

## Rotaflow Centrifugal Pump Maquet

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### Rotaflow Centrifugal Pump Maquet

The Maquet Rotaflow is a special pump to be used for short periods of time to provide support for children with acute heart failure. It has a spinning motor that uses centrifugal force to push blood toward the outlet of the pump. This magnetically-driven pump "slings" the blood out to the rest of the body at a greater velocity than it entered.

### Maquet Rotaflow | Texas Children's Hospital

The Rotaflow RF-32 Centrifugal Pump is the only centrifugal pump without a metal shaft or seal. This pump features a peg-top, one-point sapphire bearing that lowers friction substantially. Its spiral housing ensures an optimized flow ratio with no stagnant zones. The Centrifugal Pump's minimal priming volume of 32 ml considerably reduces ...

### Rotaflow RF-32 Centrifugal Pump - getinge.com

The RotaFlow blood pump (Maquet, Hirrlingen, Germany) is a centrifugal pump with a low priming volume (32 mL), which considerably reduces hemodilution (Fig. 6.14).It can be used to temporarily support the left and/or right ventricles and has also been used for extracorporeal membrane oxygenation (ECMO) when combined with an oxygenator [60].The magnetically suspended impeller (with sapphire ...

### Centrifugal Pump - an overview | ScienceDirect Topics

THE ROTAFLOW CENTRIFUGAL PUMP MAQUET - THE GOLD STANDARD MAQUET Cardiopulmonary - the ROTAFLOW centrifugal pump: MAQUET is a global player for innovative and tech-nological advances in operating theatres and intensive care units. MAQUET offers state-of-the-art quality products and services for the optimal treatment of patients and the best

### CENTRIFUGAL PUMP ROTAFLOW - Cardiomedic

The Rotaflow Centrifugal Pump (®) (MAQUET Cardiopulmonary AG, Hirrlingen, Germany) is one of the centrifugal pumps available for long-term use in Japan. However, there have been few reports of left heart bypass or biventricular circulatory support over the mid-term.

### Rotaflow Centrifugal Pump Maquet | happyhounds.pridesource

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### ROTAFLOW CENTRIFUGAL PUMP - MAQUET

The circuit consisted of a Maquet RotaFlow centrifugal pump or HL20 roller pump, Quadrox-ID Pediatric diffusion membrane oxygenator, 8-Fr arterial cannula, 10-Fr venous cannula, and Better Bladder ...

### (PDF) Mechanical performance comparison between ROTAFLOW ...

The RotaFlow blood pump (Maquet, Hirrlingen, Germany) is a centrifugal pump with a low priming volume (32 mL), which considerably reduces hemodilution (Fig. 6.14). It can be used to temporarily support the left and/or right ventricles and has also been used for extracorporeal membrane oxygenation (ECMO) when combined with an oxygenator [ 60 ].

### Blood Pump - an overview | ScienceDirect Topics

Introduction: Centrifugal blood pumps have been widely adopted in conventional adult cardiopulmonary bypass and circulatory assist procedures. Different brands of centrifugal blood pumps incorporate distinct designs which affect pump performance. In this adult extracorporeal life support (ECLS) model, the performances of two brands of centrifugal blood pump (RotaFlow blood pump and CentriMag ...

### Mechanical performance comparison between RotaFlow and ...

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### Rotaflow Centrifugal Pump Maquet

00:06 Introduction00:20 Ecmo pump layout before priming01:49 Calibrating the CDI02:07 Dropping prime fluid02:56 Clamping prime bridge, after pump, open ...

### Priming an Ecmo Circuit (Maquet Rotaflow) Tutorial - YouTube

Unique Design and Unparalleled Performance Engineered with simplicity and sophistication, the ROTAFLOW Centrifugal Pump is one of the smallest centrifugal pumps around, and at the same time a highly flexible modular component for systems integration.

### Centrifugal Pumps - Rotaflow Centrifugal Pump Manufacturer ...

The MAQUET Centrifugal Pump System offers state-of-the-art centrifugal pump technology for best performance and maximum safety. Designed to give you the freedom to concentrate on patient care and safety the RotaFlow centrifugal pump offers the patient greater benefits of biocompatibility for improved, gentle blood handling in extracorporeal circulation.

### Maquet ROTAFLOW - MEDOL

This adapter is designed to combine and to run a Maquet Rotaflow RF 32 centrifugal pump disposable with a Medtronic Bio-Console centrifugal pump hardware dri...

### Adapter for combining Maquet Rotaflow RF 32 with a ...

Take the centrifugal pump out of the ROTAFLOW Drive. 3. Insert the Centrifugal. Pump into the. ROTAFLOW. Emergency Drive. 4. Unfold the handle of the hand crank. 5. Turn the hand crank clockwise. Ensure that you can see the LED speed indicator at. all times. 6. 9. The LED speed indicator shows the speed. When the speed is sufficiently high ...

### ROTAFLOW CENTRIFUGAL PUMP Instructions for Use Nov 2014 ...

Unique Design and Unparalleled Performance Engineered with simplicity and sophistication, the ROTAFLOW Centrifugal Pump is one of the smallest centrifugal pumps around, and at the same time a highly flexible modular component for systems integration.

### Rotaflow Centrifugal Pump, Doctor Pumps Centrifugal Pumps ...

Aim: The aim of this study was to examine the hydrodynamic performance and gaseous microemboli (GME) activity of two centrifugal pumps for possible use in low-flow extracorporeal CO2 removal. Materials & methods: The performance of a Rotassist 2.8 and a Rotaflow 32 centrifugal pump (Maquet Cardiopulmonary AG, Hirrlingen, Germany) was evaluated in a water-glycerine mixture-filled in vitro ...

### Centrifugal pump performance during low-flow ...

BEQ-RF-32-USA: Maquet RotaFlow Centrifugal Pump w/Bioline Coating, In-Date & Expired » Maquet » Perfusion. Sign in to add this product to your favorites! Price: \$49.00 per box of 1 In Stock: 0 box of 1: ... A Maquet table was used for the first heart transplant surgery in 1967. ...

### Maquet, BEQ-RF-32-USA, Maquet RotaFlow Centrifugal Pump w ...

The RotaFlow system consists of a drive console, pump head, and tubing . The pump head's spiral design provides centrifugal flow using a one-point sapphire bearing that reduces friction. The pump has a compact size and weight and requires low priming volumes. The CentriMag System also uses a drive console, pump head, and tubing.

### Use of RotaFlow (MAQUET) for Temporary Right Ventricular ...

Pump, blood, cardiopulmonary bypass, non-roller type - Product Code KFM Product Maquet/Getinge Rotaflow System Console US (115 V / 60 Hz) - Product Usage: Instructions for Use - Centrifugal Pump System is a device that uses a method other than revolving rollers to pump the blood through an extracorporeal circuit Material Number: 701043292