

Blood Transfusion Via a Rapid Infusion System



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DOLTRON PIM 717

- Volumetric infusion & transfusion pump, Swiss Made
- Only in use in our hospital
- Small, mounted on an infusion pole, like an ivac



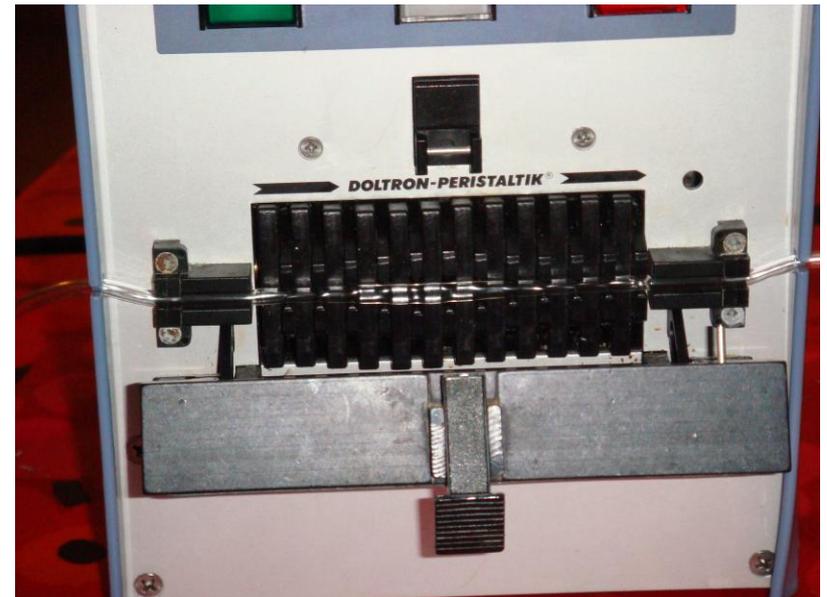
- Rate 99ml/min – 99ml/hr
- 1 unit pc in 4 min
- 1 unit FFP in 2 ½ min



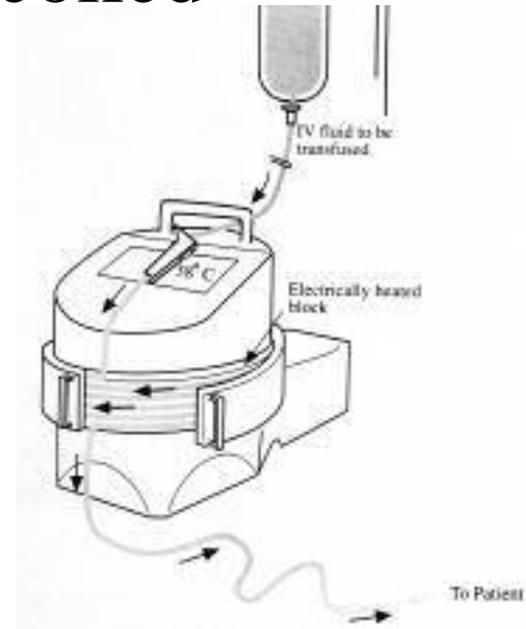
- Can be used with normal set for blood transfusion
- Electricity/battery
- Special model can be used with car battery
- Cost \$3000



- Set threaded in
- Teeth push forward and up and down (pushes in 3 directions)



- Blood can be warmed with spiral device
- Flows through Doltron rapid infusion pump and then through the spiral warming device, around which the tubing is coiled

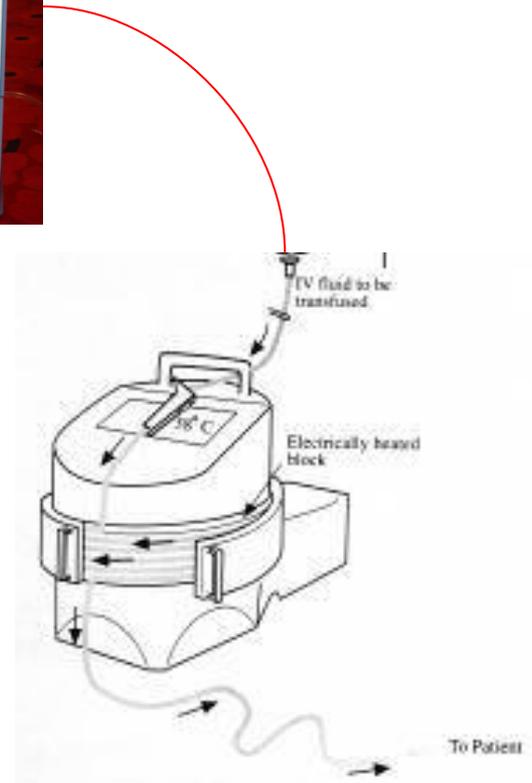


- Other ways to transfuse blood rapidly:
 - Level one – expensive and complicated sets, \$100 per set
 - Heart/lung bypass machine, also complicated to use, patient can suffer serious side effects

- Advantages
 - Economic
 - Easy to use
 - Can be used in every operating room
 - In our hospital –
 - one for pc & one for FFP
- Disadvantage
 - Noisy

Summary

- Doltron Pim 717
 - Small, efficient, economic, easy to use
 - Uses normal blood sets
 - Inexpensive
 - 1 unit pc 4 min, 1 unit FFP 2 ½ min
 - Can be coupled to coil blood warmer



- This presentation is based on experience with the device, we do not represent the manufacturer.