



# HEMOCOR HPH<sup>®</sup> TS HEMOCONCENTRATORS

 **MEDIVATORS**  
A Cantel Medical Company



# Proven Therapeutic Effectiveness

- Polysulfone membrane offers excellent biocompatibility.
- Proprietary fiber manufacturing process ensures consistent performance.
- Meets biocompatibility requirements of ISO 10993-4 selection for tests for interactions with blood.
- Reduces the need for homologous blood and blood products by providing patients with their own concentrated whole blood.
- Maintains the desired hematocrit level for oxygen transport to tissues.
  - Decreases the risk of post-operative bleeding through the retention of platelets and plasma coagulation proteins.
  - Maintains oncotic pressure by retaining plasma proteins while quickly and gently removing excess plasma water.
  - Minimizes the need for diuretic use, which may be contraindicated for some patients.

## Hemoconcentration: The Treatment of Choice

Hemoconcentration has become the preferred method of controlling hemodilution during cardiopulmonary surgery by surgeons and perfusionists throughout the world. This process is also being performed to maintain higher hematocrit levels and to reduce the need for additional blood products during and after bypass.

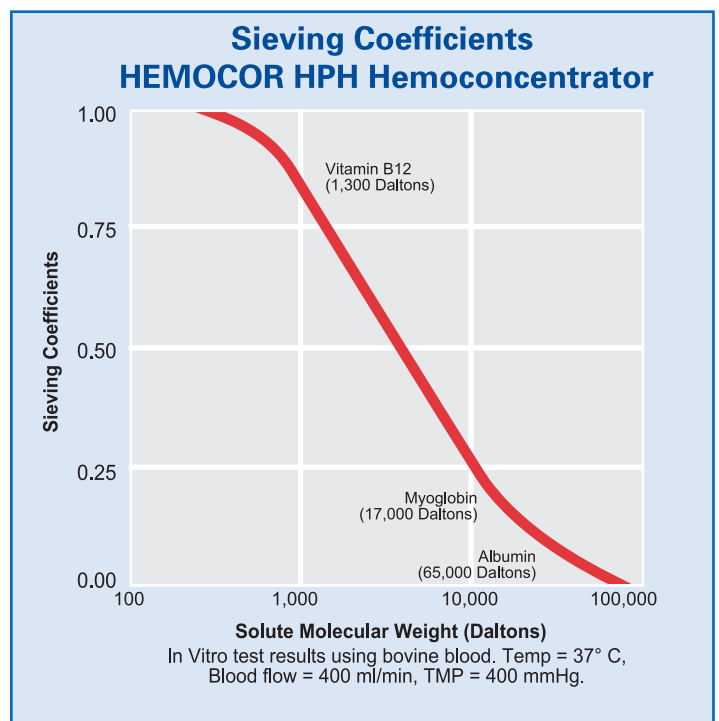
## The HEMOCOR HPH® Hemoconcentrator Family

The HEMOCOR HPH hemoconcentrator family of high performance hemoconcentrators is designed to meet the needs of both adult and pediatric patients. The high performance of the HEMOCOR HPH hemoconcentrator enables the perfusionist to manage the patient's hematocrit and fluid status. The convenience of the "no-rinse" hemoconcentrator allows insertion into the extracorporeal circuit at any time during surgery without the need to rinse the unit.

HEMOCOR HPH hemoconcentrators are designed using glycerine-free polysulfone membranes. Such membranes have exceptional biocompatibility through a broad range of medical device applications. Their superior blood compatibility is well documented with clinical evidence.<sup>1,2</sup> MEDIVATORS expertise and knowledge, accumulated from years of development, manufacturing, and clinical experience, is reflected in the quality and innovation of the HEMOCOR HPH hemoconcentrator family.

## Convenience and Value

- The HEMOCOR HPH hemoconcentrator provides perfusionists with a convenient and lower cost method of processing hemodiluted blood.
- The "no-rinse" hemoconcentrator can be easily inserted into the extracorporeal circuit by the perfusionist at any time during the surgical procedure.
- Shortened circuit assembly time is accomplished with the use of the optional standard tubing sets.

