



# Advance Biotech Solutions India Pvt. Ltd.

(Advance Technologies, Effective Solutions)



(An ISO 9001:2015 Certified Company)



# POLE ★ ADVANCE

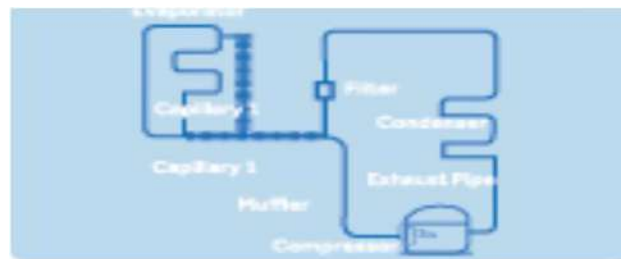
## LABORATORY REFRIGERATOR (2 TO 8°C)

**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 /Painted 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 shelf 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.
- Refrigerator Energy Star rating 3, 4 & 5.

Note: Product appearance and specifications are subject to change without notice

## 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-450PR	PSA-550PR	PSA-650PR	PSA-750PR
Inner dimension (mm)	480 x 465 x 1030	550 x 465 x 1080	640 x 765 x 1130	750 x 770 x 1300	850 x 770 x 1300	850 x 770 x 1450
Approx. Volume (Ltr)	250	350	450	550	650	750
No. of Shelves (adjustable)	3-5	3-5	3-6	4-6	6-8	6-10
Temperature Range	+1°C to +8°C					
Accuracy	± 0.5°C Of Fedded Value					
Uniformity	± 1.0°C Of Fedded Value					
Door	2 double gazed glass door					
Lock	Key Lock					
Door Access	Lock and key					
Defrost	Intelligent Automatic					
Relay	Solid state electronic relay with protective heat sink.					
Operations	Nearly silent operation with ultra-low vibration					
Safety Device	Low Temperature cut-off settable thermostats					
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					
Temperature Recorder	Seven days inkless graphic temperature recorder with range of 0°C to-50°C					
SMS Alert	Alert on Mobile in case of any deviation					
Other Accessories	Castor wheel trolley/rack, Storage Box, Storage Rack, 5A electric Socket etc.					

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Model	PSA-750PR	PSA-1000PR	PSA-1300PR
Inner dimension (mm)	850 x 770x 1450	1175 x 770 x 1950	1215 x 750 x 1950
Approx. Volume (Ltr)	750	1000	1300
No. of Shelves (adjustable)	6-10	6-12	8-14
Temperature Range	+1°C to +8°C		
Accuracy	± 0.5°C of Fedded Value		
Uniformity	± 1.0°C of Fedded Value		
Door	2 double gazed double glass door		
Lock	Key Lock		
Door Access	Lock and key		
Defrost	Intelligent Automatic		
Relay	Solid state electronic relay with protective heat sink.		
Operations	Nearly silent operation with ultra-low vibration		
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Other Accessories	Castor wheel trolley/rack, Storage Box, Storage Rack, 5A electric Socket etc.		



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

(ADVANCE TECHNOLOGIES, EFFECTIVE SOLUTIONS)

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