



Scientific Instrument Concern

(Deals in Scientific Instrument, Chemicals & Glassware)

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- Payment – 100% advance payment along with confirmed order.
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- We reserve the right to change design & specification at any time without any prior information
- Prices can be changed any time without prior information.
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- We provide service within our “Scope of work” only. Visit/Service/AMC charges are separately applicable.
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- This Price list cancels any other earlier dealer price or price list



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SIN-HAO-1**Hot Air Oven**

Temperature –ambient +5 °C to 250 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, 3 sided heating element, solid door with lock.

CODE	Size		Shelve	Volume	Inner Chamber Construction - AL/SS
	H X W X D in mm	H X W X D in inch			
A	300x300x300	12x12x12	2	28	
B	350x350x350	14x14x14	2	45	
C	400x400x400	16x16x16	2	65	
D	450x450x450	18x18x18	2	95	
E	600x450x450	24x18x18	2	125	
F	600x600x600	24x24x24	2	224	
G	900x600x450	36x24x18	2	252	
H	900x600x600	36x24x24	2	336	
I	900x900x900	36x36x36	3	480	

**SIN-DO-2****Drying Oven**

Temperature –ambient +5 °C to 250 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, 3 sided heating element, solid door with lock.

CODE	H X W X D in mm	H X W X D in inch	Inner - M.S Chamber
A	300x300x300	12x12x12	
B	350x350x350	14x14x14	
C	400x400x400	16x16x16	
D	450x450x450	18x18x18	
E	600x450x450	24x18x18	
F	600x600x600	24x24x24	
G	900x600x450	36x24x18	
H	900x600x600	36x24x24	
I	900x900x900	36x36x36	

**Optional**

CODE	Description
1	Air Circulating Fan
2	Timer - 0-24 hours
3	Digital Temp. Indicator
4	Digital Temp. Controller
5	Microprocessor basesd PID Controller, 0.1°C accuracy
6	Programmable controller with data logger, RS 232 Cable, with software cd & thermal printer
7	Automatic - on/off functioning



SIN-TD-3**Tray Dryer**

Temperature –ambient +5 °C to 200 °C, Accuracy - $\pm 1^\circ\text{C}$, Double wall system, Outer MS- Powder coated, solid door.

Size		Shelve	Inner Chamber Construction - MS/SS
C O D E	H X W X D in mm	H X W X D in inch	No. of Trays
A	430x840x650	16"x32"x1 1/4"	8
B	430x840x910	16"x32"x1 1/4"	12
C	910x840x910	16"x32"x1 1/4"	24
D	960x1270x1450	16"x32"x1 1/4"	48
E	960x1700x1700	16"x32"x1 1/4"	96

**SIN-VO-4****Vaccum Oven**

Temperature –ambient +5 °C to 130 °C, Accuracy - $\pm 1^\circ\text{C}$, Double wall system, Outer MS- Powder coated, solid door .

Size		Shelve	Inner Chamber Construction - SS
C O D E	H X W X D in mm	No. of Trays	
A	250x300	12	
B	300x300	24	
C	300x500	40	

**Optional**

CODE	Description
1	Air Circulating Fan
2	Timer - 0-24 hours
3	Digital Temp. Indicator
4	Digital Temp. Controller
5	Microprocessor basesd PID Controller, 0.1°C accuracy
6	Programmable controller with data logger, RS 232 Cable, with software cd & thermal printer
7	Automatic - on/off functioning

SIN-BI-5**Bacteriological Indicator**

Temperature –ambient +5 °C to 60 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, solid door with lock.

CODE	Size		Shelve	Volume	Inner Chamber Construction - AL/SS
	H X W X D in mm	H X W X D in inch			
A	300x300x300	12x12x12	2	28	
B	350x350x350	14x14x14	2	45	
C	400x400x400	16x16x16	2	65	
D	450x450x450	18x18x18	2	95	
E	600x450x450	24x18x18	2	125	
F	600x600x600	24x24x24	2	224	
G	900x600x450	36x24x18	2	252	
H	900x600x600	36x24x24	2	336	
I	900x900x900	36x36x36	3	480	

**Optional**

CODE	Description
1	Air Circulating Fan
2	Timer - 0-24 hours
3	Digital Temp. Indicator
4	Digital Temp. Controller
5	Microprocessor based PID Controller, 0.1°C accuracy
6	Programmable controller with data logger, RS 232 Cable, with software cd & thermal printer
7	Automatic - on/off functioning

SIN-EI-6**Egg Incubator**

Temperature –ambient +5 °C to 60 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, solid door with lock, manual tilting device.

CODE	Size	Inner Chamber Construction - S.S
A	50 eggs	
B	100 eggs	
C	200 eggs	
D	250 eggs	

**Optional**

CODE	Description
1	Digital temp controller
2	Microprocessor PID Controller

SIN-BI-7**BOD Incubator**

Temperature –ambient +5 °C to 60 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, solid door with lock.

Size		Shelve	Volume	Flask Capacity	Inner Chamber Construction - SS
C O D E	H X W X D in mm	CU FT	No. of Shelves	Capacity (Liter)	No. of Flasks
A	455x410x610	4	3	112	9 x 250 ml
B	505x415x830	6	3	171	16 x 250 ml
C	565x565x865	10	4	280	36 x 250 ml
D	650x580x900	12	2	336	48 x 250 ml
E	700x650x900	15	5	420	56 x 250 ml

**Optional**

CODE	Description
1	Timer
2	CO ₂ Air mixer nozzle
3	Digital Temp. Controller
4	Microprocessor basesd PID Controller, 0.1°C accuracy
5	Programmable controller with data logger, RS 232 Cable, with software cd & thermal printer
6	Automatic - on/off functioning
7	Auto Voltage stabilizer 3 kva

SIN-HI-8**Hybridization Incubator**

Temperature –ambient +5 °C to 60 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, solid door with lock, Digital temp. Indicator cum controller. Inner S. S. Chamber with carrier to hold 6 bottles of 60mm Dia x 200 mm Depth.

Price:-**Optional**

CODE	Description
1	Carrier for bottle



SIN-BSI-9**BOD Shaker Incubator**

Temperature $-+5^{\circ}\text{C}$ to 60°C , Accuracy $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, solid door with lock, Wheel mounted, Inner door acrylic sheet, 1 no of light, RPM Meter – 20-250 rpm

Size		Shelve	Volume	Flask Capacity	Inner Chamber Construction - SS
C O D E	H X W X D in mm	CU FT	No. of Shelves	Capacity (Liter)	No. of Flasks
A	455x410x610	4	3	112	9 x 250 ml
B	505x415x830	6	3	171	16 x 250 ml
C	565x565x865	10	4	280	36 x 250 ml
D	650x580x900	12	4	336	48 x 250 ml
E	700x650x900	15	5	420	56 x 250 ml

**Optional**

CODE	Description
1	Timer
2	CO ₂ Air mixer nozzle
3	Digital Temp. Controller
4	Microprocessor basesd PID Controller, 0.1°C accuracy
5	Programmable controller with data logger, RS 232 Cable, with software cd & thermal printer
6	Automatic - on/off functioning
7	Auto Voltage stabilizer 3 kva

SIN-DBI-10**Dry Bath Incubator**

Temperature –Ambient $+5^{\circ}\text{C}$ to 100°C , Accuracy $\pm 1^{\circ}\text{C}$, Digital controlled, block for 1.5/2.0 ml.

