

ISO 9001-2015, WHO, FDA,
European CE Nortified &
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ALPHA^R
SUDARSHAN

CE
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ASE-118 Lyophilizer (Freezer Dryer) Capacity 5 Kg. Approx ALPHA^R

Freeze Drying is a technique of fundamental importance to the biological sciences in general and micro-biological sciences in particular. In brief, freeze drying is removed of water from a specimen. Heat lable materials including proteins, anti-biotics, vitamin preperations, blood plasma hormones, tissue micro-organisms etc. can now be preserved for years without any significant loss of activity.

"ALPHA" Freeze Dryer (Lyophilizer) Laboratory Model is housed in a super structure stainless steel frame with removable side panels mounted on swivel casters. Complete with copper coil (Bonded outside), perpex see through lid, gasket and control instrument of Temp and Electronic Vaccum Indicator.

The unit made out of hermetically sealed compressor and with 100 litres/min direct motor drive rotary vane type vaccum pump of double stage with Air ballast having ultimate vacuum pump of double stage with Air ballast having ultimate vacuum of 1×10^3 toor on pump head. Temperature range -40°C at ambient temperatrue of 20°C .

Condensor Trap : All non-magnetic stainless steel fabrication, argon welded, dished-bottom for complete effluent removal. Refigeration coils made of copper bonded to outside of condensor heavily insulated Temp is adjustable to -40°C and is maintained automatically.

Vacuum Drum has 12 port manifold (Main drying chamber) made of stainless steel non-magnetic grade with prepex top cover.

CAPACITY : 5 Kg.

OPTIONAL ACCESSORIES

- (a) Secondary Drying Unit
- (b) Pre-Freezer Attachment
- (c) Automatic Voltage Stabilizer 5.0 KVA.

Manufactured By : SUDARSHAN CHEMICALS India 324007 0744-2362345, 09414188018

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With first prize awarded at Haroti Udyog Mela year 2003