50Hz

Power

Temp. Range

Capacity Vertical/Horizontal	4cft	6cft	10cft	12cft	15cft
	-20°C	-20°C	-20°C	-20°C	-20°C
Temperature Range	-40°C	-40°C	-40°C	-40°C	-40°C
	-80°C	-80°C	-80°C	-80°C	-80°C

Technical Specifications

Temperature Controller	Microprocessor based PID Controller
Temp Display	Digital
MOC	Exterior: MS Powder Coated Interior: 304 Stainless Steel
Insulation	/Puff
Doors	Solid Doors with Gasket & Lock
Inner Door	Glass with Aluminum Frame
Shelves	2/3/4
Cooling System	Hermetically Sealed COPELAND /KIRLOSKAR Condensing unit/compressor
Illumination	By LED Tube
Control Panel	MCB, Main& Cooling ,Heating indicator, PID Temp Controller
Door Lock	Provided with Lock & Key
Optional	Outer Body of Stainless Steel 212/304 Rs-232 Computer Interference Compatible to Computer with Software NABL Calibration of Digital Temp Controller



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CREATING STANDARDS
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Muffle Furnace Rectangular

SHI-204

Light weight with ceramic fibre wool insulation (instead of brick insulation). The outer costing is made of double walled thick P.C.R.C. sheet reattached with thick perforated sheet on the bottom portion, painted with attractive stove enamel. The distinct feature of perforated sheet is to prevent the temperature control unit from very high heat. Heating elements are made of KANTHAL A1 wire of coil form . high temperature cer-wool insulation which avoids loss of energy.



+ 5°C to 1000°C

Maximum Temperature

+ /5°C

Temp. Accuracy

+/- 5°C

Temp. Uniformity

220-230v 50Hz
or 440V 3 Phase

Power

Temp. Range

Muffle Size	Rating
100 x 100 x 225 mm (4" x 4" x 9")	1.5 kw
125 x 125 x 250 mm (5" x 5" x 10")	2.0 kw
150 x 150 x 300 mm (6" x 6" x 12")	3.0 kw
200 x 200 x 300 mm (8" x 8" x 12")	5.0 kw
200 x 200 x 450 mm (8" x 8" x 18")	6.0 kw
300 x 300 x 300 mm (12"x12"x12")	9.0 kw

Technical Specifications

Working Temp	Up to 950°C
Temperature Controller	Microprocessor Based Controller
MOC	Exterior: MS Powder Coated Interior: Ceramic Refractory
Insulation	Ceramic Fiber Insulation
Doors	Solid Doors with Insulation
Control Panel	MCB, Main & Heating Indicators, Temp Controller
Exhaust Duct	Provided on back (Optional)
Optional	Digital timer Outer body of Stainless steel 212/304 Rs-232 computer interference compatible to computer with software NABL calibration of digital temp controller



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CREATING STANDARDS
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Orbital Shaking Incubator (Cooling System)

Temperature controlled by Digital Temp. Controller cum indicator 5° to 60°C, with an accuracy of +/-0.5°C or better. Temperature below ambient is maintained by a hermetically sealed compressor with complete unit placed beneath the chamber. Shaking speed can be controlled by speed regulator and fitted with D.C. drive indicated by Digital RPM meter. Shaking platform also made of S.Steel to accommodate 16 flask of 500ml. capacity..A stainless steel perforated tray is also provided for the use of upper portion of the chamber as a simple BOD incubator. An illumination lamp is also provided inside the chamber, suitable to work on 220/230 V, 50Hz. Single phase AC supply.

SHI-134



+5°C to 60°C

Temp. Range

+/- 0.5°C

Temp. Accuracy

+/- 1°C

Temp. Uniformity

220-230v 50Hz

Power

Sizes Available

SIZE AVAILABLE:

Chamber Size : 625 x 550 x 550 mm to hold 16 flask of 500ml

Technical Specifications

Temperature Controller	Microprocessor based PID controller
Temp Display	Digital
Air Circulation	2 NOS Forced by 1/35fhp motor and blower
Heating Element	Stainless Steel
MOC	Exterior: MS powder coated Interior: 304 stainless steel
Insulation	Glass wool/Puff
Doors / Inner Door	Solid doors with gasket & lock / Glass with Aluminum Frame
Shelves / Shaker	1 No. of Steel Wire / Rotary Type Shaker with Lotus Clamps to hold Flask.
Cooling System	Hermetically Sealed COPELAND /KIRLOSKAR Condensing unit/compressor
Illumination	By LED Tube
Control Panel	MCB, Main & Cooling, Heating Indicator, PID Temp. Controller, Digital RPM Indicator with DC Drive for Shaker , Speed Regulator.
Door Lock	Provided with Lock & Key
Optional	Outer body of Stainless steel 212/304 Illumination by 3 nos LED tubes 0-24 Hrs Digital timer Rs-232 computer interference compatible to computer with software. NABL calibration of digital temp controller.



