

# CONTACT SHOCK FREEZER



**Digital Temperature Display**  
7.1 Touch Screen Display for viewing the temperature, alarms and previous week records.

**Lifetime Comfortable Access**  
Full length handle for easy access from all heights

**Key locking system**  
High quality locks for locking the door from unauthorized access



**Refrigeration**  
High efficiency cooling fans and Low-noise compressors, Noise level 50dB



**Miniature Circuit Breaker**  
It cuts off the power to the equipment in case of voltage peaks to protect inner circuitry.

**Powder Coated**  
Powder Coating for Scratch and Corrosion Resistance

**Perforated tray**  
3 or more trays are set for easy access to plasma bags.

**Ventilation Slits**  
Proper ventilation for the equipment to keep cool

**pre-filters**  
Easy access to removable and washable air filter enables resulting in better performance

**Lockable Castor wheels**  
Heavy duty lockable Castor wheels for locking the equipment in place

Model Available:- X2 CSF 06, X2 CSF 12, X2 CSF 18, X2 CSF 24

## Technical Features

The equipment offers an **operating temperature range of -75°C to -86°C**, with **ambient temperature tolerance up to +45°C** and an accuracy of **±1°C**. It enables **rapid freezing**, achieving a core plasma bag temperature below **-30°C in less than 45 minutes**, preserving vital plasma coagulation factors. Controlled by a **microprocessor-based 7.1" touch screen**, it features an **electronic circular temperature chart recording system** with a **5-year data storage** capacity and selectable graph range. Design highlights include an **ergonomically designed door handle**, **triple-layered silicon gasket sealing**, and **magnetic latches** for individual inner doors. The **CFC & HCFC-free refrigeration system** utilizes **125-155 mm thick polyurethane insulation** and a **cascade-based hermetically sealed compressor** with **energy-saving, low-noise operation**. **Forced air cooling** and enhanced finned tube condensers ensure optimal performance. A **digital display** shows actual temperature, door status, compressor operation, and alarm conditions, while **optical and acoustical alarms** provide real-time notifications. Data management includes **USB port for downloading thermograph data**, **24-hour battery backup**, and **emailing history sheets** through **Ethernet, Wi-Fi, and cellular network connectivity**. Additional features include **heavy-duty lockable castor wheels**, **child/security lock facility**, **servo voltage stabilizer**, and **dummy bags**. The system operates on **220V to 240V, 50Hz**, single-phase A.C.