Accuracy in Balancing and Maximizing (the Yield of) Blood Components
Liquid-stored plasma may contain a small number of red cells. Plasma transfusions have been shown to be capable of causing both primary and secondary responses to red cells alloantigens. 

**Blood Transfusion in Clinical Medicine**

Express approximately 3/4 of the plasma into the satellite bag.

**Transfusion medicine**

As part of Terumo Corporation, a Japanese company having its presence in over 150 countries, Terumo Penpol Ltd. pioneered the manufacture of blood bags in India in 1987. Driven by the company’s mission of ‘Contributing to Society Through Healthcare’, Terumo Penpol uses cutting-edge technology to offer the most advanced range of blood bags, medical equipment and instruments for the collection, processing, storage and issue of blood products. Terumo Penpol is currently India’s largest manufacturer of blood bags and is one of the largest producers of blood bags in Asia.

**PROCESSING EQUIPMENT**

Terumo Penpol’s intelligent technology enables it’s processing equipment to scientifically and efficiently separate, measure and process blood components, allowing for the fastest possible recovery time for patients.

Terumo Penpol sales and service engineers are located close to you for the entire life-cycle of the equipment. With over 10000 pieces of equipment installed in India and a customer base of more than 1500 clients, Terumo Penpol’s reputation for friendly and round-the-clock service is widely recognized and respected.
### Power source
- AC-DC power adapter or power from another Intelligent Expressor

### Input for adapter
- 100 - 240 V AC, 50/60Hz, 0.7 A

### Input
- 12V DC, 1A

### Power consumption
- 12W

### Sensor type
- Infra-red beam interrupt opto-sensor

### Clamping power source
- Spring loaded clamp with geared DC motor

### Clamp closing time
- Less than 1 sec

### Flow rate
- 150-180 ml/ minute

### Controls
- 1. Power
- 2. Clamp up
- 3. Clamp down
- 4. Start

### Indications lamp
- 1. Power
- 2. Clamp down
- 3. Start

### Alarm
- On detection of separation

### Dimensions (WxDxH) mm
- 165 x 230 x 280

### Weight ( approx.)
- 5.5 Kg

### Standards & Approvals
- CE mark, EURoHS

### Manufacturing standard

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### Features

- Designed to meet all the international safety requirements of EN 61010-1.

- The compare mode allows for the balancing of buckets in the centrifuge.

- A zero-set provision accounts for the weight of the bag/bag system.

- Easy conversion from weight to volume and vice-versa with visual indications.

- A built-in interface connected to an electronic Plasma Expressor helps to separate specific volumes of plasma for preparing aliquots for pediatric use.

- Accurate measurement of the volume and gravity of various blood components.

- User-friendly system with LCD messages and LED indications.

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### Features

- Designed to meet all the international safety requirements of EN 61010-1.

- User-friendly system with alarms and indications.

- Leakage-free clamping ensures separations without contamination of red cells.

- Designed with both automatic and manual clamping modes.

- The Composcale interface helps to separate a specific volume of blood components to prepare aliquots and to maintain a favorable hematocrit content.

- Four units can be interconnected through a single unit to avoid multiple power inlets.

- A highly sensitive opto-electronic sensor ensures instant sensing between the transfers of blood components.

- A specially designed bag hook holds the blood bag during the expressing of plasma.
**Due to continuous development specifications are likely to change without prior notice**

**For distribution in India only**

**Registered Office**

Terumo Penpol Private Limited
formerly known as Terumo Penpol Limited
PB.NO. 6105, I - 2, Jawahar Nagar,
Thiruvananthapuram-695003, Kerala, India.
Ph.No : 0471-3015500 / 501.
Fax: 0471-2721519
CIN: U33112KL1985PTC004531
www.terumopenpol.com
www.terumobct.com

**Toll Free No : 1800 3000 7070**

**Central Sales Office**

New No. 71, Gandhi Court,
4th Main Road, Gandhi Nagar,
Adyar, Chennai 600020
Tel: 044-42054538
044-30957200 /01 / 02 / 03 / 04 / 05
tplmarketing@terumopenpol.com
pmt@terumopenpol.com

**Marketing Office**

CHAANDNI, TC.9/1437(3)
Moolayil Lane, Sasthamangalam
Thiruvananthapuram-695 010
Phone: 0471-3015647/649

**Zonal Offices**

**DELHI**
3E/9, Second Floor,
Jhandewalan Etn, Delhi
Tel: 011-46921062

**KOLKATA**
839/1, Lake Town, Block A
Kolkatta -700089
West Bengal
Tel: 033-25344609

**MUMBAI**
Shweta Park Chs Ltd, Flat No. 204
B Wing, Daulat Nagar, S.V Road, Borivali (E)
Mumbai 400 066, Maharashtra
Tel: 022-28938683

**Our Product Range**

- Blood Bags
- Donor Station
- Blood Collection Monitor
- Tube Sealer
- Portable Tube Sealer
- Dual Head Tube Sealer
- Composcale + Intelligient 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

**TERUMO PENPOL®**

**20125**