

Standard model

SANDS™ Proven Care

We care. We create.

Synergie.



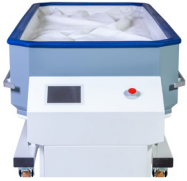


SANDS™ is our time-proven Air-Fluidised Care (AFC) model. For more than 25 years now, this product continues to provide reliable care and comfort to many patients in numerous hospitals and medical facilities around the world.

Features

SANDS™ delivers proven Air-Fluidised Care with pragmatic capabilities. It performs on evidence based and powerful features with enhanced comfort.





Rectangular shape

The rectangular shape provides optimal access for caregivers to treat the patient and will fit in most hospital wards.



Adjustable height (optional)

The frame is adjustable in height, which allows caregivers to choose their preferred working position improving their workplace ergonomics.



High capacity air conditioning

Accurate temperature and RH control of the continuous air flow through the glass beads is guaranteed even at tropical room climates. It has a major impact on clinical progress.



Level adjustment

In case of uneven floors, a simple, however very important feature guarantees an even air flow distribution through the glass beads. It ensures an accurate temperature and air flow throughout the AFC.



Integrated decontamination (optional)

Cleaning and disinfection of the glass beads is possible without the need to remove the beads from the device. It guarantees prevention of cross infection between patients.



Accessories (optional)

A full set of accessories is available to complete the system for a wide variety of uses.



Datasheet



Principle properties

- Silicone coated medical glass beads of 70-140µm, 550 kg
- High pH-value (9-11) of the medical sodalime beads to minimize bacteria growth
- Generously proportioned multifilament or monofilament mesh 35µm polyester cover
- Ultra-low interface pressure for different body types and positions

Process specifications

- Temperature range adjustable from 30°-38°C, differential +/- 1°C
- Variable fluidisation intensity
- Static capacity cooler to adapt to different room climates
- Surface level adjustment system for horizontal floor adaption to ensure even fluidization
- Detachable control unit for use up to 6 meters distance

- One-sided, easy to access control unit with 1 CPR-button
- Visual and audible alarms/alerts with mute function

Optional features

- Height adjustable frame with remote control
- Integrated decontamination system

Optional accessories

- Trapeze with triangular patient support pole
- Traction support set with IV pole
- Corner bumpers
- Extension hose for detached use of the control unit, incl. remote CPR
- Manually adjustable backrest
- Adjustable footrest
- External weighing scale (integrated in patient lift)
- PANTASCOPE™ mirror system to enable the immobile patient to communicate

Consumables

- Filter sheet, permeability 35 microns in different fabrics and dimensions
- Silicone coated medical glass beads in 25 kg packing
- Air filter (F9 class)

Technical data

- Rated voltage therapy: 230V AC, 50Hz
- Rated power consumption therapy: 1800VA
- Maximum current therapy: 7.8A
- Rated voltage decontamination: 230V AC, 50Hz (optional)
- Rated power consumption decontamination: 3000VA
- Maximum current decontamination: 13A
- Optimal climate conditions for proper functioning: 25-30°C, RH55%
- Hour counters for clinical and technical registrations
- Sound level at patient position: 58 dB(A)



Mechanical data

- Full stainless steel patient section for clean environment
- Exchangeable control unit for easy service in case of a technical disturbance
- Bed provided with swivel castors for easy transportation, 2 castors provided with a brake and 2 with straight direction option
- Control unit provided with castors for easy transportation

Dimensions and weights

- Low position: 83,0 cm
- High position: 105 cm
- Overall length: 253,5 cm
- Overall width: 95 cm
- Head elevation range: 10° – 55° (optional)
- Bed frame ground clearance: 17,0 cm
- Castor size: 12,5 cm
- Width of the bead section: 81,5 cm
- Length of the bead section: 214 cm
- Empty weight complete AFCS: 358 kg
- Control unit: 97 kg
- AFCS filled with glass beads: 908 kg

Patient range

- Patient weight: 15 – 135* kg
- Maximum patient height: 205 cm

* conditional to clinical circumstances

Safety features

- Protected against an over temperature of 40°C and higher: audible and visible alarm, deactivation of all functions
- Protected against overload of air compressor, condensing unit and heating
- Audible and visible alarm of >3°C deviation of set temperature
- Auto re-start of therapy after power break
- Strict protocol for decontamination starting procedure (authorized staff only)
- Temperature and pressure sensor with incorporated detection to indicate possible defect(s)
- CPR function

Safety standards

- Approved for IEC60601
- Certified QMS for ISO13485:2016



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