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CREATING STANDARDS
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LABORATORY OVEN (UNIVERSAL MEMMERT TYPE)

Double walled construction. Inner chamber made of anodized Aluminum / S.Steel. Outer body made of mild steel is powder coated/painted. Temperature thermostatically controlled by hydraulic thermostat from 50°C-250°C. Elements are at the bottom and sides. Built in 'L' shape thermometer. The gap between the inner & outer chamber is filled with high grade glass wool to avoid the thermal losses. Perforated adjustable trays. Two pilot lamp on/off switch. To work on 220/230 V.AC.



Model No.	Inner Chamber (W x D x H)	Volume (Liters)	Load (KW)	Shelves (No's)
SHI-101a	300 x 300 x 300 mm	28	1.5	2
SHI-101B	355 x 355 x 355 mm	43	1.5	2
SHI-101C	455 x 455 x 455 mm	90	2.0	2
SHI-101D	455 x 455 x 605 mm	105	2.2	3
SHI-101E	605 x 605 x 605 mm	215	2.5	3
SHI-101F	605 x 455 x 910 mm	240	2.5	3
SHI-101G	605 x 605 x 910 mm	325	3.0	3

Technical Specifications

Temperature Range	Ambient +5°C to 250°C
Temperature Accuracy	+ / - 2°C
Temperature Uniformity	+ / - 1°C
Controls	Microprocessor based PID controller
Temp Display	Digital
Air Circulation	Forced by 1/35hp motor and blower
Power	220-230v 50Hz
Heating Element	Nichrome wire/ Kanthal A1
MOC	Exterior: MS powder coated Interior: 304 stainless steel/Aluminum
Insulation	Glass wool
Doors	Solid doors with gasket & lock
Shelves	2 – 3 no of steel wire.



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CREATING STANDARDS
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SEED GERMINATOR (Single Chamber Cooling System)

Double walled germinator with interior walls made Stainless Steel. The exterior is made of heavy mild steel finished with powder coated. The temperature is controlled by Digital Temperature Controller cum indicator from 5-50°C, +/- 2°C and humidity from 60-95%, +/-5% controlled digital humidity controller. Temp below ambient is controlled by hermetically sealed KIRLOSKER/ Tecumseh condensing unit/compressor. The complete unit is fitted below the chamber on the heavy angel base. Complete with Stainless Trays (14 Nos) Stainless steel water tank heating element/Humidifier to create humidity inside chamber to work on 220/230V, Single phase AC supply.

SHI-126



+5°C to 60°C

Temp. Range

+/- 0.5°C

Temp. Accuracy

+/- 1°C

Temp. Uniformity

220-230v 50Hz

Power

Sizes Available

SIZE AVAILABLE :

Each Chamber Size : (W x H x D) 555 x 910 x 605 mm

Technical Specifications

Temperature Controller	Microprocessor based PID controller
Temp Display	Digital
Humidity Range	Ambient +5% to 90% adjustable
Humidity Controller	Digital PID
Air Circulation	2 NOS Forced by 1/35fhp Motor and Blower
Heating Element	Stainless Steel
Humidifier	Fitted in the Chamber with Stainless Steel Heater and Stainless Steel Tank.
MOC	Exterior: MS Powder Coated Interior: 304 Stainless Steel
Insulation	Glass Wool/Puff
Doors / Inner Door	Solid Doors with Gasket & Lock / Glass with Aluminum Frame
Shelves	14 No of Steel Wire
Cooling System	Hermetically Sealed COPELAND/KIRLOSKAR Condensing unit/compressor
Illumination	By LED Tube
Control Panel	MCB, Main & Cooling, Heating Indicator, PID Temp Controller, Humidity Controller
Door Lock	Provided with Lock & Key
Optional	Outer Body of Stainless Steel 212/304 Illumination by 3 Nos. LED Tubes 0-24 Hrs Digital Timer Rs-232 Computer Interference Compatible to Computer with Software. NABL Calibration of Digital Temp Controller



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