



ESX-CF3000

Blood Component Separator

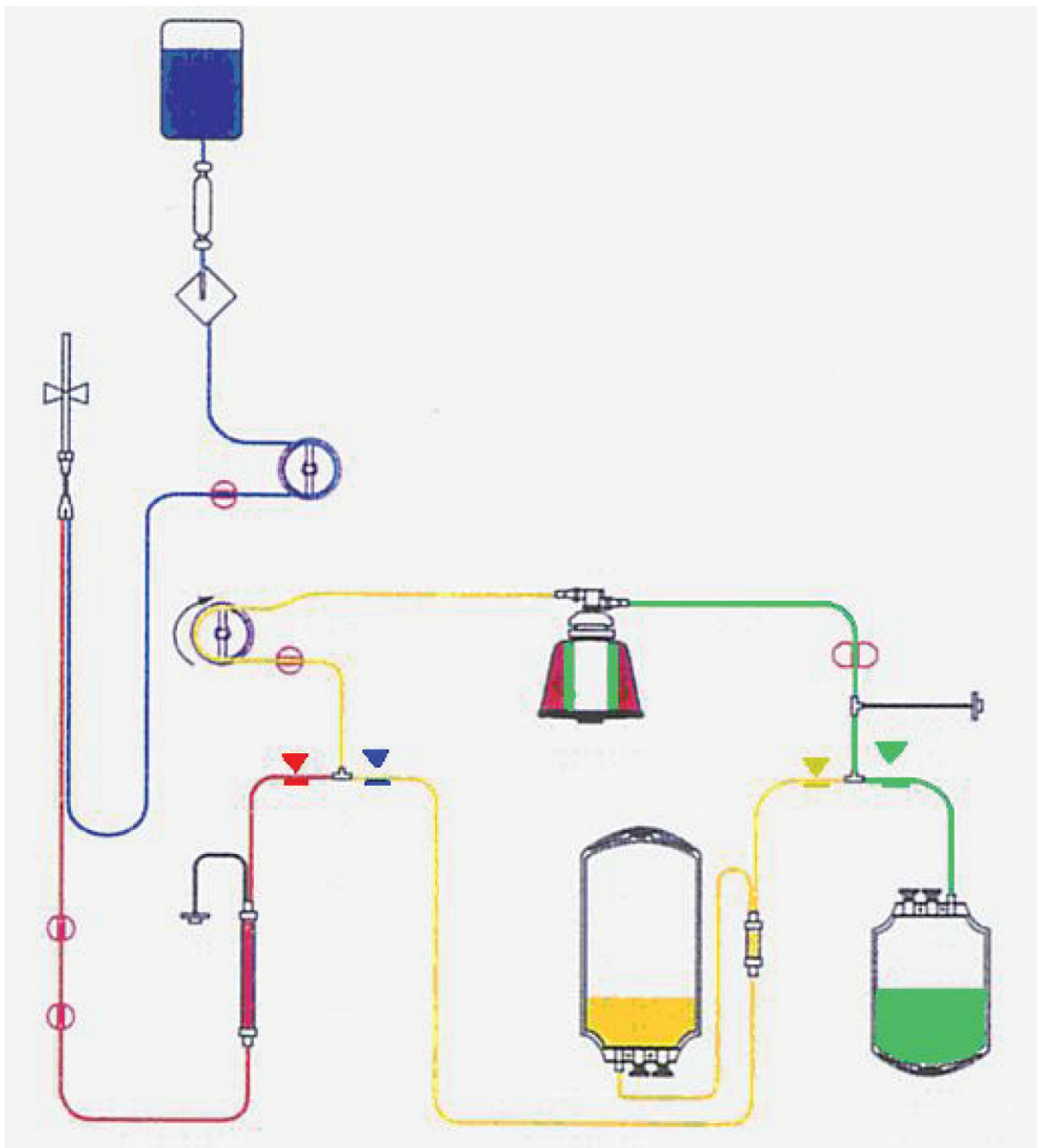


BLOOD BANK

Principle of work

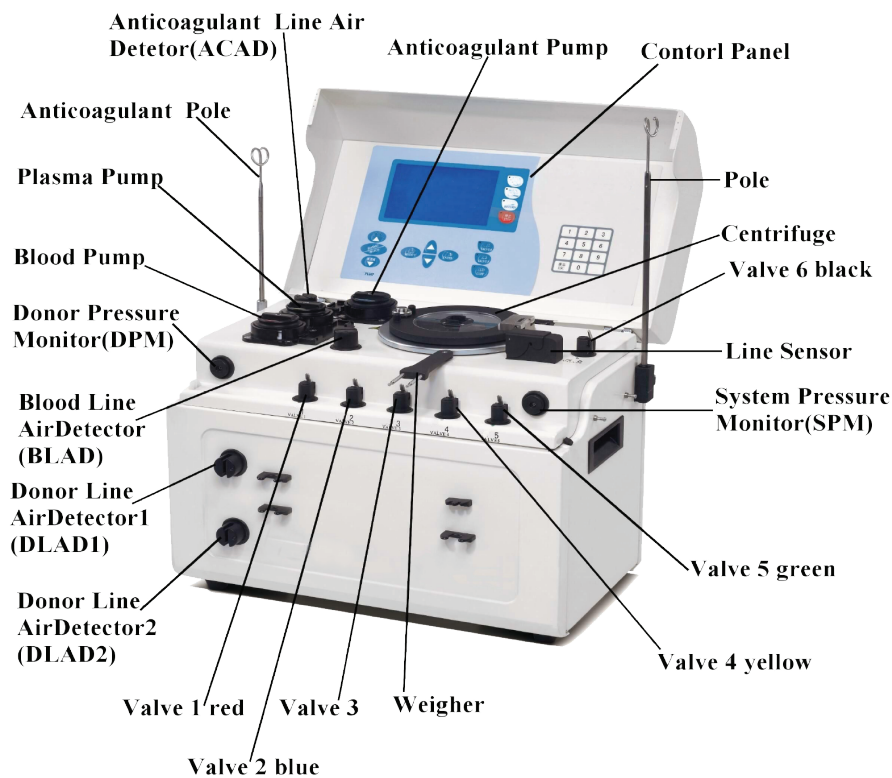
The Blood Component Separator's basic principle of work is: in the closed system, the whole blood from the donor is mixed with anticoagulant in certain proportion by peristaltic pumps, then it gets into plasmapheresis bowl which rotates at high speed in the centrifuge to separate blood components.

