

CAT. NO.	DESCRIPTION OF ITEM	PRICES (PER UNIT) IN RUPEES
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**STAR-39 PLANT GROWTH CHAMBER**

Double walled construction, inner chamber made of thick stainless steel & outer walls are made of thick best quality mild steel duly powder coated / enamel painted for longer durability, To prevent any heat loss gap between inner and outer walls are filled with 75mm thick glass wool insulation. Provided with double door, Inner Chamber is fitted with full view glass door for inspection of material in side the chamber. The outer door made of Mild Steel properly insulated & powder coated is fitted with best quality handle gasket lock etc. Inner chamber is provided with 3 nos. perforated stainless steel shelves with ribs to adjust the shelves at desirable height. Whole unit is mounted on castor wheels for easy mobility. The outer door is provided with door operated illumination lamp. Temp. range is from 5 deg C to 60 deg C and temp. can be obtained from 15 to 50 deg C +/-1deg C when all lights from two sides and top are switch 'ON'. Temperature is controlled by DUAL electronic digital temp. indicator cum controller to set two temperature one for day and second for night with PT-100 sensor. This controller is provided with time delay relay to control the accuracy in maintaining the temp. Temp. is maintained with an accuracy of +/-0.5 deg C Equipment is fitted with automatic 0-24 hours timer with battery backup Exterior illumination is done with the help of fluorescent tubes 60 cm. Long of 20wt. Each placed vertically in the side wall Cooling is done with ISI mark compressor of EMERSON or any other standard make CFC free, environment friendly which is connected to thick copper coils placed in the rear of the chamber through condenser, fan motor, capacitor, relay etc. Whole cooling unit is placed the main chamber in a GI housing. Heating is done with ISI mark strip type heaters placed near the cooling coils. Air is circulated by 2-nos. ISI mark silicon binded motors, which are connected to balanced blowers, which operates continuously for heating and cooling. Humidity is maintained from ambient to 90% with the help of natural mist evaporator and is controlled by digital humidity controller with an accuracy of + 5% RH. Control panel is fitted with on/off switch, indicators, digital controllers etc.



STAR-39

WIDTH X HEIGHT X DEPTH	SIZE	CAPACITY	PRICE
570 x 875 x 550 mm	10 cu.ft.	280 Ltr.	142000/-
775 x 900 x 775 mm	20 cu.ft.	560 Ltr.	224000/-
825 x 1200 x 825 mm	30 cu.ft.	840 Ltr.	298000/-
900 x 1820 x 800 mm	45 cu.ft.	1282 Ltr.	454500/-

**DEEP FREEZERS**

**STAR-40 DEEP FREEZER -20 DEG C (VERTICAL TYPE)**

Thermostatically controlled, Provided with combination of fixed or pull out drawers, No Dust, low noise level. Puff insulated, CFC free heavy duty compressor, provided with shelves. Fast freeze button and lamp. Mains warning lamp. Temperature -20 deg C. (Approx capacity as given under)

(a) Capacity 308 ltr, solid door	85000/-
(b) Capacity 400 ltr but with glass door	147000/-
(c) Capacity 990 ltr but with glass door	218000/-
(d) Capacity 148 ltr, solid door	47000/-



STAR-40 (a)

**STAR-41 DEEP FREEZER -40 DEG C (VERTICAL/HORIZONTAL TYPE)**

Built in condenser, low energy consumption, Single door, CFC free compressor, Temperature Range up to -40 deg C

Capacity in ltrs:	100	170	270	325
Price:	278000/-	292000/-	298000/-	347000/-

**STAR-42 DEEP FREEZER (GLASS DOOR, VERTICAL TYPE)**

Single glass door. Multi positional shelving system, Unique Top to Bottom view with minimal wastage of storage space, No Dust, low noise level. Puff insulated, CFC free heavy duty compressor.

Gross Capacity(Approx):	110	320	380	990
Temperature Range:	0 deg to 10 deg C			
PRICE:	38000/-	54000/-	115000/-	192000/-



STAR-40 (d)

**STAR-43 HORIZONTAL DEEP FREEZER TEMPERATURE UPTO: -20 DEG C**

Double walled, exterior made of painted PCRC, Puff insulated, top lid, light in weight with best quality

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hinges. Provided with basket etc. solid state thermostatic controlled, temp. upto -20 deg C. Built in condenser, childproof temp. control knob. Lockable lid with castor wheels.

