Drentech® Surgical

Characteristics

Advantages

The Surgical draining system was developed to allow surgical post-operative blood recovery so that a blood saving policy may be adopted with a simple and safe device.
The system is extremely useful in orthopaedic post-operative drainage and in particular in arthroplasty of the hip and knee and during second operations where blood loss is more abundant. The surgical draining system was developed to allow surgical post-operative blood recovery so that a blood saving policy may be adopted with a simple and safe device.

Drentech Vacuum Unit

Thanks to the independent vacuum unit the system can operate by suction with 4 adjustable negative pressure values in a variable range between 25 and 100 mmHg. The high operating autonomy allows the system to cover the entire post-operative course of the patient. The vacuum unit is supplied complete with battery charger.

Configuration

The surgical drainage system is avaiblable complete with connection tube and Y-connector for attachment to the drainage tubes.

CODE	DESCRIPTION
10150	**Drentech® Surgical** Post-operative drainage with blood recovery
10156	**Drentech® Surgical** Post-operative drainage with blood recovery and 3-ways connector
	PACKAGING: 4 PIECES PER BOX
10151	**Drentech® Vacuum Unit** Vacuum unit for drainage
	PACKAGING: 1 PIECE PER BOX
10524	Y-piece for redon drain
10522	3-ways adapter for redon drain
	PACKAGING: 10 PIECES PER BOX

CE 0123

REDAX®
dall'esperienza, le nuove tecnologie del drenaggio
Via Volta, 51 - 41037 Mirandola (MO) ITALY
tel. +39 0535 611673 fax +39 0535 23224
e-mail: info@redax.it - www.redax.it

DRENTECH® SURGICAL

Drainage system for post-operative blood recovery

REDAX®
dall'esperienza, le nuove tecnologie del drenaggio

An efficient surgical drainage and post-operative blood recovery system in one single device.

It allows immediate autologoust transfusion in the utmost safety.

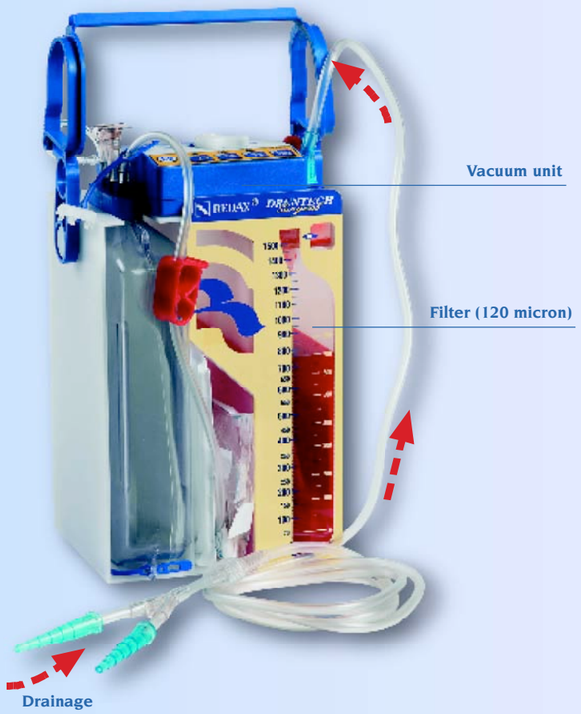
Only system available with built-in double filtration: a 120 micron macro-aggregates filter inside the collection chamber and a second 40 micro macro-aggregates one built ino the blood bag.

The blood quality is guaranteed by double filtration, closed circuit system and protein against lipid transfusion.

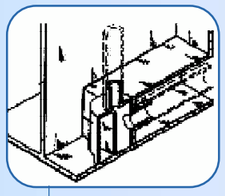
The drainage system is regulated by a vacuum unit able to adjust the suction pressure to the clinical requirements.

Drentech® Surgical

Drentech® Surgical is an innovative closed-circuit system for collection, filtration and autologous reinfusion of blood during post-operative care. Thanks to an indipendent vacuum unit, it is able to function as a post-operative suction drainage system. In this way, fluids coming from the drainage tubes are collected by the system and filtered through the membrane in the collection chamber. The 120-micron filter positioned at the fluid inlet to the collection chamber allows filtering of the fibrin and macro-aggregates transported by the exudates. The collected blood can subsequently be transferred to the bag housed inside the system.



Separation device



The blood is transferred from the collection chamber to the infusion bag without any disconnection so that the utmost safety and sterility of the procedure is guaranteed.
Thanks to the action of the vacuum unit, the blood can be transferred, leaving the bag in its housing, without any alteration of the blood parameters. In order to prevent suction of the lipidic mass of the supernatant during the blood transfer to the bag, a dual-chamber separation device has been designed.

After the blood has been transferred to the patient bag, the bag is extracted from the Surgical system to then proceed with reinfusion.
During all the operations leading up to blood transfer to the bag, the system is always operational without any interruption in the drainage procedure. Integrated double filtration by means of 120 micron micro-aggregates filter inside the chamber and a second 40 micron filter built into the bag assure without fail, removal, of micro-aggregates before patient's reinfusion. No additional filter is required.
For a second patient's reinfusion, thank to fine 40 micron integrated filter, is possible to use a standard I.V. set.