**General Specifications**

- **Dimensions (H x W x D)**: 1400 x 950 x 750 mm
- **Weight (basic unit)**: 148kg
- **Storage temperature**: -20°C – +55°C
- **Storage rel. humidity**: ≤ 93%
- **Operating temperature**: +5°C – +40°C
- **Operating rel. humidity**: ≤ 80%

**Electrical Connection Data**

- **Power supply**: 100 – 240 VAC, 50/60 Hz
- **Maximum input current**: 8 A
- **Battery supply**: > 90min
- **Auxiliary sockets**: 4, 1.5 A each
- **Data interface**: RS232

**Pneumatic Connection Data**

- **Central gas supply**: N2, DISS
- **Oxygen (O2)**: 280 – 600 kPa
- **Compressed air (AIR)**: 280 – 600 kPa
- **Nitrous oxide (N2O)**: 280 – 600 kPa
- **Cylinders (optional)**: O2, N2O - 2x or 4x PIN index

**Fresh Gas Dosing**

- **Fresh gas dosing**: 6 fold flowmeter block
  - O2: 0.05 – 1.0 L/min, 1 – 10 L/min
  - Air: 0.05 – 1.0 L/min, 1 – 15 L/min
  - N2O: 0.05 – 1.0 L/min, 1 – 12 L/min
- **Ratio system**: Integrated (max. 25 Vol. % O2 in fresh gas)

**Breathing Circuit**

- **Sterilization**: Aluminum assembly: autoclavable up to 134°C
  - Other parts: immersion in chemical disinfectants
- **System compliance**: Automatically compensated
- **Capacity CO2 absorber**: 1850 ml
- **Internal volume circuit**: approx. 3.5 L
- **Connector**: Common gas outlet ISO5356
- **Heating**: 33 – 40°C

**Ventilation and Monitoring Parameters**

- **Ventilation modes**: IPPV, PCV, PS, SIMV, manual
- **Total volume Vt**: 20 – 1500 ml
- **Ventilation frequency**: 2 – 100 bpm
- **I:E ratio normal**: 1:1, 1.15:1, 1.2:1, 1.5:1
- **I:E ratio inverse**: 4:1, 3.5:1, 3.1:1, 2.5:1, 2.1:1
- **Adjustable respiratory parameters**: IPPV: Vt, Freq., I:E, Tp, PEEP
  - PCV: Pmax, Freq., I:E, PEEP
  - PS: Freq., PEEP, AP Trog, Tp
  - SIMV: Vt, Freq., Tp, Ins, PEEP, AP Trog, Tp

**High pressure (PCV)**

- **PEEP**: 3 – 30 cmH2O
- **Maximum pressure control**: 85±2 cmH2O

**Compliance test**: Automatic

**Leak test**: Automatic / manual

**Oxygen monitor**: Chemical fuel cell, main stream

- **Lifetime**: 12 months
- **Fi O2**: 18 – 99%

**CO2 monitor (optional)**

- **Et CO2**: 0 – 10% (optional)

**Pressure monitor**: Ppeak, Pmean, Pplateau, PEEP

**Flow monitor**: Vt, MV, Freq.

**Waves**: Pmax, Pmin, Pmean, PEEP

**Loops**: Pressure – Volume, Flow – Volume

**Display**: 10.4” TFT color monitor

**Gas Monitoring (optional)**

<table>
<thead>
<tr>
<th>Gas</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO2</td>
<td>0 – 20%</td>
<td>±0.2vol% + 2% of reading (0% – 20%)</td>
</tr>
<tr>
<td>N2O</td>
<td>0 – 100%</td>
<td>±0.2vol% + 2% of reading (0% – 100%)</td>
</tr>
<tr>
<td>Halothane</td>
<td>0 – 12%</td>
<td>±0.15vol% + 5% of reading (0% – 12%)</td>
</tr>
<tr>
<td>Isoflurane</td>
<td>0 – 12%</td>
<td>±0.15vol% + 5% of reading (0% – 12%)</td>
</tr>
<tr>
<td>Enflurane</td>
<td>0 – 12%</td>
<td>±0.15vol% + 5% of reading (0% – 12%)</td>
</tr>
<tr>
<td>Sevoflurane</td>
<td>0 – 15%</td>
<td>±0.15vol% + 5% of reading (0% – 15%)</td>
</tr>
<tr>
<td>Desflurane</td>
<td>0 – 25%</td>
<td>±0.15vol% + 5% of reading (0% – 25%)</td>
</tr>
</tbody>
</table>

**Automatic Agent ID**: Hal, Is, Ent, Sec, Des

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Subject to changes without notice.
March 2012 - EN
HEYER Medical's new anesthesia system Pasithec fully featured and simple to use. The modular construction concept fulfills all individual situations in OR’s.

It offers:
- Comprehensive ventilation modes
- Minimal tidal volume of 20 ml makes it fit for pediatric use
- Heated patient module to avoid moisture buildup
- Display of Loops

The new Pasithec is a cost-effective, flexible anesthesia workstation for performing and monitoring inhalation anesthesia. Low-flow techniques minimize gas and anesthetic agent consumption for economical day-to-day operation.

HEYER Pasithec naturally complies with the highest standards in ergonomic design, safety and easy operation and reliable respiratory settings.

**FEATURES**

**USER INTERFACE**
The highly flexible 10.4" color display ensures a simple and quick access and control of all ventilation parameters and functions. It is operated by a navigator knob and touch keys for frequently used functions.

Ventilation modes: IPPV, PCV, PS, SIMV, MANUAL - displayed in WAVES or LOOPS.

**FLOW CONTROL**
Dual flowmeters for Air, Oxygen and Nitrous Oxide provide an accurate flow control. The build-in auxiliary O2 flowmeter enables the supply of Oxygen for additional patient applications.

**VAPORIZER MOUNT**
The vaporizer mount takes up to two Selectatec-compatible vaporizer.

**BREATHING SYSTEM**
The very compact aluminum breathing system is warmed to prevent condensation and allows breathable gas conditioning. The traditional CO2 absorber system uses loose fill absorbent.

An integrated Fresh Gas Compensation ensures a consistent tidal volume in case of changing fresh gas flow rates.

The Automatic Compliance Compensation provides accurate tidal volumes with a wide range of breathing circuits.

**SUB-FRAME**
Two spacious drawers allow the direct access and storage of necessary accessories. The extendable writing board provides a desktop area in comfortable work height. Due to the small dimensions of the footprint, the Pasithec is quite easy to handle and also applicable in small rooms.