CODE	No. of Blocks
A	1 - 96 x 96 x 49 mm
B	2 - 96 x 96 x 49 mm



SIN-SI-11**Shaker Incubator**

Temperature –Ambient +5 °C to 60 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, solid door with lock, Inner door acrylic sheet, 1 no of light, RPM Meter – 20-250 rpm.

Size	Shelfe	Volume	Flask Capacity	Inner Chamber Construction - SS
C O D E	H X W X D in inch.	No. of Shelves	Capacity (Liter)	No. of Flasks
A	15 x 15 x 18	1	72	9 x 250 ml
B	18 x 18 x 24	1	125	16 x 250 ml
C	24 x 24 x 36	2	252	36 x 250 ml

Optional

CODE	Description
1	Timer
2	CO ₂ Air mixer nozzle
3	Digital Temp. Controller
4	Microprocessor basesd PID Controller, 0.1°C accuracy
5	Programmable controller with data logger, RS 232 Cable, with software cd & thermal printer
6	Automatic - on/off functioning
7	Wheel
8	Fan
9	Auto voltage stabilizer 3kva

**SIN-OSI-12****Orbital Shaker Incubator**

CODE	DESCRIPTION
A	Temperature –Ambient +5 °C to 60 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, solid door with lock, Inner door acrylic sheet, 1 no of light, RPM Meter – 50-200 rpm, 16 x 500 ml.
B	Temperature –+5 °C to 60 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, solid door with lock, Inner door acrylic sheet, 1 no of light, RPM Meter – 50-200 rpm, 16 x 500 ml.

**Optional**

CODE	Description
1	Timer
2	Digital Temp Indicator
3	Digital Temp. Controller
4	Microprocessor basesd PID Controller, 0.1°C accuracy
5	Programmable controller with data logger, RS 232 Cable, with software cd & thermal printer
6	Automatic - on/off functioning
7	Digital On-Off Timer
8	RPM Meteer, 50-200 rpm



CODE	DESCRIPTION
A	walk in incubator, W X H X D - 1.2 X 2.3 X 1.2 METER, TEMP - AMBIENT +5°C TO 60 °C
B	walk in incubator, W X H X D - 2.3X 2.3 X 2.3 METER , TEMP - AMBIENT +5°C TO 60 °C
C	walk in incubator, W X H X D - 1.2 X 2.3 X 1.2 METER, TEMP - AMBIENT +5°C TO 60 °C, HUMIDITY - 95±5%
D	walk in incubator, W X H X D - 2.3X 2.3 X 2.3 METER , TEMP - AMBIENT +5°C TO 60 °C , HUMIDITY - 95±5%
E	walk in incubator, W X H X D - 1.2 X 2.3 X 1.2 METER, TEMP - +10°C TO 60 °C
F	walk in incubator, W X H X D - 2.3X 2.3 X 2.3 METER , TEMP - +10°C TO 60 °C



Optional

CODE	Description
1	Timer
2	Digital Temp Indicator
3	Digital Temp. Controller
4	Microprocessor basesd PID Controller, 0.1°C accuracy
5	Programmable controller with data logger, RS 232 Cable, with software cd & thermal printer
6	Automatic - on/off functioning
7	Digital On-Off Timer
8	Auto voltage stabilizer 3kva

Temperature –ambient +5 °C to 80 °C, Accuracy - ±1°C, Double wall system, Outer MS- Powder coated.

CODE	Size		Volume	Racks	Inner Chamber Construction - AL/SS
	H X W X D in mm	H X W X D in inch			
A	300x175x175	12x7x7	28	1	
B	350x250x175	12x10x7	45	2	
C	375x300x175	15x12x7	65	4	
D	450x300x175	18x12x7	95	6	
E	600x300x175	24x12x7	125	8	



SIN-BM-15**Rectangular Water Bath**

Temperature –ambient +5 °C to 80 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Outer MS- Powder coated, Inner SS

CODE	Size	Description	Volume (Liter)	Wall
A	300x250x100	6 holes of 75 mm dia	8	Single
B	355x405x100	12 holes of 75 mm dia	15	Single
C	300x250x100	6 holes of 75 mm dia	8	Double
D	355x405x100	12 holes of 75 mm dia	15	Double

**SIN-PWB-16****Precision Water Bath**

Temperature –ambient +5 °C to 80 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall, Outer MS- Powder coated, Inner SS, complete with stirrer, glass window on both sides

CODE	Size in mm.	Size in inch.
A	300x250x100	17 x 10 x 9
B	355x405x100	18 x 15 x 15
C	300x250x100	24 x 18 x 18

**Optional**

CODE	Description
1	Timer 0-24 hours
2	Digital Temp Indicator
3	Digital Temp. Controller
4	Microprocessor basesd PID Controller, 0.1°C accuracy
5	Digital On-Off Timer
6	SS Stirring rod and blade
7	Low water level cut off device

SIN-PRWB-17**Paraffin Water Bath**

Temperature –ambient +5 °C to 80 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated, Inner SS

CODE	Description
A	4 caps , 6 sleeves
B	6 caps , 8 sleeves
C	12 caps , 14 sleeves

**Optional**

CODE	Description
1	Timer 0-24 hours
2	Digital Temp Indicator
3	Digital Temp. Controller
4	Microprocessor basesd PID Controller, 0.1°C accuracy
5	Digital On-Off Timer
6	Low water level cut off device



SIN-WBIS-18**Water Bath Incubator Shaker**

Temperature –ambient +5 °C to 80 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated. Inner SS

CODE	Size in mm	Capacity (Liter)
A	275x150x150	12
B	405x300x150	18

Optional

CODE	Description
1	Timer 0-24 hours
2	Digital Temp Indicator
3	Digital Temp. Controller
4	Microprocessor based PID Controller, 0.1°C accuracy
5	Digital On-Off Timer
6	SS Stirring rod and blade
7	Low water level cut off device
8	Shaking tray for 25/50/100 ml, test tubes, or flasks

SIN-WBTF-19**Water Bath Tissue Floatation**

Temperature –ambient +5 °C to 80 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall system, Outer MS- Powder coated. Inner black oxidized aluminium sheet.

CODE	DESCRIPTION
A	200 x 75 mm
B	250 x 125 mm

**Optional**

CODE	Description
1	Low water level cut-off device
2	Digital Temp Controller

SIN-BM-20**Oil Bath**

Temperature –ambient +5 °C to 300°C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall, Outer MS- Powder coated, Inner SS.

