What is the purpose of a temperature management system?

Human-beings need a constant body temperature in ordervto carry out all of their bodily functions properly. When conscious, a healthy human body is able to adjust and and maintain its body temperature even during changing temperature conditions.

Only in some special situations are hypothermic effects used deliberately, e.g. in emergency and intensive medicine, cardiac surgery, or neurosurgery. Normally, however, hypothermia is not desirable, as it affects the body's physiological enzymatic processes. This can lead to a range of complications including increased blood loss due to blood coagulation disorders, cardiac compli-cations, post-operative discomfort, an increased chance of wound infection, and a resulting delay in tissue repair. The above complications can in turn retard the patient's recuperation, meaning more time spent in hospital and thus higher costs.

When minimizinge the above risks and costs as far as possible, a comprehensive temperature management system is not just a benefit but, a necessity. The temperature management system selected has to support the hospital team before and after as well as during surgery.

The *MoeckWarmingSystem*

an efficient temperature management system as a constituent part of quality-based patient care

Thanks to its range of product solutions, the ***Moeck-****WarmingSystem*® is an effective and flexible tool that provides optimal temperature control for adult and juvenile patients. It was developed with the aim of supporting in the best possible way the day-to-day work in medical facilities with an emphasis on quality-based patient care.

The Concept

Based on convective air transfer, the ***Moeck****Warming-System*® comprises a forced air warming device (Twïnwarm) and various types of reusable textile blankets (temperature control from above), textile mats (temperature control from below), and combinations of both (temperature control from above and below). The temperature-controlled air, generated by the air-warming device, is directed to the inside of the textile products via one to two flexible hoses. Due to the careful selection of material for the textile products, the air is distributed evenly around the patient's body contour, providing effective patient temperature control in line with the setting on the air-warming device while at the same time avoiding air build-up.