

OVERVIEW OF CBC II BLOOD COLLECTION AND REINFUSION SYSTEM

The CBCII is a closed blood recovery system used post-operatively to collect, filter and allow for reinfusion of autologous blood and also functions as a wound drainage receptacle.



SAFER AND BETTER THAN USING DONOR BLOOD

- The auto-reinfusion of the patient's own blood is safer than using blood from a donor blood bank (avoids the risks of receiving donor blood contaminated with a virus such as HIV, Hepatitis, Herpes simplex, syphilis, Brucellosis, T-cell Leukemia, Malaria, EpsteinBarr, Parovirus, Typhoid, filariasis, salmonellosis, T lymphocyte virus...).
- It avoids the potential negative reaction from a patient which is sometimes associated with receiving donor blood such as experiencing fever or other side effects.
- The closed system avoids external contamination.
- There are more red blood cells in autologous blood.

MORE EFFICIENT

- Reinfusion of the patient's own blood avoids having to rely on available supply of blood, especially for rare blood types or in remote areas with little access to blood supply.
- Autologous transfusion does not require adding anticoagulant, medication and other components to the blood.
- Internal batteries power a micro motor which generates the suction level with a negative pressure aspirator pump. The blood flows in an air tight environment. The whole unit is entirely disposable after usage. Being an electrically powered negative pressure device which allows constant level and adjustments, it enables a more fully and unobstructed drainage compared to the extrusion type negative pressure drainage devices.

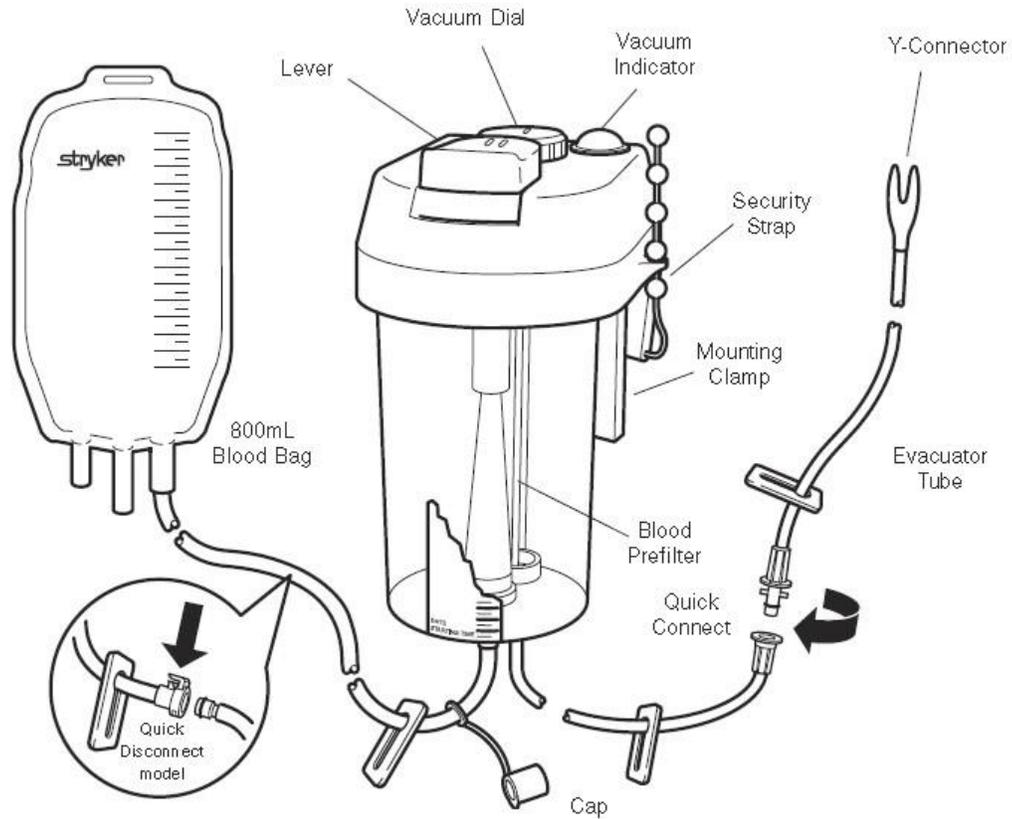
EASY TO USE

- Does not require external power.
- Just turn a dial for creating the vacuum for drainage into a reservoir and then depress a lever to transfer the blood from the reservoir to a blood bag for transfusion.
- Simple negative pressure indicator and explicit label for measuring output.
- Everything is disposed of when finished.

REDUCES OPERATING COST

- Unit can function as a reinfusion device or a wound drainage receptacle.
- Patient needs only one unit which can perform several reinfusions before being discarded.
- No other equipment required.
- No need for medication and supplements for the reinfused blood contributing to faster recovery.
- Avoids costs related to transfer of contaminated blood or blood transfusion errors.

Diagram of CBC II unit and Accessories



SPECIFICATIONS

Size

Height: 9.0 in (229 mm)
 Width: 4.9 in (125 mm)
 Depth: 6.5 in (165 mm)
 Reservoir Capacity: 800cc ± 10cc
 Blood Bag Capacity: 800cc ± 30cc
 Evacuator Tube Length: 6 ft. (183 cm)

Filters

200 micron Prefilter
 .45 micron Air Filter

Approximate Vacuum Levels

LOW 0.5 psi (25 mmHg)
 MEDIUM 1.0 psi (50 mmHg)
 HIGH <1.9 psi (<100 mmHg)

Model 225-28E only



Electrical

Alkaline batteries
 Internally Powered
 3V

Leakage

Current: <=100µA Normal Conditions
 <=300µA Single Fault Conditions

Equipment

Type: Type BF Applied Part



Enclosure

Protection: IPX0 Ordinary Equipment

Duty Cycle

Continuous Operation



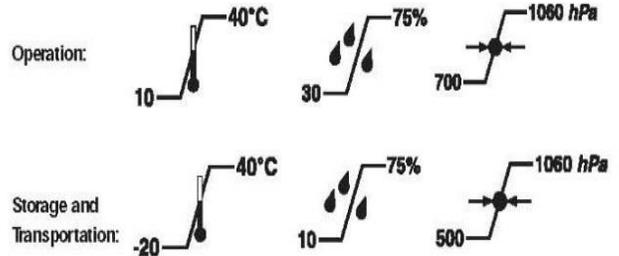
CSA International
 • CAN/CSA-C22.2 No. 601.1-M90
 • UL 60601-1
 • IEC 60601-1

Environmental Conditions

Temperature

Rel. Humidity

Atmos. Pressure



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