CODE	Size in mm	Size in inch	Capacity (Liter)
A	250x250x250	10 x 10 x 10	16
B	300x300x250	12 x 10 x 10	23
B	300x350x250	14 x 10 x 10	33

**Optional**

CODE	Description
1	Digital Temp. Controller
2	Microprocessor based PID Controller, 0.1°C accuracy
3	Mercury contact thermometer with relay , accuracy better than 1°C



SIN-BM-21**Universal Water Bath**

Temperature –ambient +5 °C to 80 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall, Outer MS- Powder coated, Inner SS, dual purpose

CODE	Size in mm	Capacity (Liter)
A	300x225x175	14
B	450x300x175	25

**SIN-CTWB-21****Constant Temperature Water Bath**

Temperature –+5 °C to 80 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall, Outer MS- Powder coated, Inner SS, dual purpose

Size in mm	Capacity (Liter)
500x250x250	32

**SIN-RLWB-21****Refrigerated Liquid Water Bath**

Temperature range, –5°C to 80 °C, Accuracy - $\pm 1^{\circ}\text{C}$, Double wall, Outer MS- Powder coated, Inner SS, dual purpose

Size in mm	Capacity (Liter)
450x300x300	42

**Optional**

CODE	Description
1	Digital Temp. Controller
2	Microprocessor based PID Controller, 0.1°C accuracy
3	Stirring arrangement with SS Rod and blade
4	Low water level cut off device



SIN-RMF-24**Rectangular Muffle Furnace - 1000°C**

Maximum Temperature –ambient +5 °C to 1000 °C, Working Temperature –ambient +5 °C to 900 °C, Accuracy - ±1°C, Double wall system, Outer MS- Powder coated. Fitted with energy regulator

**SIN-RMF-25****Rectangular Muffle Furnace - 1200°C**

Maximum Temperature –ambient +5 °C to 1200 °C, Working Temperature –ambient +5 °C to 1100 °C, Accuracy - ±1°C, Double wall system, Outer MS- Powder coated. Fitted with energy regulator.

**Optional**

CODE	Description
1	Timer 0-24 hours
2	Digital Temp Indicator
3	Digital Temp. Controller
4	Microprocessor basesd PID Controller, 0.1°C accuracy
5	Digital On-Off Timer
6	Programmable controller with data logger, RS 232 Cable, with software cd & thermal printer

SIN-HPR-26**Hot Plate****DESCRIPTION**

Single 8" diameter, round top , iron casting

**SIN-HPRC-27****Hot Plate****CODE** **DESCRIPTION**

- A 30 X25 cm, 12"x10 " , rectangular top , iron
- B 40 X25 cm, 16"x10 " , rectangular top , iron
- C 45 X30 cm, 18"x12 " , rectangular top , iron
- D 60X45 cm, 24"x18" , rectangular top , iron casting

**SIN-MS-28****Magnetic Stirrer****CODE** **DESCRIPTION**

- A 1 LITER, SS top
- B 2 LITER, SS top
- C 5 LITER, SS top
- D 10 LITER, SS top

**SIN-MSH-29****Magnetic Stirrer with Hot Plate****CODE** **DESCRIPTION**

- A A 1 LITER, SS top
- B 2 LITER, SS top
- C 5 LITER, SS top
- D 10 LITER, SS top

**SIN-SWT-30****Slide Warming Table****CODE** **DESCRIPTION**

- A A 30 X25 cm, 12"x1 0", rectangular top, SS
- B 40 X25 cm, 16"x10 " , rectangular top, SS
- C 60 X15 cm, 24"x6 " , rectangular top, SS
- D 45X30 cm, 18"x12", rectangular top, SS

**Optional****CODE** **Description**

- 1 Sunvic energy regulator
- 2 Digital Temp Controller



SIN-GBS-31**Glass Bead Sterilizer****DESCRIPTION**

2" dia x 2" depth

**Optional****CODE** **Description**

1 Glass Beads

SIN-LBS-32**Laboratory Stirrer****DESCRIPTION**

2" dia x 2" depth

**SIN-TH-33****Tissue Homogenizer****CODE** **DESCRIPTION**

- A Homogenizing Vessel - 25 ml
- B Homogenizing Vessel - 50 ml
- C Homogenizing Vessel - 100 ml

**SIN-VR-34****VDRL Rotator****DESCRIPTION**

13"x13" carrier size with fixed speed

**SIN-SMWA-35****Shaking Machine Wrist Action**

Can shake flask from 100 to 1000 ml, conical or round bottom. Speed 80 – 280 oscillations/min.

CODE **DESCRIPTION**

- A 4 Flasks
- B 8 Flasks
- C 16 Flasks

**Optional****CODE** **Description**

1 Automatic 0-60 minutes timer

SIN-VSC-36**Vortex Shaker/ Cyclo Mixer****DESCRIPTION**

Test tube shaker, touch or continuous



SIN-RES-37**Reciprocating Shaker**

CODE	Size of Carrier	Strokes/min	Motor
A	20 "X13 "x4"	150-250	0.25 HP
B	31 "X17 "X4"	150-250	0.25 HP
C	36"X18"X4"	150-250	0.25 HP

Optional

CODE	Description
1	Automatic 0-60 minutes timer

**SIN-RES-38****Reciprocating Shaker**

CODE	Platform Size	Holding Capacity	Motor
A	45x45 cm	25x100ml	0.25 HP
B	45x45 cm	36x50 ml	0.25 HP
C	45x45 cm	15x250 ml	0.25 HP
D	55X55 cm	25x250 ml	0.25 HP
E	65X65 cm	36x250 ml	0.25 HP
F	100X100 cm	81x250 ml	1.00 HP
G	100X100 cm	81x500 ml	1.00 HP

**Optional**

CODE	Description
1	Automatic 0-60 minutes timer

SIN-RSS-39**Reciprocating Shaker**

DESCRIPTION
Driven by a 0.25 H.P. motor, 220 volt A.C. through a reduction gear and is suitable to carry up to 7 sieves of 6" or 8" dia. When clamped the sieve table does not rotate but is inclined from the vertical axis and the direction of inclination changes progressively in the clockwise direction. In addition to the gyroscopic motion of the shaker there is an upward and downward movement at a frequency of 270 r. p. m.

**Optional**

CODE	Description
1	Digital Timer
2	Digital RPM Meter

SIN-RE-40**Rotary Evaporator**

Variable speed for variety of use (90 RPM to 200 RPM). All glass parts are easily replaceable. Supplied with 1 Lt. Evaporator and receiving flask. Steam duct a condenser, inlet feed 2 clamps, a dry unit wire cord and Plug to work on 220 volts AC. Water Bath for 1ltr

CODE	DESCRIPTION
A	Analog
B	Digital

**SIN-MPA-41****Melting Point Apparatus**

Suitable to determine melting point up-to 350°C mounting block is illuminated from below. Temperature is regulated. The Lamp provided uniform shadow less regulator fitted to the unit.

CODE	DESCRIPTION
A	Analog
B	Analog with cooling plug
C	Digital

**Optional**

CODE	Description
1	Thermometer for Analog model

SIN-VP-42**Vacuum Pump**

CODE	Capacity LT/min	Motor HP	CODE-S	CODE-D
			Single Stage	Double Stage
A	32	0.25		
B	50	0.25		
C	100	0.25		

**Optional**

CODE	Description
1	Oil/ltr
2	Vacuum gauge with regulator
3	Mixture trap with vacuum gauge and regulator

SIN-VP0-42**Vacuum Pump (Oil Free)**

CODE	Capacity LT/min	Motor HP
A	15	1/16
B	25	1/8
C	45	1/6
C	75	1/4



SIN-SXA-43**Soxhlet Apparatus****CODE TYPE**

A	3 mantle 500 watts
B	6 mantles 750 watts
C	3 heaters
D	6 heaters
E	3 Hotplates
F	6 Hotplates
G	3 Bath
H	6 Bath

**Optional****CODE Description**

1	Digital temperature controller
2	Microprocessor based PID Controller
3	Mercury contact thermometer with relay, accuracy better than 1°C
4	Glass part – 3 units
5	Glass part – 6 units
6	Sunvic energy regulator

