

BENCHTOP PORTABLE ANESTHESIA MACHINE

# PCB-PA50

Mechanical operation · 6-tube flow meter · O<sub>2</sub>/N<sub>2</sub>O linkage safety



Compact **benchtop anesthesia machine** with mechanical operation — no electronics required. 6-tube flow meter with O<sub>2</sub>/N<sub>2</sub>O safety linkage, Selectatec vaporizer mount, CO<sub>2</sub> circle absorber.

Anesthesiology

Benchtop

Mechanical

No Electronics

**PCB Medical · Kentucky (USA)**

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**6 tubes**

FLOW METER

**1,000 ml**

CO<sub>2</sub> ABSORBER

**≥25%**

O<sub>2</sub> MINIMUM

**21 kg**

WEIGHT

The PCB-PA50 brings essential anesthesia functions to a compact benchtop platform. Fully mechanical — no electronics or battery required, suitable for any facility. Three-gas input (O<sub>2</sub>, N<sub>2</sub>O, Air) with safety interlocks: O<sub>2</sub>/N<sub>2</sub>O linkage guarantees O<sub>2</sub> ≥25%, and N<sub>2</sub>O is automatically cut off if O<sub>2</sub> supply is lost.

## — Flow meter & controls



### PRECISION GAS MANAGEMENT

#### 6-tube high-precision flow meter

- O<sub>2</sub>: 2 tubes, 0–1 L/min and 1.1–10 L/min
- N<sub>2</sub>O: 2 tubes, 0–1 L/min and 1.1–12 L/min
- Air: 2 tubes, 0–1 L/min and 1.1–15 L/min
- Precision class 2.5 (at 20°C, 101.3 kPa)

## — Key features

### Safety interlocks

O<sub>2</sub>/N<sub>2</sub>O linkage guarantees O<sub>2</sub> ≥25%. N<sub>2</sub>O cuts off automatically when O<sub>2</sub> supply is lost.

### Selectatec vaporizer

Single Selectatec mount for Isoflurane or Sevoflurane. Easy vaporizer change.

### CO<sub>2</sub> circle absorber

1,000 ml absorber chamber. System leakage ≤125 L/min at <3 kPa.

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## — Specifications

Model	<b>PA50</b>	Gas source	<b>O<sub>2</sub> · N<sub>2</sub>O · Air</b>
Inlet pressure	<b>280–600 kPa</b>	Output regulator	<b>280–300 kPa</b>
Safety release	<b>≤600 kPa</b>	Flow meter	<b>6 tubes, class 2.5</b>
O <sub>2</sub> /N <sub>2</sub> O linkage	<b>O<sub>2</sub> ≥25% guaranteed</b>	N <sub>2</sub> O cutoff	<b>Auto when O<sub>2</sub> lost</b>
O <sub>2</sub> flush	<b>35–75 L/min</b>	Vaporizer mount	<b>Selectatec (single)</b>
CO <sub>2</sub> absorber	<b>1,000 ml chamber</b>	APL valve	<b>0.19–6 kPa</b>
Dimensions (no absorber)	<b>40 × 42 × 20 cm</b>	Dimensions (with absorber)	<b>68 × 66 × 23 cm</b>
Weight	<b>21–24 kg</b>		

**Manufactured under International Quality Standards.** Designed and manufactured following international standards for medical device quality management. Every PCB-PA50 unit is tested before shipment.

**CE**

**ISO 9001**

**ISO 13485**

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