

MAQUET

PERFUSION SYSTEMS
MECC SMART
SMART SUCTION SYSTEM

CARDIOPULMONARY





THE INGENUOUS ACCOMPLISHMENT OF THE MECC-SYSTEM

THE MECC SMART SUCTION DEVICE

MAQUET – THE GOLD STANDARD



The MECC-SYSTEM is a revolutionary innovation which has set a new standard for suction devices. So what is the MECC philosophy? To improve patient care by eliminating the venous reservoir, reducing priming volume significantly and separating cardiomy suction. MECC SMART is another realization of this concept: it allows returning suction blood into the circuit without facing the common disadvantages of cardiomy suction.

Used in combination with the MECC-SYSTEM, this groundbreaking suction system makes even greater safety and better care for the patients possible by:

- less blood traumatization
- reduced inflammatory response
- minimized need for blood transfusion
- no use of a cell saver.¹

MAQUET – The Gold Standard.

¹ Immer FF et al. Minimal versus conventional cardiopulmonary bypass: assessment of intraoperative myocardial damage in coronary bypass surgery. *European Journal of Cardio-thoracic Surgery* 2005;28:701-704.

LOOK AT SUCTION DEVICES IN A NEW LIGHT EXPERIENCE THE BENEFITS OF MECC SMART

Gentle prevention of intraoperative blood loss: This is the outstanding benefit of this suction device. MECC SMART enables wound blood to be conducted directly back into the MECC-SYSTEM with a minimum of air contact. Besides safety efficiency is also increased by MECC SMART, as the use of a cell saver and the adherent costs are omitted.

And here is how it works: The Cardiosmart² suction device is part of MECC SMART and is controlled via an optical sensor. It takes care of cardiotomy suction during an operation. The integrated optical sensor inside the tip of the sucker head does not respond until it comes into direct contact with blood. Then the suction mechanism is initiated by means of a light conductor and a control unit. The result: the system only sucks blood when it is detected – and the patient's blood is treated with the maximum possible care.



TECHNICAL DATA

Specification Smart Box

Dimensions	165 x 80 x 65 mm
Weight	1.4 kg

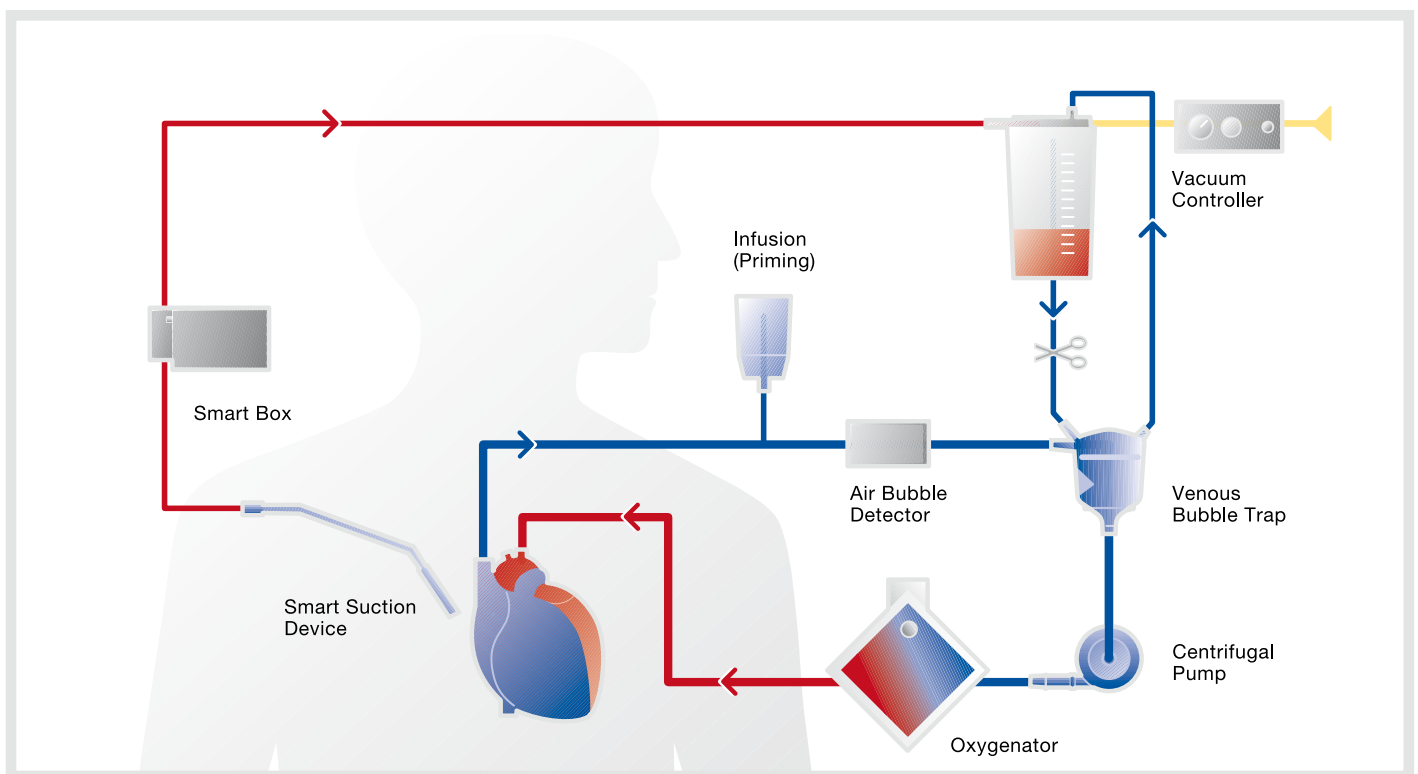
² Cardiosmart AG, Research and Development for Suction Devices, CH-5630 Muri AG, a Fumedica company

THE SMARTEST DESIGN FOR PERFECT PERFUSION, GREATER SAFETY AND BETTER CARE

With its clear setup MECC SMART suits all MECC applications. At the same time the suction device is the perfect completion of the established MECC components such as the venous bubble trap VBT 160, the ROTAFLOW centrifugal pump and the QUADROX^D oxygenation system.

The process consists of the following steps: after the blood has been sucked away with a minimum of air contact, it is forwarded to the reservoir. Now the perfusionist can return it into the system at any time and according to requirements. In doing so the blood passes the venous bubble trap of the MECC-SYSTEM – thus, it is returned in the safest way possible.

Please contact your local trader for order information.



MAQUET

MAQUET Cardiopulmonary AG
Hechinger Str. 38
72145 Hirrlingen, Germany
Phone: +49 (0) 7478 921-0
Fax: +49 (0) 7478 921-100
info@maquet-cp.com
www.maquet.com

For local contact:

Please visit our website
www.maquet.com

GETINGE

GETINGE GROUP is a leading global provider of equipment and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. Equipment, services and technologies are supplied under the brands ARJO for patient hygiene, patient handling and wound care, GETINGE for infection control and prevention within healthcare and life science and MAQUET for Surgical Workplaces, Cardiopulmonary and Critical Care.