SIN-KDU-44**Kjeldahl Units****CODE Method Type No. of Tests**

A	Digestion	0.25	0.25
B	Digestion	0.25	0.25
C	Digestion	0.25	0.25
D	Digestion	0.25	0.25
E	Distillation	0.25	0.25
F	Distillation	0.25	0.25
G	Distillation	0.25	0.25
H	Distillation	0.25	0.25
I	Digestion & Distillation	0.25	0.25
J	Digestion & Distillation	0.25	0.25
K	Digestion & Distillation	0.25	0.25
L	Digestion & Distillation	0.25	0.25

**Optional****CODE Description**

1	Sunvic energy regulator
2	Glass part – 3 units for digestion
3	Glass part – 6 units for digestion
4	Glass part – 3 units for distillation
5	Glass part – 6 units for distillation
6	Glass part – 3 units for digestion & distillation
7	Glass part – 6 units for digestion & distillation
8	Fume duct – borosilicate glass 3 test
9	Fume duct – borosilicate glass 3 test



SIN-COD-45**COD Digester****CODE** **Description**

- A 6 hole tube - auto time controlled
 B 15 hole tube - auto time controlled

Optional**CODE** **Description**

- 1 Glass part

**SIN-COD-46****Flocculator – Jar Testing Apparatus****CODE** **Description**

- A 4 Test
 B 6 Test

**SIN-RM-47****Roller Mixer****CODE** **Description**

- A 4 rolls of PVC Rods for smooth operation
 Rolling speed – 10-30 RPM Rolling rods – PVC,
 320 mm Outer – MS Coated

**SIN-BM-48****Ball Mill****CODE** **Description**

- A 1 kg, Outer – AL, Inner - SS
 B 2 kg, Outer – AL, Inner - SS
 C 5 kg, Outer – AL, Inner - SS

**SIN-FPA-49****Flash Point Apparatus****CODE** **Description**

- A brass test cup. Cup over and spring loaded rotating shutter, pilot jet stirrer with flexible shaft. Assembly rests on air covered with dome shaped metal top. Cup is fitted with insulated handle and locking arrangement near the cup base. Round electric heater is provided with temp regulator.

**SIN-FPA-50****Pipette Washer****CODE** **Description**

- A Washing cylinder 63x15 cm (dia made of stainless steel sheet is mounted on base of 26 cm dia. Pipette holder is removable. This accommodates pipettes up to 375 cm lengths.



SIN-AL-51**Autoclave**

Temperature - 121°C, Pressure 15 – 20 PSI. Fitted with Safety valve, Pressure gauge, Release valve, Paddle, SS bucket.

CODE	Size in inch.	CODE - MS	CODE - SS
		Outer MS Powder Coated, Inner SS	Outer & Inner both SS
A	10X18		
B	12X20		
C	14X22		
D	18X24		
E	22X30		
F	24X36		

**Optional**

CODE	Description
1	Pressure switch
2	Radial lock - for 10x18,12x20,14x22
3	Radial lock - for 18x24,22x30,24x36
4	Microprocessor PID Digital controller with alarm and timer
5	Microprocessor PID Digital controller
6	Water level indicator
7	Water level cut out

SIN-HC-52**Humidity Cabinet**

Temperature – Ambient +5°C to 60°C, humidity 30-90 %

CODE	Size in mm.	Capacity(Liter)
A	455x455x455	95
B	455x455x710	147
C	605x605x605	225
D	605x605x910	335

**Optional**

CODE	Description
1	Hygrometer
2	Digital Controller
3	Microprocessor based PID controller
4	Electronic controller for temp and humidity, digital display
5	Automatic voltage stabilizer 3kva

SIN-EHC-53**Environmental Humidity Cabinet**

Temperature – +5°C to 60°C, humidity 20-95%, Outer MS – Powder coated & Inner SS

CODE	Size in mm.	Capacity(Liter)
A	455x455x455	95
B	455x455x710	147
C	605x605x605	225
D	605x605x910	335

**Optional**

CODE	Description
1	Hygrometer
2	Digital Controller
3	Microprocessor based PID controller
4	Electronic controller for temp and humidity, digital display
5	Automatic voltage stabilizer 3kva

SIN-PGC-54**Plant Growth Chamber**

Temperature +5°C to 60°C, humidity 20-95%, Light arrangement system, Outer MS – Powder coated

CODE	Size	Capacity		Inner Chamber Construction - MS/SS
		in mm.	in cuft.	
A	570X 875X 550	10	280	
B	775x900x775	20	560	
C	835x1200x825	30	840	
D	900x1720x800	45.8	1282	

**Optional**

CODE	Description
1	Electronics Digital Indicator cum Humidity cum Temperature Controller
2	Automatic voltage stabilizer 3kva
3	Microprocessor based PID controller

SIN-SG-55**Seed Germinator**

Temperature +5°C to 60°C, humidity 20-95%, Light arrangement system, Outer MS – Powder coated, Size (mm) – 555x 910 x 605, Capacity – 308 liter.

CODE	Chamber Description	Inner Chamber Construction - MS/SS
A	Single	
B	Dual, Heating & cooling in separate chamber	
C	Dual, Heating & cooling in same chamber	

**Optional**

CODE	Description
1	Automatic 0-24 hours timer to regulate cyclic
2	Automatic voltage stabilizer 3kva

SIN-MC-56**Mortuary Chamber**

Fitted with outer MS Painted trays travel on rollers fitted with ball bearings, Complete with digital temperature controller.

CODE	Chamber Description	Inner Chamber Construction - MS/SS
A	SINGLE BODY - 2 TO 5°C, Voltage stabilizer 3 kw	
B	Double BODY - 2 TO 5°C, Voltage stabilizer 4 kw	
C	3 BODY - 2 TO 5°C, Voltage stabilizer 5 kw	
D	4 BODY - 2 TO 5°C, Voltage stabilizer 8 kw	
E	6 BODY - 2 TO 5°C, Voltage stabilizer 8 kw	

**Optional**

CODE	Description
1	Automatic 0-24 hours timer to regulate cyclic
2	Automatic voltage stabilizer 3kva

SIN-BBR- 57**Blood Bank Refrigerator**

Fitted with outer MS Painted, Inner chamber – SS.

CODE	Chamber Description	Inner Chamber Construction - MS/SS
A	85 liter (50 blood bags)	
B	165 liter (110 blood bags)	
C	200 liter (200 blood bags)	
D	280 liter (250 blood bags)	
E	400 liter (360 blood bags)	

**Optional**

CODE	Description
1	Chart type temperature recorder
2	Voltage stabilizer

SIN-LAFH-58**Laminar Air Flow (Horizontal)**

Inner chamber – SS, Complete with – HEPA Filter, Pre Filter, Blower, Pressure manometer, Gas – cock, Front and side door are acrylic. Built in UV Tube, FL light.

CODE	Size in inch.	CODE - W/ MS/ 2S/ 3S
A	2 x 2 x 2	
B	3 x 2 x 2	
C	4 x 2 x 2	

**SIN-LAFV-59****Laminar Air Flow (Vertical)**

Inner chamber – SS, Complete with – HEPA Filter, Pre Filter, Blower, Pressure manometer, Gas – cock, Front door is acrylic. Built in UV Tube, FL light.