Cap. (Approx.)	100 ltr.	170 ltr	280 ltr	390 ltr.	465 ltr	720 ltr.
Temperature Range	(-20 deg C ~ +8 deg C)					
<b>PRICE:</b>	<b>28500/-</b>	<b>31500/-</b>	<b>38900/-</b>	<b>48500/-</b>	<b>58800/</b>	<b>85800/-</b>

### STAR-44 ULTRA FREEZER -80°C VERTICAL / HORIZONTAL MODEL

Volume Liter:	100 ltr	170 ltr	270	325	380	500
Compartments:	2 Nos.	4 Nos.	4 Nos.	4 Nos.	4 Nos.	5 Nos.
Price of Basic Unit: (w/o cooling)	288000/-	293000/-	295000/-	297000/-	298000/-	298000/-
Cooling Unit:	258000/-	261000/-	272000/-	282000/-	297000/-	323000/-

### STAR-45 ICE FLAKING MACHINE

Stainless steel body and reentering door which assures an easier accessibility to ice, and it is provided with electro mechanical control device. Stainless steel cabinet, properly insulated. Interior & exterior made of S.S., CFC free refrigerant. Ice production is calculated at ambient temperature 10 deg C and water temp. 10 deg C, Automatic control, Air Cooled Model.

<b>Ice output per 24 hours/kg.</b>	<b>50</b>	<b>70</b>	<b>90</b>	<b>150</b>
Storage bin kg	10	15	19	38
Rated Capacity kg	60	70	90	150
<b>PRICE:</b>	<b>188000/-</b>	<b>225000/-</b>	<b>233000/-</b>	<b>282000/-</b>

### STAR-46 LAMINAR AIR FLOW BENCH (HORIZONTAL)

It involves double filtration of air. Atmospheric air is drawn through prefilters and is made to pass through the work table at desired velocity of 1000 cfm +/-20.

Laminar flow is made out of 18mm thick Duro Board / MS / SS Body with exterior covered with thick white mica sheet/ MS/SS & interior covered with epoxy paint. All joints are tongs and grooved type for extra sturdiness. Table top is covered with non antiglare platform of stainless steel sheet. The side panels are fixed and are made of clear 0.25 inches thick glass acrylic sheet. Front side is fitted with acrylic door. Environmental air is drawn by a balanced double blower through prefilters retaining more than 75% of particles and biological contaminants larger than 0.3 microns

PRE filters are fabricated out of washable synthetic non woven media. The material is moisture fungus bacteria and frost resistant and is mounted in metallic frame. The filters are DOP as per BS: 2831 and are 90% efficient to 5 microns.

These are made out of micro frame fiber with corrugated aluminum foil separators and mounted in anodized aluminum frame sealed with epoxy sealant and is provided with rubber gasket for proper sealing. HEPA filters are 99.97% efficient down to 0.3 microns and are protected by expanded metal sheet or plastic sheet. HEPA filters are DOP tested from point to point with IPD less than 18mm WG and FPD less than 40mm WG at rated flow upto 1000 cfm +/-20 and confirming to class 100 of revised US Federal Standard 209B. Blower Assembly consist of suitable American universal motor or equivalent working on 220V 50 Hz with a 15 amp. Power point. Dynamically and statistically balanced blowers with air velocity 0.5 m/s make the unit least vibrant with minimum noise level i.e. less than 65db. Clean air velocity 90 +/-20 FPM at the outlet of HEPA filters. Provided with fluorescent tube lights to provide 800-1000 lux. Static pressure manometer accurately calibrated to assess static pressure in HEPA filters. Provided with gas line fitting to connect the instrument with gas or air. Provided with UV light of 30W 254nm. Control panels are provided with mains indicator lamp fluorescent and UV tube switch.

Working Area	No. of HEPA	Wooden Body SSTop	With MS Body S.S. Top	With SS Body S.S. Top
2x2x2	1	51000/-	68000/-	96000/-
3x2x2	1	63000/-	78000/-	108000/-
4x2x2	2	76000/-	91000/-	126000/-
6x2x2	2	94000/-	122000/-	183000/-
8x2x2	3	124000/-	155000/-	224000/-



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