The original proven air fluidised care system
SANDS is our original, proven air fluidised care system and is progressively updated to meet the latest demands.

**Standard properties**
- High pH-value (9-11) of the glass beads minimizing bacteria growth.
- Microspherial granulates of sodalime glass beads of 70 - 140 μm.
- Dynamic gravity 1.0 - 1.2 kg/dm3 at RH35 - 39%.
- Integrated warming and cooling system.
- Ultra-low interface pressure.
- One-sided, easy to access control unit with a CPR-button.
- Visual and audible alarms with mute function.
- Generously proportioned multifilament mesh 35 micron polyester cover.

**SANDS specifications**
- Temperature range adjustable from 30°-38°C, differential +/- 0,1°C.
- Infinitely variable airflow.
- Detachable control unit for easy servicing and remote use (max. 6 meters).
- Safety side rails to protect the tub.

**Optional features**
- Variable height by an adjustable support frame.
- Built-in decontamination system.

**Optional accessories**
- Traction support pole.
- Traction support package.
- Air permeable adjustable backrest.
- Adjustable footstep.
- Weighing scale.
- Pantoscope mirror system: to enable the immobile patient to communicate.

**Service parts**
- Filtersheet, permeability 35 microns.
- Microspherial granulates in 25 kg packing.
- Air filters.
Standard functionality
• Uniform fluidisation due to high performance diffuser board.
• Accurate temperature control.
• Fluidisation pressure adjustable.
• Control system with touch screen panel for easy and intuitive operation.

Mechanical properties
• Level adjustment system for horizontal floor adaption.
• Detachable control unit for use upto 6m distance.
• Full stainless steel tub for infection control.

Exterior
An appealing timeless colour setting and sturdy system design.

Technical data
• Consumption 1500VA max. operational.
• Consumption 4300VA max. auto decontamination (optional).
• Standard 230V, 50 Hz.
• Optimal conditions for proper functioning: 25-30°C, RH55%.
• Hour counter for clinical and technical registration.
• Noise production during full operation 58 dBA.

Mechanical data
• Full stainless steel patient section for clean environment.
• Bed provided with swivel castors for easy transportation, 2 castors provided with a brake.
• Control unit provided with castors for easy transportation.
• Patient weight limit 130 kg*.

Safety features
• Protected against an over temperature of 40°C and higher: audible and visible alarm, fluidisation will interrupt immediately.
• Protected against overload of aircompressor, condensing unit and heating.
• Audible and visible alarm at > +/-2°C deviation of set temperature. Reset is possible.
• Auto re-start of fluidisation within 30 minutes after power break.
• Strict procedure for decontamination procedure available for authorized staff only.
• Temperature and pressure sensor with incorporated detection to indicate possible defect(s).
• CPR function.
• Pneumatic press-buttons for variable height (optional).

Safety standards
• Designed and approved according to EN60601-1, 3rd edition.
• Certified by Dekra, CE ...tbc.
• Built under ISO13485, certificate no. ...tbc.
• Application of CFC-free coolant R134A.

Dimensions
• Length: 2540 mm.
• Length without control unit: 2400 mm.
• Width: 940 mm.
• Height: 830 - 1050 mm.

Weight range
• Empty: 350 kg.
• Filled with microspheres: 940 kg.

* conditional