

ISO 9001-2015, WHO, FDA,  
European CE Nortified &  
ISO-13485 Certified



**ALPHA<sup>R</sup>**  
SUDARSHAN

**CE**  
European CE  
Nortified



#### **ASE-110a DEEP FREEZER VERTICAL** ALPHA<sup>R</sup>

Deep Freezers made of complete Powder coated,  
Deep Freezer with -10 to -25 degree C upright model Equipped with LCD display and provide real-time and historical graphing of temperature Electronic door with security lock, small castors, external dry alarm contacts, LED lightning antimicrobial exterior paint, and a microprocessor control system with high/low temp, door ajar alarms, and password security with user specific access, door lock which provides additional security for expensive samples and reagents from unauthorized users external coating with anti-bacterial surfaces, to eliminate 99.99% of surface bacteria within 24 hours of exposure and ensure environment friendly. Interior for sample protection. Internal LED lightings save up 70% power with less heat exposure than fluorescent or incandescent lighting: and provide standard wheel/casters as well, for easy location or movement. Include intelligent automatic defrost system offering superior product protection with long-term reliability and exceptional product quality; thermocouple on the evaporator detecting ice formation; defrosting only when needed to keep units at optimum performance, keeping chamber temperature within safe limits; no risks for samples during freezer cold wall defrosted. It has forced air design instead of regular cold wall for both refrigerator and freezer, rapid cool-down and very fast recovery due to fan assistance, fast temperature equilibration, superior sample protection. It provides high-performance protection for precious samples such as molecular biology, chemicals, reagents and kits. Temp. Range -10 °C to -25 °C Temperature Uniformly Range  $\pm 3^{\circ}\text{C}$  Door solid pre-coated steel white color, with ergonomic handle in aluminum. It has alarms open door, high/low temperature, power failure, clogged condenser filter. Controller Standard is 0.1 °C resolution, password protection. It has defrost intelligent automatic system. It is CE Certified. It has door lock key lock. Lighting LED. It has dry contact alarm dry contact to connect to remote alarms. Mounted with standard casters. Shelves or Drawers 4 Nos. Typical Power consumption Power requirements 220-240V, AC, 50Hz single phase. Temperature controls and circuit by Compressor/Condensing Units CFC free & eco friendly refrigerant. The gap between the inner and outer wall is filled with Puff insulation to avoid thermal loss. 4/5 freezer drawers for storage Perforated Sheet with lock on each drawer. Audiovisual alarm for high/low set points, Door lock arrangement. Unit is fitted with Control panel having all control and circuitry are housed at the top fitted with temperature controller cum indicator microprocessor based LED display System built-in multi alarm system with memory function. *Other changes will be done on request or as per user specification..*

**Capacity Approx: 210,340,400,500 Ltr**

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

**CE, ISO 9001:2015, WHO, FDA & ISO-13485 CERTIFIED**  
**With first prize awarded at Haroti Udyog Mela year 2003**