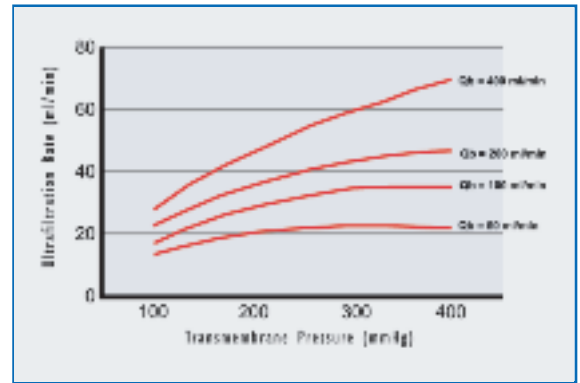


## HEMOCOR HPH® 400 TS HEMOCONCENTRATOR



The HEMOCOR HPH 400 continues to be the standard in low prime hemoconcentrators. It is the preferred choice for pediatric applications or when slow continuous hemoconcentration is performed.

The HEMOCOR HPH 400 TS consists of a HEMOCOR HPH Hemoconcentrator with 18 inch (45 cm) of 1/4 inch (6.35 mm) inside diameter tubing attached. Ratchet clamps are included on each segment of tubing.\*

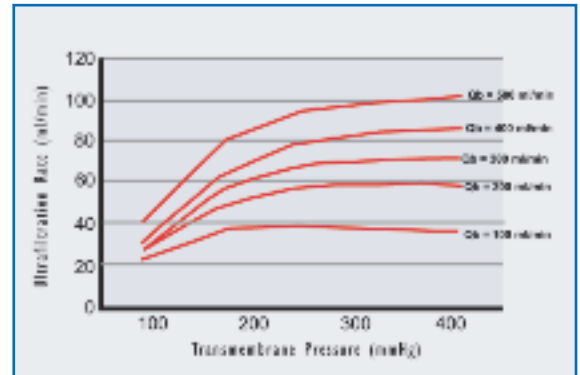


## HEMOCOR HPH 700 TS HEMOCONCENTRATOR



The HEMOCOR HPH 700 provides yet another option in managing the full range of adult patients requiring hemoconcentration. This model provides exceptional ultrafiltration rates with a moderate prime volume.

The HEMOCOR HPH 700 TS consists of a HEMOCOR HPH Hemoconcentrator with 36 inch (90 cm) lengths of 1/4 inch (6.35 mm) inside diameter tubing attached. Ratchet clamps are included on each segment of tubing.\*

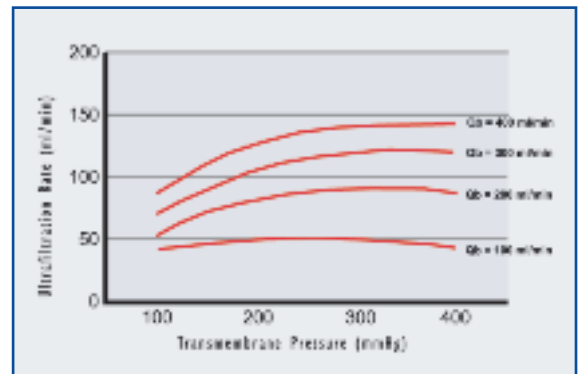


## HEMOCOR HPH 1000 TS HEMOCONCENTRATOR



The HEMOCOR HPH 1000 combines exceptional ultrafiltration rates with a desirable, moderate prime volume. This model is the optimum choice for the majority of hemoconcentrator needs where performance and cost are important.