CODE	Size in inch.	CODE - W/ ME/ MD/ 2S/ 3S
A	2 x 2 x 2	
B	3 x 2 x 2	
C	4 x 2 x 2	

**Optional****CODE** **Description**

- 1 DIGITAL CONTROLLER - UV Timer, blower timer, 9 step speed, UV age, buzzer alarm, UV LIGHT - DOOR Interlock system

SIN-FH-60**Fume Hood**

Inner chamber – SS, Front door moves vertically up-down with concealed counter balanced weights. FL Light, gas cock, wash basin. Front panel is fitted with switches.

CODE	Size in inch.	CODE - W/ MS/ SS
A	2 x 2 x 2	
B	5 x 2 x 2	
C	4 x 2.5 x 2.5	

**Optional****CODE** **Description**

- 1 High CFM Exhaust System
2 SS Lining on Workbench
3 PVC Fume Duct

SIN-BSF-61**Biosafety Cabinet**

Type 2, A2. Air circulation – 70/30 ratio. Air flow velocity – 100fpm. Inner chamber – SS, Complete with – HEPA Filter, Pre Filter, Blower, Pressure manometer, Gas – cock, Front and side door are acrylic. Built in UV Tube, FL light.

CODE	Size in inch.	CODE - W/ MS/ SS
A	2 x 2 x 2	
B	3 x 2 x 2	
C	4 x 2 x 2	

**Optional**

CODE	Description
1	Virus Burn Unit
2	Exhaust ducting
3	Gas burner

SIN-AIC-62**Air Curtain**

CODE	Size in ft.
A	3
B	5

**SIN-ICC-63****Inoculation Chamber**

CODE	Size in cm.
A	100X75X75
B	100X80X80

**SIN-DSB-64****Dispensing And Sampling Booth**

EPA Filter down flow recirculated type, Pressure static manometer, Motor ON-OFF indications, Light & Additional 15/5 Amp socket provided in the booth, SS Double skin wall, filter in aluminium frame structure SS, Acrylic, Mini-HEPA Filter in Return air

CODE	Size in inch.	CODE - W/ MS/ SS
A	3 x 2 x 2	
B	4 x 2 x 2	
C	5 x 2 x 2	



SIN-SLC-65**Slide Cabinet**

75 x25 mm slide tray for holding separately so not to disturb other compartments during taking out or putting sides. Slotted rows are numbered 1 to 50. Made of thick ply board laminated with sun mica. Handle lock and key

CODE	No. of Cabinets
A	1000
B	2000
C	3000

**SIN-MSC-66****Material Storage Cabinet**

Self-standing down flow vertical air to clean lab garments. Supplied with HEPA Filter, Pre filter, Motor blower, static pressure manometer, U.V Light, FL light

CODE	Size in ft.	CODE - W/MS/SS
A	5 x 4 x 2	
B	6 x 4 x 2	

**SIN-PBX-67****Pass Box**

Stainless Steel 304 Grade Double Walled with Interlocking System on both side door. 1no. UV Light 1no. Fluorescent Light provided inside the chamber.

Size in ft.	CODE - Static/Dynamic
2 x 2 x 2	

**SIN-TCR-68****Tissue Culture Rack**

Rack made of 1" square Mild Steel Pipe duly Powder Coated with 4 shelves having 16 no. Fluorescent Light 1 no. Seven Day Timer to operate FL. Lights and also provided switch panel on each shelf.

CODE	No. of Racks	CODE - MS/SS
A	4	
B	5	
C	6	

**SIN-UV-69****UV Cabinet****Description**

Double tube

**SIN-TLC-70****Thin Layer Chromatography Apparatus****Description**

Brass applicator



SIN-HMDH-71**Humidifier & Dehumidifier**

CODE	Description
A	3 LTR, HUMIDIFIER
B	1.5 TON DEHUMIDIFIER
C	2 TON DEHUMIDIFIER
D	1.5 TON DEHUMIDIFIER WITH DIGITAL HUMIDITY CONTROLLER

**SIN-PH-72****PH Meter**

CODE	Description
A	Deluxe pH Meter with Manual Temperature Compensation, Combination pH electrode. 3½ Digit LED display. Useful for pH and Redox potential measurement (Table Model)
B	Deluxe pH Meter with Automatic Temperature Compensation, Combination pH electrode and RTD probe. 3½ Digit LED display. Useful for pH and Redox potential measurement (Table Model)
C	Digital pH, Conductivity and Temperature Meter for measurement of pH, conductivity & Temperature 3½ digit LED display with pH combination electrode, conductivity cell and temperature probe (Table Model)
D	Digital pH Meter (Portable) 3½ digit LCD display with combined pH electrode

**Optional**

CODE	Description
1	Combined ph. electrode
2	Electrode stand
3	Temperature probe

SIN-CLC-73**Colony Counter**

CODE	Description
A	Digital Colony Counter 3 digit LED display range 0-999, with 40 memory hold & count correction facility, data, Restored even after power failure
B	Digital Colony Counter 4 digit LED display Range 0-9999, with 40 memory hold & count correction facility, data, Restored even after power failure

**Optional**

CODE	Description
1	Spare Pen
2	Lens Stand

SIN-KFT-74**Karl Fisher Titrator****Description**

Auto Karl Fisher Titri-meter having array of LED's provided with Inbuilt stirrer, auto zero burette, adjustable timer, Dual platinum Electrode & other accessories.

**Optional**

CODE	Description
1	Dual platinum electrode
2	Burette clear vessel -10 ml
3	Titration vessel
4	Reservoir bottle
5	Moisture Trap

SIN-PTC-75**Photocolorimeter**

400-700 nm, 8 filter, Resolution 0.01 Abs, 0.1%T, Detector Silicon photodiode

CODE	Description
A	Digital
B	Automatic

**Optional**

CODE	Description
1	Standard glass filter
2	Selenium photo cell
3	Test tube set of 5
4	Spare lamp 6V 300 ma

SIN-DCM-76**Deluxe Conductivity Meter****Description**

Digital LED Display, 0-1000ms, Resolution 0.1 μ s,
Accuracy - $\pm 0.5\% \pm 1$ digit, Automatic system,
Manual temperature control, 0-100°C

**SIN-DOM-77****Dissolved Oxygen Meter****Description**

Digital LED Display, 0-20 PPM, Resolution 0.1 PPM,
Accuracy - $\pm 0.2\% \pm 1$ digit, Automatic system,
Manual temperature control, 0-100°C



SIN-TDS-78**TDS Meter****Description**

Digital LED Display, 0-1000 ppt, Resolution 0.1 PPM, Accuracy - $\pm 0.5\% \pm 1$ digit, Automatic system, Manual temperature control, 0-100°C

**SIN-TNM-79****Turbidity/Nephelometer****CODE** **Description**

A Digital LED Display, 0-1000 NTU/JTU, Resolution 1 NTU/JTU, Accuracy - $\pm 1\%$ F.S, 1digit

B Digital LED Display, 0-20,0-200 NTU/JTU, Resolution 0.1 &1 NTU/JTU, Accuracy - $\pm 1\%$ F.S, 1digit

**SIN-SWAK-80****Soil/Water Analysis Kit**

Ph. - 0-14, 0.01 ± 1 - Accuracy, MV - 0-1999, ± 1 - Accuracy, Conductivity - 0-2, 2-20, 0-200 μ s, TDS - 0-20, 0-200 ppm, Temp - 0-200°C with accuracy of 0.1, DO - 0-20 ppm, with accuracy of 0.1, Salinity -0-50 ppt with accuracy of 0.1, Turbidity - 0- 200 NTU

