ANESTHESIA WORKSTATION

PASITHEC is an advanced yet easy to use anesthesia workstation that provides accurate, pneumatically driven and electronically controlled ventilation. It has a user-friendly design, incorporates new technology and provides safe and effective treatment options for the clinician. PASITHEC includes adult and child modes that provide patient-appropriate defaults and ranges.

PASITHEC has a wide range of modern ventilation modes providing flexibility in your choice of ventilation strategy. It is suitable for pediatric and adult operation. PASITHEC is filled with many features for outstanding usability including auxiliary power outlets.

ADVANCED AND CLEAR USER INTERFACE

The high-resolution 12.1" TFT LCD with touch screen along with a navigator wheel provides a simple intuitive interface that enhances user control. The ergonomic features assure the clinician can complete the entire operation easily and accurately.

The parameter areas on the main screen are shown in different colors for ease of identification. The waveforms and alarm records are clearly shown for easy review by the clinician of the patient’s treatment information.

POWERFUL MONITORING FUNCTIONS

PASITHEC displays patient data with waveforms and spirometry loops. Loops can be stored as reference to best understand changes in patient response to therapy. Optional gas monitoring which includes EtCO2 and Anesthetic Agents provides clinician with complete information on patient ventilation and agent delivery and uptake.

The flowmeter system provides a minimum 21% concentration of oxygen in the O2/N2O mixture by means of a reliable pneumatic Oxygen Ratio Controller (ORC).

The Digital Flow Meters for O2, AIR and N2O are designed especially for low-flow applications. This system includes electronic fresh gas flow displays along with traditional mechanical flow controllers and flow control knobs for enhanced patient safety over fully electronic blending systems.

• Advanced features for therapy delivery are also easy to use. The single-turn APL valve on PASITHEC includes a quick-release function to quickly lower patient breathing pressure and accurately set pressure limit
• Automatic Compliance compensation along with Fresh Gas Flow compensation help clinician to deliver accurate and precise ventilation therapy
• Full waveform display including integrated Spirometry provides loops when desired for improved clinical data analysis
• System provides a minimum of 21% O2 concentration at all times utilizing a pneumatic Oxygen Ratio Controller. This enhances patient safety over systems that utilize electronic or software controlled ORC functions
• Impressive array of standard features improves the system usability: auxiliary oxygen flow meter, auxiliary AC power outlets
• Breathing system is warmed to reduce condensation
• Absorber is compatible with Standard Prepaks or loose-fill CO2 Absorbent
• „GCX-type“ rails support easy mounting of other devices to the workstation
• Traditional Gas Supply Pressure Gauges allow for easy status monitoring of hospital wall gas supplies and gas cylinders/tanks
• 2 drawers for storage
• Standard Selectatec™-compatible mounts hold two vaporizers.
**SPECIFICATIONS**

### Operating Conditions
- **Operating temperature**: 10°C - 40°C
- **Operating humidity**: ≤80%
- **Operating altitude**: 70kPa - 106kPa
- **Storage temperature**: -20°C - +55°C
- **Storage humidity**: ≤93%
- **Storage altitude**: 70kPa - 106kPa
- **Power supply**: AC100 - 240V, 50Hz/60Hz
- **Battery, usage time**: DC24V, 2.3AH, 12V lead-acid battery, 120min

### Physical Specifications
- **Machine frame**: HxWxD (mm) 1403 x 704 x 750
- **Machine weight**: 105kg
- **Top shelf weight limit**: 25kg
- **Drawer amount**: 2
- **Wheel diameter**: 125mm

### Fresh Gas Delivery
- **Gas type**: 3
- **Flowmeter**: E-/flowmeter
- **O2**: 0.05 - 10L/min
- **N2O**: 0.05 - 10L/min
- **AIR**: 0.05 - 12L/min
- **O2 / N2O ratio control**: ORC
- **N2O cut valve**: Integrated
- **Cylinder**: 2
- **O2 flush**: 25 - 75L/min

### Ventilator
- **Driving method**: Gas driven electrical controlled
- **Tidal volume range**: 20 - 1500 ml
- **Incremental settings**: 20 - 1000ml (increments of 5ml), 1000 - 15000ml (increments of 10ml)
- **Target pressure range**: 5 - 70cmH2O
- **Support pressure range**: 3 - 50cmH2O
- **Breathing frequency**: 4 - 100bpm, 2 - 60bpm (PS)
- **I:E**: 4:1 - 1:8
- **Inspiratory time**: 0.2 - 5.0s
- **Inspiratory pause**: OFF, 5% - 60%
- **PEEP**: OFF, 3-30 cmH2O
- **Flow trigger**: 1 - 15L/min
- **Pressure range at inlet**: 280 - 600kPa
- **Minute Volume (MV)**: Maximum 20L/min
- **Peak gas flow**: Maximum 75L/min

### Ventilation Modes
- IPPV (VCV)
- PCV
- SIMV-PC
- SIMV-VC
- PS
- PCV-VC
- Manual

### Breathing System
- **Compact breathing system**
- **Entirely high temperature and high pressure sterilization**
- **Breathing system compliance**: 3.0ml/cmH2O
- **Manual bag**: 3L
- **Integrated heating module**
- **Fresh gas compensation**
- **APL valve**: 0-70cmH2O
- **Tactile knob indication**: 0, 30, 50, 70cmH2O
- **Quick exhausting function of APL valve**
- **Absorber canister**: 3L
- **Bag arm connector**
- **Auto-manual switch**
- **O2 sensor**: Chemical O2 sensor

### Vaporizer
- **Vaporizer manifold place**: 2
- **Connector**: Selectatec®

### Monitor System
- **Screen**: 12.1" color touch screen
- **Built-in monitoring screen**

### Monitor Parameter
- **Tidal Volume**: 0 - 3000ml
- **Frequency**: 0 - 110bpm
- **Mean pressure**: -20 - 99 cmH2O
- **Peak pressure**: -20 - 99 cmH2O
- **Plat pressure**: -20 - 99 cmH2O
- **PEEP**: -20 - 99 cmH2O
- **FiO2**: 18 - 100%
- **CO2 waveform**: Optional
- **Paw-t waveform, Flow-t waveform**
- **Compliance**: 0 - 100ml/cmH2O
- **etCO2**: Optional
- **Anesthetic Agent monitor**: Optional

### Patient Spirometry
- **Respiratory loop**: P-V, F-V

### Others
- **Absorber device volume**: 3L, double layer
- **Auxiliary O2 supply**: Flow tube
- **Auxiliary AC power outlet**: 1.5A (each)x4=6A
- **Auxiliary driving gas**
- **Suction**: Optional
- **Communication port**: RS-232C compatible serial interface

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Subject to changes without prior notice!