The HEMOCOR HPH 1000 TS consists of a HEMOCOR HPH Hemoconcentrator with 36 inch (90 cm) lengths of 1/4 inch (6.35 mm) inside diameter tubing attached. Ratchet clamps are included on each segment of tubing.\*

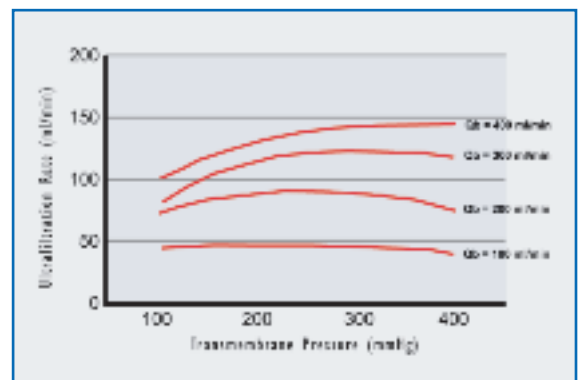


## HEMOCOR HPH 1400 TS HEMOCONCENTRATOR



The HEMOCOR HPH 1400 sets the mark for high performance hemoconcentrators. The high performance of the HPH 1400 may be needed during cases with long cross-clamp times or when large volumes of fluid have been administered.

The HEMOCOR HPH 1400 TS consists of a HEMOCOR HPH Hemoconcentrator with 36 inch (90 cm) lengths of 1/4 inch (6.35 mm) inside diameter tubing attached. Ratchet clamps are included on each segment of tubing.\*



\*Each hemoconcentrator with tubing set, also includes two LA-71 Adapter Kits. Each LA-71 Adapter kit contains a Male Luer Lock x 1/4 inch (6.35 mm) Tubing Adapter in a sterile pouch.

## HEMOCOR HPH® Hemoconcentrator Specifications

Product	HEMOCOR HPH 400	HEMOCOR HPH-700	HEMOCOR HPH-1000	HEMOCOR HPH-1400
Membrane Surface Area (M <sup>2</sup> )	0.3	0.71	1.1	1.3
Membrane Material	Polysulfone	Polysulfone	Polysulfone	Polysulfone
Hemoconcentrator Prime Volume (ml)	34	56	84	100
Molecular Weight cut-off (Daltons)	65,000	65,000	65,000	65,000
Pressure Drop <sup>3</sup> (mmHg)	61	142	85	78
Maximum Transmembrane Pressure (mmHg)	500	500	500	500
Overall Unit Length (cm)	13.8	25.3	25.3	25.3
Internal Unit Diameter (cm)	3.0	3.2	3.2	3.6
Fiber Internal Diameter (microns)	200	200	200	200
Tubing Connections				
Blood [mm (inch)]	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Filtrate [mm (inch)]	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)

## ORDERING INFORMATION

Product	Description	Packaging
HEMOCOR HPH 400 TS	No-rinse 0.3 M <sup>2</sup> Hemoconcentrator with tubing & adapter set	12/Case
HEMOCOR HPH 700 TS	No-rinse 0.71 M <sup>2</sup> Hemoconcentrator with tubing & adapter set	12/Case
HEMOCOR HPH 1000 TS	No-rinse 1.1 M <sup>2</sup> Hemoconcentrator with tubing & adapter set	12/Case
HEMOCOR HPH 1400TS	No-rinse 1.3 M <sup>2</sup> Hemoconcentrator with tubing & adapter set	12/Case
HEMOCOR™ HCH-1 pictured below	Hemoconcentrator Holder	1/Case



## NOTES:

HEMOCOR HPH TS Hemoconcentrators are provided with a sterile and non-pyrogenic fluid pathway in an unopened, undamaged package.

<sup>1</sup> Chenoweth, D.E., Cooper, S.W., Hugh, T.E., et al: Complement Activation during Cardiopulmonary Bypass: Evidence of Generation of C3a and C5a anaphylatoxins. New Engl. J. Med. 304:497-504, 1981.

<sup>2</sup> Kaplan, A.A. Toueg, S., Kennedy, T.L., Complement Kinetics during Continuous Arteriovenous Hemofiltration: Studies with a New Polysulfone Hemofilter. Blood Purification 6:27-36, 1988.

<sup>3</sup> In vitro test results with bovine blood, end-to-end pressure drop, inlet conditions: Hct = 25%, total protein = 5 g/dl, temp = 37°C, Qb = 200 ml/min, TMP = 200 mmHg.

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