Because of density difference, the components of blood will arrange themselves in the bowl from center to periphery. The platelet is between plasma and red cell. This equipment can perform platelet collection through the control of sensors, valves and pumps. And it also can ensure the other blood components not to be damaged and return to the donor safely. This equipment is a medical device which can reach the goal to collect the platelet and/or plasma.



Description

The Blood Component Separator is composed of centrifuge, anticoagulant pump, anticoagulant line air detector (ACAD), anticoagulant pole, plasma pump, blood pump, donor pressure monitor (DPM), blood line air detector (BLAD), donor line air detector 1(DLAD1), donor line air detector2(DLAD2), valve 1 , valve 2 , valve 3, valve 4, valve 5, valve 6, system pressure monitor (SPM), weigher, line sensor, pole, control panel and cuff.

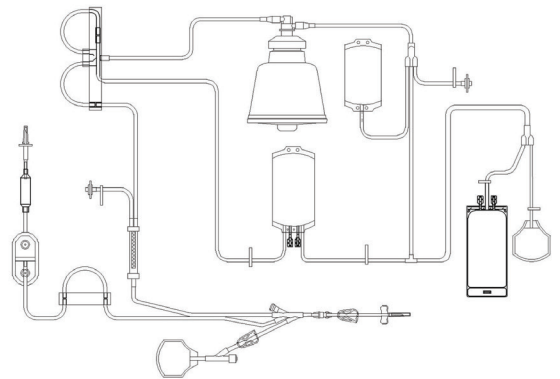
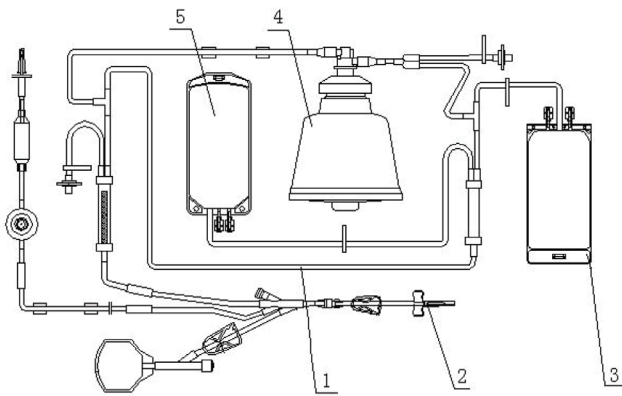


Specification

- Environmental temperature: +10°C~+30°C.
- Mains power quality should be that of a typical commercial or hospital environment.
- Keep away from conducting dust, explosive and corrosive gas.
- Working voltage: ~110V/~230V, 50–60Hz.
- Power input: ≤500VA.
- Draw speed : 20 ml/min~100ml/min.
- Return speed : 20 ml/min~120ml/min.

Optional Accessory

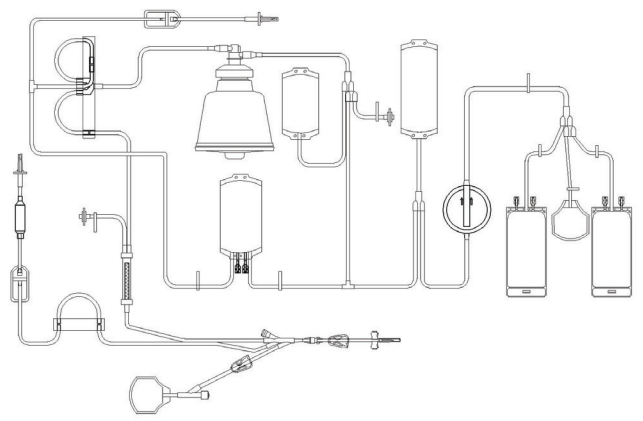
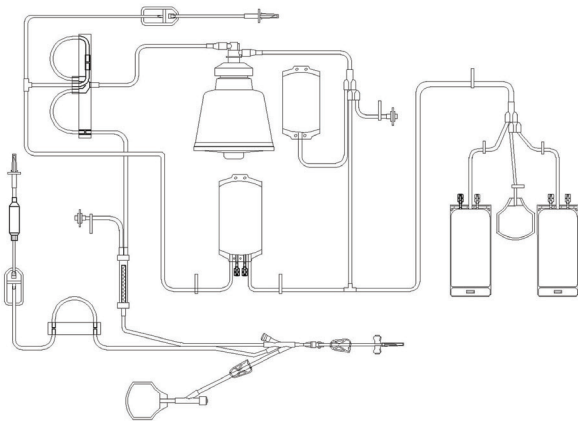
The Disposable Blood Component Apheresis Set



1. Line 2. Needle Set 3. Product Container 4. Centrifugal Bowl 5. Plasma Transfer Bag

P-2000

P-2000 IA



P-2000 IB

P-2000 ID