CODE **Description**

A 7 PARAMETER
PH+MV+Conductivity+TDS+Temperature+
DO+Salinity

B 8 PARAMETER
PH+MV+Conductivity+TDS+Temperature+DO+
Salinity+Turbidity

**SIN-SWAK-81****Flame Photometer**

2.5 INCH Digital LED Display, Silicon photo diode detector, Narrow band interface glass filters, Black backalite, axial flow type, LPG & Dry oil free air, 10 minutes warm up time, Auto ignition. In built NA, K Filter. Ca & Li optional item.0-100 ppm in NA &K, 15-100 PPM IN Na, 10-100 PPM In Li. Accuracy - $\pm 2\%$ up-to 40 ppm, $\pm 5\%$ up-above 50 ppm

CODE **Description**

A Digital

B Full Auto

**Optional****CODE** **Description**

1 CA/Li filter





Technical Specification

Material	S/S (316 grade steel)
Volume	10 ml, 25 ml, 50 ml, 100 ml, 150 ml, 200 ml
Working Temperature	200°C
Working Pressure	≤ 3 mpa
Heating & Cooling Rate	≤ 5°C/min
Inner Shell	Teflon or PTFE line



Distillation Unit

SIN-DUFE-AC

Single Glass Distillation with Metal Heater

This model comes with 3.3 low expansion Borosilicate Glass boiler & condenser and 3KW chromium plated immersion heater with auto cut-off system

CODE	Output Capacity (Ltr/hr)	Total Power Consumed(KW)
40	4.0	3.0 x 1 = 3.0

Technical Specification

Product Code	SIN-DUFE-AC40
Dist. Water Output Cap.(Approx.)	4 lt/hr
Electrical Requirements	220-230 volts,50-60Hz, 3.5 kw Single phase supply
Minimum Cooling Water requirement	2 Lit/ Min
Conductivity	3.0-4.0 μ s/cm
Distillate Temp.	25°C-45°C
Distillation Quality	Pyrogen free



SIN-DUSG-NC

Single Glass Distillation

Single Glass Distillation unit comes with powder-coated stand for rust-free operation. **The Unit consists of horizontal Borosilicate Boilers, Condensers and a Quartz Heater. All the parts are replaceable.**

CODE	Output Capacity (Ltr/hr)	Total Power Consumed(KW)
20	2.0	2.2 x 1 = 2.2
40	4.0	2.2 x 2 = 4.4



Technical Specification

Product Code	SIN-DUSG-NC20	SIN-DUSG-NC40
Dist. Water Output Cap.(Approx.)	2.0 lt/hr	4 lt/hr
Electrical Requirements	220-240volts Single phase 1.5 kw Quartz heater	220-230 volts,50-60Hz, 3.5 kw Single phase supply
Minimum Cooling Water requirement	1 Lit / Min	2 Lit/ Min
Conductivity	Pyrogen Free	3.0-4.0 μ s/cm
Conductivity S/cm	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$
Distillate Temp.	25-45°C	25-45°C



Optional

Distillation Apparatus Power Supply (DAPS)-Auto Cut Off :-

There are two type of Auto cut off system in our catalogue

Water sensing Auto Cut-off system:-

Product CODE	Output Cap.(Lt/Hr)	Description – Water sensing
SIN-DUSG- DAP20-W	2.0	Water sensing Auto Cutoff system
SIN-DUSG- DAP40-W	4.0	Water sensing Auto Cutoff system

Heat sensing Auto Cut-off system:-

Product CODE	Output Cap.(Lt/Hr)	Description – Water sensing
SIN-DUSG- DAP20-H	2.0	Heat sensing Auto Cutoff system
SIN-DUSG- DAP40-H	4.0	Heat sensing Auto Cutoff system

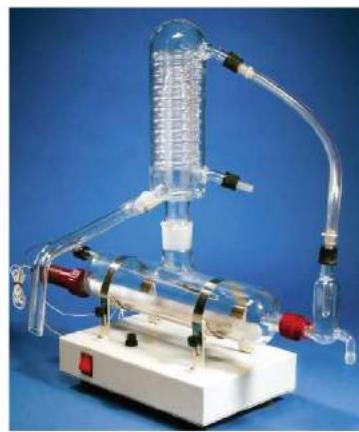
Distillation Apparatus Power Supply (DAPS)-Auto Cut Off :-

Product CODE	Spares for Product CODE	Output Cap.(Lt/Hr)	Description
SIN-DUSG-NC20-BB	SIN-DUSG-NC20	2.0	Borosilicate Boiler
SIN-DUSG-NC20-BC	SIN-DUSG-NC20	2.0	Borosilicate Condenser
SIN-DUSG-NC20-QH	SIN-DUSG-NC20	2.0	Quartz heater
SIN-SILTUB1014	SIN-DUSG-NC20	2.0	10 mm ID x 14 mm OD
SIN-DUSG-NC40-BB	SIN-DUSG-NC40	4.0	Borosilicate Boiler
SIN-DUSG-NC40-BC	SIN-DUSG-NC40	4.0	Borosilicate Condenser
SIN-DUSG-NC40-QH	SIN-DUSG-NC40	4.0	Quartz heater
SIN-SILTUB1014	SIN-DUSG-NC40	4.0	10 mm ID x 14 mm OD

Auto Cut-off system enables the Distillation Unit to function automatically by switching off the heater in case the water level falls below the heating coil, thereby safeguarding the heaters. The sensor rods are adjusted above the heater levels, and operate **on 12 Volt** power supply. Auto cut -off emits a buzzer sound alert to indicate low water level.

This model is equipped with **in-built temperature switch (AUTO CUT-OFF system) to protect 3.3borosilicate glass parts & Quartz heater.**

CODE	Output Capacity (Ltr/hr)	Total Power Consumed(KW)
20	2.00	2.2x1=2.2
40	4.0	2.2x2=4.4



Technical Specification

Product Code	SIN-DUSG-AC20	SIN-DUSG-AC40
Dist. Water Output Cap.(Approx.)	2.0 lt/hr	4 lt/hr
Electrical Requirements	220-240volts Single phase 1.5 kw Quartz heater	220-240 volts, Single phase 3.5 kw, Quartz heater
Minimum Cooling Water requirement	1 Lit / Min	2 Lit/ Min
Biological Activity	Pyrogen Free	Pyrogen Free
Conductivity S/cm	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$
AUTO CUT-OFF	In build	In build

Spares for all single glass distillation with auto cut-off:-

Product CODE	Spares for Product CODE	Output Cap.(Lt/Hr)	Description
SIN-DUSG-AC20-BB	SIN-DUSG-AC20	2.0	Borosilicate Boiler
SIN-DUSG-AC20-BC	SIN-DUSG-AC20	2.0	Borosilicate Condenser
SIN-DUSG-AC20-QH	SIN-DUSG-AC20	2.0	Quartz heater
SIN-DUSG-AC20-ST	SIN-DUSG-AC20	2.0	Metal stand with Auto cut off
SIN-DUSG-AC40-BB	SIN-DUSG-AC40	4.0	Borosilicate Boiler
SIN-DUSG-AC40-BC	SIN-DUSG-AC40	4.0	Borosilicate Condenser
SIN-DUSG-AC40-QH	SIN-DUSG-AC40	4.0	Quartz heater
SIN-DUSG-AC40-ST	SIN-DUSG-AC40	4.0	Metal stand with Auto cut off

SIN-DUDG-NC**Double Glass Distillation without Auto Cut-Off**

Double Glass Distillation unit comes with powder-coated stand for rustfree operation. **The Unit consists of horizontal Borosilicate Boilers, Condensers and a Quartz Heater.**

All the parts are replaceable.

