



PASTHEC^{II}

ANESTHESIA WORKSTATION

HEYER 
MEDICAL AG





ANESTHESIA WORKSTATION

PASITHEC II 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 II includes adult and child modes that provide patient-appropriate defaults and ranges.

PASITHEC II 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 II 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 II 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 II 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 - 100mL (increments of 5mL) 100 - 1000mL (increments of 10mL) 1000 - 1500mL (increments of 50mL)
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 - VG
- 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

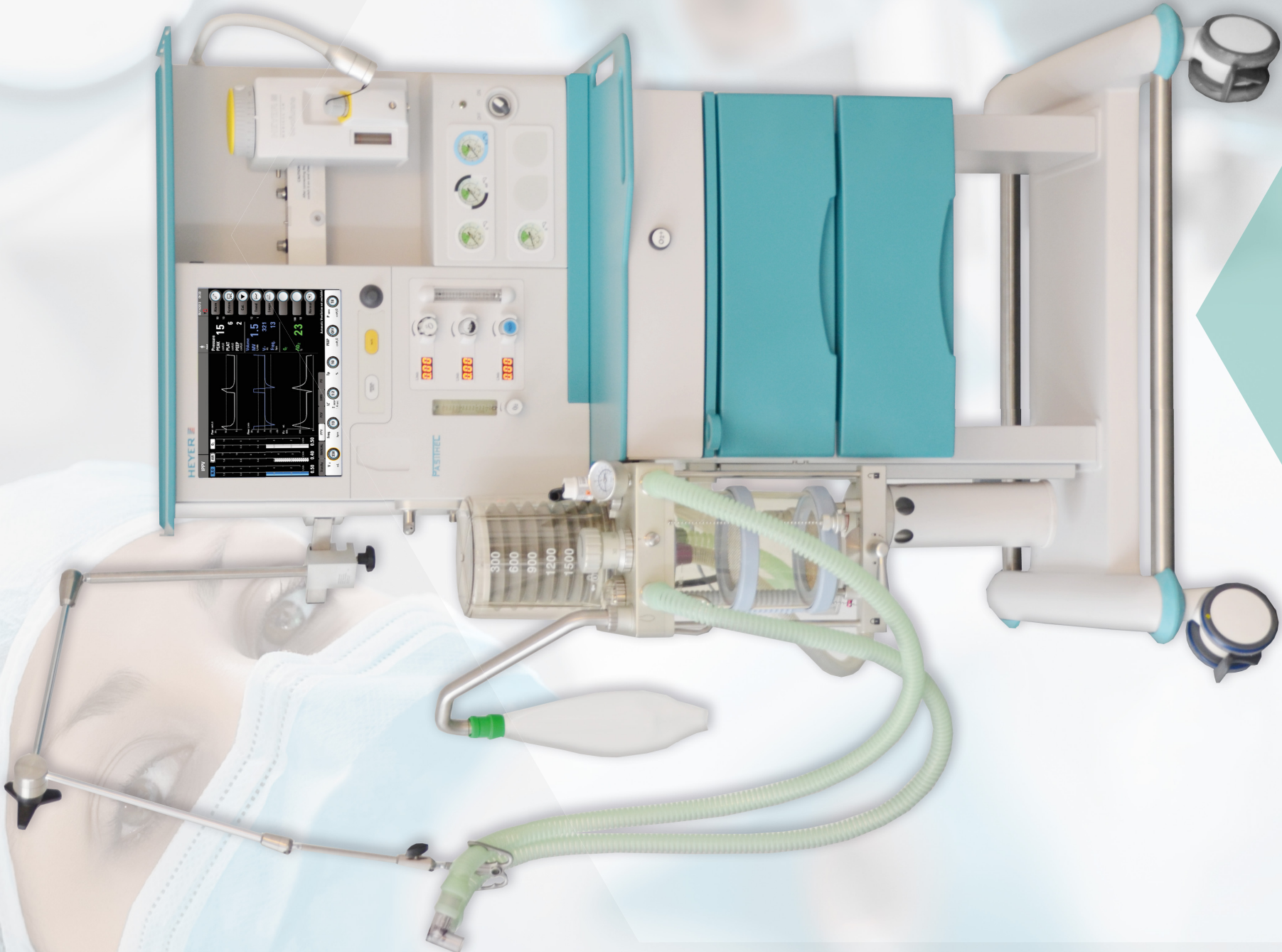
Tidal Volume	0 - 3000ml
Frequency	0 - 110bpm
Mean pressure	-20 - 99 cmH2O
Peak pressure	-20 - 99 cmH2O
Plat pressure	-20 - 99 cmH2O
PEEP	-20 - 99 cmH2O
FiO2	18 - 100%
CO2 waveform	Optional
Paw-t waveform, Flow-t waveform	
Compliance	0 - 100ml/cmH2O
etCO2	Optional
Anesthetic Agent monitor	Optional

Patient Spirometry

Respiratory loop	P-V, F-V
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Others

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





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