Advance Biotech Solutions India Pvt. Ltd.

(Advance Technologies, Effective Solutions)

(An ISO 9001:2015 Certified Company)

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POLE ★ ADVANCE

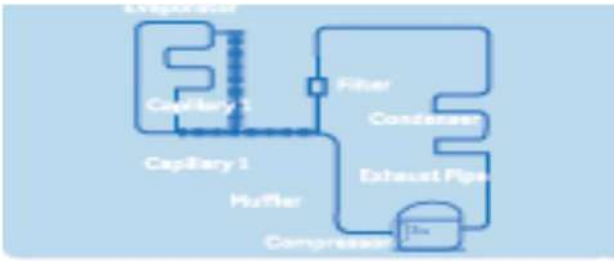
MORTUARY CABINET (0°C TO +8°C)/-20°C

ABSIPL make Pole Star Advance Brand Mortuary chambers are low temperature refrigerated cabinets designed to keep dead bodies cool (generally between 0°C to 8°C/-20°C /-40°C) for short or long time. These units are widely used at hospitals, railways, airports, disaster camps, defense forces etc. Our standard mortuary cabinets are available in configurations of one, two, four and six chambers.

A mortuary cabinet is a specialized piece of equipment used in mortuaries, hospitals, and forensic labs to store deceased bodies. It's designed to preserve the body in a controlled environment until further examination, embalming, or burial.

Ergonomic Design

- Ingenious design of lock, double padlock, providing more safety and reliable
- Door handle, easier to open and close
- Drawer, more convenient to use
- LED digital display for easy observation
- Equipped with lockable casters, easy to move



Dual Capillary Tubes

- Improved temperature uniformity with dual capillary tube design at the range of 0°C to 8°C. / -20°C / -40°C

Key Features:

1. **Temperature Control**: Mortuary cabinets typically have refrigeration units to maintain a cool temperature, which helps slow down the decomposition process.
2. **Size and Capacity**: They come in various sizes, often with multiple compartments to hold several bodies at once.
3. **Accessibility**: Some cabinets have sliding drawers or doors for easy access to the bodies stored inside.
4. **Sanitary Design**: They are made from materials that are easy to clean and sanitize to maintain hygiene and prevent contamination.

Usage:

- **Forensic Analysis**: Used in forensic labs to store bodies while investigations are conducted.
- **Hospitals**: In medical settings, they hold bodies awaiting autopsies or organ donation procedures.
- **Mortuaries**: In funeral homes, they are used to preserve bodies before funerals or cremations.

Construction and Materials:

- **Durability**: Mortuary cabinets are typically made from high-quality, corrosion-resistant materials such as stainless steel or aluminum to withstand constant use and the presence of bodily fluids.
- **Insulation**: They often feature thick insulation to maintain a consistent internal temperature and enhance energy efficiency.
- **Sealing**: Many cabinets have airtight seals to prevent leakage of fluids and control odors.

Advanced Features:

- **Humidity Control**: Some advanced models include humidity control systems to further slow decomposition and maintain optimal storage conditions.
- **Integrated Lighting**: Internal lighting can be included to allow for better visibility and ease of use when accessing the bodies.
- **Digital Controls**: Modern cabinets may have digital temperature and humidity controls for precise management and monitoring.

Operational Considerations:

- **Maintenance**: Regular maintenance and cleaning are essential to ensure the cabinet functions properly and remains sanitary.
- **Safety Protocols**: Cabinets are often designed with safety features to handle bodies in a way that minimizes the risk of exposure to harmful pathogens.

Legal and Ethical Aspects:

- **Regulations**: Different regions have specific regulations and standards for the use and maintenance of mortuary cabinets to ensure public health and safety.
- **Confidentiality**: In settings like forensic labs and hospitals, maintaining confidentiality and respecting the dignity of the deceased is a key consideration.

Usage Contexts:

- **Emergency Situations**: In disaster response scenarios or mass casualty events, portable or temporary mortuary cabinets may be deployed to manage large numbers of deceased individuals.
- **Specialized Applications**: Some cabinets are designed for specific purposes, such as pediatric cases or highly infectious diseases, with additional features tailored to those needs.

- ❖ Energy efficient & environment friendly cooling system
- ❖ 80mm, CFC-free PUF insulation
- ❖ Specially designed to ensure hygiene
- ❖ Easy to clean and maintain
- ❖ Tropicalized for tough weather conditions
- ❖ Micro-processor based controller with digital temperature display
- ❖ Vapour proof lighting
- ❖ Corrosion resistant exterior and interior:
- ❖ Exterior: pre-coated GI sheet
- ❖ Interior construction: SS304; GI PC hot dipped with SS stature movable
- ❖ Individual lock and key for each door
- ❖ Strong casters for ease of mobility lockable caster wheels 4

Model	PSA-02MC	PSA-04MC	PSA-06MC
Inner dimension (inch)	24 X44 X84	2x (24 X44 X84)	3x (24 X44 X84)
Exterior dimension (inch)	31 x64x108	2x (31 x64x108)	3x (31 x64x108)
Temperature Range	0ºC to +8ºC / -20°C /-40°C		
Cooling System	Forced Draft force air circulation		
Door Access	Lock and key		
Defrost	Intelligent Automatic		
Electric Supply	220-240V AC, 50Hz		
Pre Installation Requirement	25 AMP electric power points required near machine.		
Complies with Electrical Safety standards EN-61010-1:2010 & EN61326-1:2006/ IS:1271			
OPTIONAL ACCESSORIES			
Total SS models	With inner chamber & outer body complete made of Stainless Steel		
Battery back up	Battery back-up for display of temperature		
Alarm	For High/Low Temperature, Power failure, Door open, Low battery		
SMS Alert	Alert on Mobile in case of any deviation		

ADVANCE BIOTECH SOLUTIONS INDIA PRIVATE LIMITED

(ADVANCE TECHNOLOGIES, EFFECTIVE SOLUTIONS)

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