CODE	Output Capacity (Ltr/hr)	Total Power Consumed(KW)
20	2.00	1.5 x 2= 3.0
40	4.0	2.2x2=4.4

**Technical Specification**

Product Code	SIN-DUDG-NC20	SIN-DUDG-NC40
Dist. Water Output Cap.(Approx.)	2.0 lt/hr	4 lt/hr
Electrical Requirements	220-230 volts ,Single phase 2.5x2.2 kw Quartz heater	220-230 volts, Single phase 3.5x 2kw,Quartz heater
Minimum Cooling Water requirement	2.5Lit / Min(EA)	2.5Lit / Min(EA)
Biological Activity	Pyrogen Free	Pyrogen Free
Conductivity S/cm	$<1 \times 10^{-6}$	$<1 \times 10^{-6}$
Distillate Temp.	25-45°C	25-45°C

Optional

There are two type of Auto cut off system in our catalogue

Water sensing Auto Cut-off system:-

Product CODE	Output Cap.(Lt/Hr)	Description – Water sensing
SIN-DUDG-DAP20-W	2.0	Distillation Apparatus Power Supply (DAPS) - AUTO CUT-OFF
SIN-DUDG- DAP40-W	4.0	Distillation Apparatus Power Supply (DAPS) - AUTO CUT-OFF

Heat sensing Auto Cut-off system:-

Product CODE	Output Cap.(Lt/Hr)	Description – Water sensing
SIN-DUSG- DAP20-H	2.0	Distillation Apparatus Power Supply (DAPS) -AUTO CUT-OFF system
SIN-DUSG- DAP40-H	4.0	Distillation Apparatus Power Supply (DAPS) -AUTO CUT-OFF system

Spares for Double Glass Distillation without Auto Cut-Off:-

Product CODE	Spares for Product CODE	Output Cap.(Lt/Hr)	Description
SIN-DUDG-NC20-BB	SIN-DUSG-NC25	2.0	Borosilicate Boiler
SIN-DUDG-NC20-BC	SIN-DUSG-NC25	2.0	Borosilicate Condenser
SIN-DUDG-NC20-QH	SIN-DUSG-NC25	2.0	Quartz heater
SIN-SILTUB1014	SIN-DUSG-NC25	2.0	10 mm ID x 14 mm OD(tube)
SIN-DUDG-NC40-BB	SIN-DUSG-NC40	4.0	Borosilicate Boiler
SIN-DUDG-NC40-BC	SIN-DUSG-NC40	4.0	Borosilicate Condenser
SIN-DUDG-NC40-QH	SIN-DUSG-NC40	4.0	Quartz heater
SIN-SILTUB1014	SIN-DUSG-NC40	4.0	10 mm ID x 14 mm OD(tube)

SIN-DUDG-AC

Double Glass Distillation with Auto Cut-Off

This model is equipped with **in-built temperature switch (AUTO CUT-OFF system) to protect 3.3borosilicate glass parts & Quartz heater.**

CODE	Output Capacity (Ltr/hr)	Total Power Consumed(KW)
20	2.00	2.2 x 1= 2.2
40	4.0	2.2x2=4.4



Technical Specification

Product Code	SIN-DUDG-NC20	SIN-DUDG-NC40
Dist. Water Output Cap.(Approx.)	2.0 lt/hr	4 lt/hr
Electrical Requirements	230-250volts Single phase 1.5 kw Quartz heater for each boiler	230-250 volts Single phase 2 x 1.75 kw Quartz heater for each boiler
Minimum Cooling Water requirement	1 Lit / Min	2 Lit/ Min
Biological Activity	Pyrogen Free	Pyrogen Free
Conductivity S/cm	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$

Optional

Spares for Double Glass Distillation without Auto Cut-Off:-

Product CODE	Spares for Product CODE	Output Cap.(Lt/Hr)	Description
SIN-DUDG-AC20-BB	SIN-DUSG-NC25	2.0	Borosilicate Boiler
SIN-DUDG-AC20-BC	SIN-DUSG-NC25	2.0	Borosilicate Condenser
SIN-DUDG-AC20-QH	SIN-DUSG-NC25	2.0	Quartz heater
SIN-DUDG-AC20-ST	SIN-DUSG-NC25	2.0	Metal stand with Auto cut off
SIN-DUDG-AC40-BB	SIN-DUSG-NC40	4.0	Borosilicate Boiler
SIN-DUDG-AC40-BC	SIN-DUSG-NC40	4.0	Borosilicate Condenser
SIN-DUDG-AC40-QH	SIN-DUSG-NC40	4.0	Quartz heater
SIN-DUDG-AC40-ST	SIN-DUSG-NC40	4.0	Metal stand with Auto cut off

SIN-DUMQ

Mono Quartz Distillation Unit

This Vertical model comes with high purity quartz boiler within built heater, & borosilicate condenser. The model comes with optional auto cut –off system.

CODE	Output Capacity (Ltr/hr)	Total Power Consumed(KW)
25	2.5	$2.2 \times 1 = 2.2$
50	5.0	$2.2 \times 2 = 4.4$
100	10	$2.93 \times 3 = 8.8$



Technical Specification

Product Code	SIN-DUMQ25	SIN-DUMQ50	SIN-DUMQ100
Dist. Water Output Cap.(Approx.)	2.5 lt/ hr	5 lt/hr	10lt/hr
Electrical Requirements	220-240 volts single phase 2.2 kw	220-240 volts single phase 4.4 kw	440 volts 3phase 8.8 kw
Minimum Cooling Water requirement	1 Lit / Min	2 Lit/ Min	2.5 Lit / min
Biological Activity	Pyrogen Free	Pyrogen Free	Pyrogen Free
Conductivity S/cm	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$

Optional

Distillation Apparatus Power Supply (DAPS)-Auto Cut Off

Product CODE	Output Cap.(Lt/Hr)	Description – Water sensing
SIN-DUDAPS25	2.5	Distillation Apparatus Power Supply (DAPS)-Auto Cut Off
SIN-DUDAPS50	5.0	Distillation Apparatus Power Supply (DAPS)-Auto Cut Off
SIN-DUDAPS100	10.0	Distillation Apparatus Power Supply (DAPS)-Auto Cut Off

Heat sensing Auto Cut-off system:-

Product CODE	Output Cap.(Lt/Hr)	Description – Water sensing
SIN-DUSG- DAP20-H	2.0	Distillation Appartus Power Supply (DAPS) -AUTO CUT-OFF system
SIN-DUSG- DAP40-H	4.0	Distillation Appartus Power Supply (DAPS) -AUTO CUT-OFF system

Spares for Mono Quartz Distillation Unit:-

Product CODE	Spares for Product CODE	Output Cap.(Lt/Hr)	Description
SIN-MQQB25	SIN-DUMQ25	2.5	Quartz Boiler
SIN-MQBC25	SIN-DUMQ25	2.5	Borosilicate Condenser
SIN-SILTUB812	SIN-DUMQ25	2.5	10 mm ID x 14 mm OD
SIN-MQQB50	SIN-DUMQ50	5.0	Quartz Boiler
SIN-MQBC50	SIN-DUMQ50	5.0	Borosilicate Condenser
SIN-SILTUB1014	DUMQ 50 & DUMQ100	5.0 & 10.0	10 mm ID x 14 mm OD
SIN-MQQB100	SIN-DUMQ100	10.0	Quartz Boiler
SIN-MQBC100	SIN-DUMQ100	10.0	Borosilicate Condenser

All Quartz Single distillation unit made of quartz boiler , quartz condenser & quartz heater . Auto Cut Off optional.

