



# Advance Biotech Solutions India Pvt. Ltd.

(Advance Technologies, Effective Solutions)



(An ISO 9001:2015 Certified Company)



# POLE ★ ADVANCE

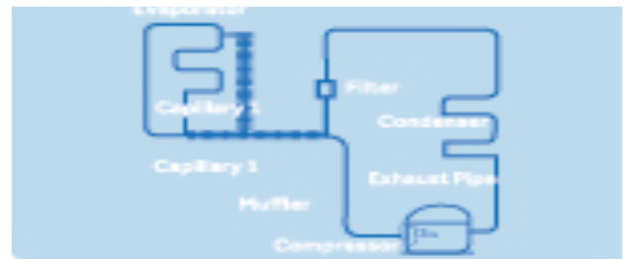
## LABORATORY REFRIGERATOR (2 TO 8°C)

**ABSIPL is a market leader in refrigeration technology. ABSIPL representing market with widest range of Deep Freezer by their OEM manufactured refrigeration system and evaporators. This product is designed to store vaccines, blood plasma, biological materials. Applications could be found in the Pharmaceutical, electronic and chemical laboratories epidemic prevention, hospitals, animal husbandry areas, blood banks and research institutes.**



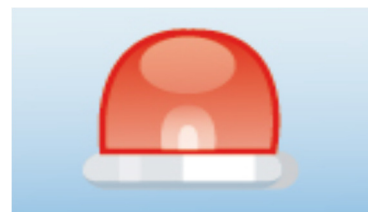
### Ergonomic Design

- 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 2°C to 8°C.



### Safety

- Multiple malfunction alarms include high/ low temperature, Power failure, Sensor error, low battery, high/low ambient temperature.



## **Key Features of Laboratory Refrigerator (2 TO 8°C)**

- ABSIPL Brings the ultra-high-tech Triple walled Microprocessor controlled, solid-state.
- Specially designed for storing the blood bags/bottles of capacity up to 450 ml. in an automatically controlled temperature of 2°C to 8° C for small medium and large blood centers
- Suitable for hospitals, drugstore, pharmaceuticals factories, sanitation and anti-epidemic stations and clinics.

## **Construction & Specifications**

- Robust construction Outer chamber is made Powder coated / Painted Steel.
- Inner chamber made of Cryo Plastic /Pained Steel / Stainless Steel Sheet (304 Grade).
- Fitted with Durable coaxial blower for forced air circulation at triple walled back to maintain temperature uniformity in the chamber.
- Fluorescent Light is fitted inside the chamber for easy visibility.
- Front metal door is fitted with Gasket for air tight closing for no temperature loss, provided with handle, lock and key arrangement.
- Inner chamber has places to adjust the shelve at the desired height. Supplied with Stainless steel (316 GRADE) shelves (adjustable).
- High grade insulation with PUF between outer and inner chamber & in door for minimal thermal losses.
- Direct cooling system for stable temperature control by heavy duty hermetically sealed air cooled refrigeration system units CFC/HCFC free refrigerant.
- Reliable mounting and fixtures to ensure minimize noise and vibration
- PU Caster wheel with lock mounted for free and easy portability. Operating Voltage: 220 Volts AC (50 Hz). Confirming ISO 9001:2015 & CE standards
- If there is a difference of 5 – 8 deg C from any set value, then temperature recovery time up to set value is 20-40 min. Temperature accuracy will be stable in 15-20 minutes after reaching the set value.

# Temperature Controller

- Fully Automatic Microprocessor based control system with Class A PT-100 / PT-1000 Temperature Sensor
- A bright light display for all the parameter in real time.
- Full length illumination with additional on/off switch.
- Audible and visible alarms for temperature deviation (high and Low), open door, power failure, System/mains failure, circuit failure.
- Remote Access Software via Ethernet based communication
- Data logging readings via USB port

## Specification

Model	PSA-250PR	PSA-350PR	PSA-500PR	PSA-750PR	PSA-1000PR
<b>Inner dimension (mm)</b>	480 x 465 x 1030	550 x 465 x 1080	640 x 765 x 1130	850 x 900 x 1300	1175 x 700x 1950
<b>Approx. Volume (Ltr)</b>	250	350	500	750	1000
<b>No. of Shelves (adjustable)</b>	4	5	6	10	12
<b>Temperature Range</b>	+2°C to +8°C				
<b>Accuracy</b>	± 0.5°C Of Feeded Value				
<b>Uniformity</b>	± 1.0°C Of Feeded Value				
<b>Door</b>	2 double gazed glass door				
<b>Lock</b>	Key Lock				
<b>Door Access</b>	Lock and key				
<b>Defrost</b>	Intelligent Automatic				
<b>Relay</b>	Solid state electronic relay with protective heat sink.				
<b>Operations</b>	Nearly silent operation with ultra-low vibration				
<b>Safety Device</b>	Low Temperature cut-off settable thermostats				
<b>Electric Supply</b>	220-240V AC, 50Hz				
<b>Pre Installation Requirement</b>	25 AMP electric power points required near machine.				
<b>Complies with Electrical Safety standards EN-61010-1:2010 &amp; EN61326-1:2006/ IS:1271</b>					
<b>OPTIONAL ACCESSORIES</b>					
<b>Total SS models</b>	With inner chamber & outer body complete made of Stainless Steel				
<b>Battery back up</b>	Battery back-up for display of temperature				
<b>Alarm</b>	For High/Low Temperature, Power failure, Door open, Low battery				
<b>Temperature Recorder</b>	Seven days inkless graphic temperature recorder with range of 0°C to-50°C				
<b>SMS Alert</b>	Alert on Mobile in case of any deviation				
<b>Other Accessories</b>	Castor wheel trolley/rack, Storage Box, Storage Rack etc.				



## **ADVANCE BIOTECH SOLUTIONS INDIA PRIVATE LIMITED**

(ADVANCE TECHNOLOGIES, EFFECTIVE SOLUTIONS)

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