

PLATELET AGITATOR PA200/PA300/PA400 PLATELET INCUBATOR PI200/PI400

ISO 13485



Optimize blood care with advanced technology

The most advanced platelet storage system



“ Platelets shall be placed in storage not exceeding a period of 5 days, between 20°C to 24°C, with continuous gentle agitation of the platelet concentrates maintained throughout such storage. ”

Drugs & Cosmetics Acts and Rules

“ A visual and audible alarm system indicates a temperature and power failure. The electronic temperature control must maintain an even temperature at 22°C +/- 0.5°C at all shelves. In a closed system the platelets can be stored at 22°C +/- 2°C with continual and gentle agitation for up to 5 days. ”

British Journal of Haematology

“ Platelet concentrates that are stored in a blood bank for up to 5 days at 20°C - 24°C with constant gentle agitation have an almost normal post transfusion recovery and survival. ”

AABB Manual



Started as the first Indian manufacturer of blood bags, Terumo Penpol Private Limited continues to be the market leader in India in the field of equipment and disposables for the Blood Transfusion industry. With a comprehensive range of products covering collection, processing, storage and issue of blood, Terumo Penpol continues to serve the leading blood banks in India and around the world. Terumo Penpol is now a subsidiary of the \$4.5 billion Terumo Corporation, Japan and is a group company of Terumo BCT, USA which leads the Blood Management business of Terumo.

STORAGE EQUIPMENT

Terumo Penpol guarantees quality equipment which provides the uniform temperature requirement for blood components, and enables the contamination-free storage and transportation of blood and blood components from collection to transfusion processes.



Platelets are the most valuable blood products because of their scarcity and limited storage life. We at Terumo Penpol have developed our Platelet Agitator / Incubators with the most advanced security and monitoring features to protect each platelet unit during storage. Our advanced Temperature Maintenance System with the Agitator Mechanism ensures uniform temperature maintenance with smooth agitation.

Terumo Penpol sales and service engineers are located close to you for the entire duration of the life-cycle of the equipment. With over 16640 pieces of equipment installed in India and a customer base of more than 2426 clients, Terumo Penpol's reputation for friendly and round-the-clock service is widely recognized and respected.



FEATURES

Uniform temperature maintenance

The digital temperature recorder controller unit coupled with a unique air flow system maintains the chamber uniformly at the FDA recommended temperature of 22 +/- 2°C

The digital sensor placed inside the solution-filled bottle ensures error-free readings and matches the exact temperature inside the bag

Magnetic gaskets for doors ensure no air is lost in a 'door closed' condition.

The internal fan switches off when the door is opened to avoid the loss of cold air

Pause function

Agitation stops automatically when the door is open and resumes operation on door closing. Pause switch is also provided to arrest agitator motion for 10 seconds

The automatic illumination when the door is opened allows for better visibility during the removal or loading of platelets

Built in voltage stabilizer

The stabilizer protects the incubator from input voltage fluctuations and ensures that the equipment has a long life-cycle

Uninterrupted, smooth and uniform agitation

The imported agitator motor is famous for both its maintenance-free operation and for its integration with the unique mechanism of agitating the platelet bags

The agitation motion monitoring system allows for improved safety

Capacity is never a constraint

Terumo Penpol Platelet Agitator and Incubator is available with 3 different storage capacities - 24, 48 and 100 bags.

SPECIFICATIONS | PLATELET AGITATORS, PLATELET INCUBATORS

Platelet Incubator PI200/PI400	
Power supply	230 +/- 10%VAC, 50Hz, single phase AC
Power consumption	500W(Max)
Type	Table top
Chamber temperature range	22+/-2°C
Stabilizer	1KVA built in stabilizer
Classification	Protection against electrical shock: Class I
Operation	Continuous
Compressor	Hermetically sealed
Outer Cabinet/ Inner chamber PI200	18/20swg GI sheet - powder coated / 24swg Stainless steel sheet
Outer Cabinet/ Inner chamber PI400	18/22swg GI sheet - powder coated / 22swg Stainless steel sheet
Air circulation inside the chamber	Continuously operated forced air circulation using the evaporator fan
Refrigerant	R134a
Condensate evaporator	Built - in for PI200
Internal lamp	CF Lamp 15W
Temperature sensing method	Encapsulated digital sensor dipped in 0.25% glycerin solution
Accuracy of temperature sensor	+/-0.5°C
Display	4 x 7 segment LED
Display resolution	0.5°C
Accuracy of the chart	+/-1°C
Duration of the chart	7 days
Resolution of the recorder	1°C
Method of recording	Ink pen on paper/ pressure pen on pressure sensitive paper
Battery backup time	2 Hrs
Fuse-TRCU	250V, 500mA, 5 x 20mm
Data Logger	Optional

Platelet Agitator PA200/PA300/PA400	
Power supply	230 +/- 10%VAC 50Hz
Power consumption	55W(Max)
Pause	10 +/-1sec
Fuse rating	250V, 500mA, 5 x 20mm cartridge type
Type of agitation	movement -Flat bed agitation.
Frequency of Oscillation	65 +/-7 cycles / minute
Agitating mechanism	230V AC induction motor controlled
Alarm	Audible intermittent beeps for power failure
LED indication	Indication for blown fuse
Interfaces	Agitator motion interface
Displacement	36 +/-3 mm
Classification	Protection against electrical shock: Conforms with Class I
Operation	Continuous
Standards & approvals	CE mark, EUroHS
Manufacturing standards	ISO 9001: 2008 , EN ISO 13485 : 2012

INCUBATOR

GI sheet with powder coating

Toughened glass door for safety and better visibility of platelet bags

Eyelevel positioning of TRCU for better visibility

Inbuilt condensate evaporator for PI200 model

Imported heater

Flicker free CFL

AGITATOR

Agitation at 65 +/- 7 cycles per minute to avoid platelet clumping and to ensure maximum viability

Heavy duty imported motor

SS304 grade sliding stainless steel trays

Fuse blow out alarms

Pause switch to interrupt agitation for 10 seconds during the removal and loading of bags

Data Logger enables to record data which are easily downloadable in computer (optional)

Category	PI200	PI400
Capacity	120 Ltrs	200 Ltrs
External dimension* (W x D x H) mm	965 x 710 x 565	850 x 685 x 875
Internal dimension* (W x D x H) mm	565 x 610 x 465	790 x 625 x 520
Power consumption	500W(Max)	500W (Max)

Category	PA200	PA300	PA400
Capacity	24 bags (4 tray)	48 Bags (8 tray)	100 Bags (10 tray)
External dimension (W x D x H) mm*	440 x 390 x 290	440 X 390 X 395	665 X 390 X 450
Power consumption	55 W (Max)	55 W (Max)	55 W (Max)

REGISTERED OFFICE

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OUR PRODUCT RANGE

BLOOD BAGS

DONOR STATION

BLOOD COLLECTION MONITOR

TUBE SEALER

PORTABLE TUBE SEALER

DUAL HEAD TUBE SEALER

COMPOSCALE + INTELLIGENT EXPRESSOR

CRYO BATH

BLOOD BANK REFRIGERATOR

PLATELET AGITATOR AND INCUBATOR

DEEP FREEZERS

PLASMA BATH

FILTERS*

BLOOD TRANSFUSION SET*

AUTOMATIC COMPONENT EXTRACTOR*

STERILE CONNECTING DEVICE*

APHERESIS SYSTEM AND KITS*

* Additional Products for Indian market only.
Products from Terumo Corporation / Terumo BCT