CODE	Output Capacity (Ltr/hr)	Total Power Consumed(KW)
25	2.5	2.2 x 1= 2.2
50	5.0	2.2x2=4.4
80	8.0	3.0x2=6.0
100	10.0	3.0x3=9.0



Technical Specification

Product Code	SIN-DUMQ25	SIN-DUMQ50	SIN-DUMQ100	SIN-DUMQ100
Dist. Water Output Cap.(Approx.)	2.5 lt/ hr	5 lt/hr	8.0lt/hr	10lt/hr
Electrical Requirements	220-240 volts single phase 2.2 kw	220-240 volts single phase 4.4 kw	220-240 volts Single phase 6.0 kw	220-240 volts single phase 9.0kw
Minimum Cooling Water requirement	0.8 Lit / min	1.1 Lit / min	1.5lit/min	2lit/min
Biological Activity	Pyrogen Free	Pyrogen Free	Pyrogen Free	Pyrogen Free
Conductivity S/cm	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$	$<3 \times 10^{-6}$

Optional

Distillation Apparatus Power Supply (DAPS)-Auto Cut Off

Product CODE	Output Cap.(Lt/Hr)	Description – Water sensing
SIN-DUDAPS25	2.5	Distillation Apparatus Power Supply (DAPS)-Auto Cut Off
SIN-DUDAPS50	5.0	Distillation Apparatus Power Supply (DAPS)-Auto Cut Off
SIN-DUDAPS80	8.0	Distillation Apparatus Power Supply (DAPS)-Auto Cut Off
SIN-DUDAPS100	10.0	Distillation Apparatus Power Supply (DAPS)-Auto Cut Off

Spares for all quartz single distillation Unit :-

Product CODE	Spares for Product CODE	Output Cap.(Lt/Hr)	Description
SIN-MQQB25	SIN-DUAQ25	2.5	Quartz Boiler
SIN-MQBC25	SIN-DUAQ25	2.5	Quartz Condenser
SIN-MQQB50	SIN-DUAQ50	5.0	Quartz Boiler
SIN-MQBC50	SIN-DUAQ50	5.0	Quartz Condenser
SIN-MQQB80 & MQBC80	SIN-DUAQ80	8.0	Quartz Boiler or Condenser
SIN-MQQB10 & MQBC80	SIN-DUAQ100	10.0	Quartz Boiler or Condenser
SIN-SILTUB1014	SIN-DUAQ25 & DUAQ50	2.5,8.0 & 5.0	Silicon tubs

SIN-DUQD

All Quartz Double Distillation Unit

ALL QUARTZ DOUBLE DISTILLATION UNIT is manufactured with imported **fused Quartz tubes** so it's all boiler, condenser & heater are built with quartz.



Product CODE	Output Capacity (Ltr/hr)	Total Power Consumed (KW)
SIN-DUQD15	1.5	1.5 x 2 = 3.0
SIN-DUQD25	2.5	2.2 x 2 = 4.4
SIN-DUQD40	4.0	4.0 x 2 = 8.0
SIN-DUQD50	5.0	4.5 x 4 = 9.0

Technical Specification

Product Code	SIN-DUQD15	SIN-DUQD25	SIN-DUQD40	SIN-DUQD50
Dist. Water Output Cap.(Approx.)	1.5 lt/hr	2.5 lt/hr	4.0 lt/hr	5 lt/hr
Electrical Requirements	230-250 volt double phase 3 kw	230-250 volts Double phase 4.4kw	230-250 volts Double phase 8.0kw	440 volts 3 phase 8.8 kw
Minimum Cooling Water requirement	1 Lit / Min	2 Lit / Min	2.5 lit/Min	2.5 Lit/ Min(EA)

** The results mentioned in specifications are obtained under standard laboratory conditions

NOTE: Because of difficulties associated with measurement of the pH value of high purity water and the doubtful significance of the values obtained, limits for the pH value of grade 1 and grade 2 water have not been specified.



Distillate Quality Specifications

Biological Activity	Pyrogen Free
Conductivity S/cm	<1x10 ⁻⁶
Total Organic Carbon (TOC) µg/l	<500
Organic Matter mg/lit	Nil
Total Solids mg/lit	< 0.1
Distillate Temp.	65-750C
Total plate count	0
Standard Plate Count	0
Yeast and Mould	0
KMnO₄ color retention	1 hr
UV absorbance at 254 nm	0.007

Optional

Distillation Apparatus Power Supply (DAPS)-Auto Cut Off

Product CODE	Output Cap.(Lt/Hr)	Description – Water sensing
SIN-QDDAPS15	1.5	Distillation Apparatus Power Supply (DAPS)
SIN-QDDAPS25	2.5	Distillation Apparatus Power Supply (DAPS)
SIN-QDDAPS40	4.0	Distillation Apparatus Power Supply (DAPS)
SIN-QDDAPS50	5.0	Distillation Apparatus Power Supply (DAPS)



MICROPIPETTE

SIN-MPTRB

Variable Semi Autoclavable

Micropipette	Type	Model	Volume Range
Semi – Autoclavable Variable	Single Channel	ROBUST	0.5-10 µl, 2-20 µl, 5-50µl, 10-100 µl, 20-200 µl, 100-1000µl, 0.5-5 ml , 1.-10 ml,

SIN-MPTXP

Variable Full Autoclavable

Micropipette	Type	Model	Volume Range
Autoclavable Variable	Single Channel	EXPERT	0.5-10 µl, 2-20 µl, 5-50µl, 10-100 µl, 20-200 µl, 100-1000µl, 0.5-5 ml , 1.-10 ml,



SIN-MPTAC

Fixed Semi Autoclavable

Micropipette	Type	Model	Volume Range
Semi – Autoclavable Fixed	Single Channel	ACCURATE	1µl, 2µl, 5µl, 10µl, 20µl, 25µl, 50µl, 100µl, 200µl, 250µl, 500 µl, 1000 µ

SIN-MPTPS

Fixed Full Autoclavable

Micropipette	Type	Model	Volume Range
Autoclavable Fixed	Single Channel	PRECISE	1µl, 2µl, 5µl, 10µl, 20µl, 25µl, 50µl, 100µl, 200µl, 250µl, 500 µl, 1000 µ

SIN-MPTMINI

Mini Fixed Full Autoclavable

Micropipette	Type	Model	Volume Range
Mini - Micropipette -Fixed	Single Channel	Miniature	3µl, 5µl, 10µl, 20µl, 25µl, 50µl, 100µl, 200µl, 250µl, 500 µl, 1000 µ