



The CANTA VH5 5-Litre Oxygen Concentrator (VM-OCVH5) delivers $93\pm3\%$ oxygen purity at up to 5L/min continuous flow, with an electronic flowmeter adjustable in 0.1L/min increments, integrated nebulizer function, and real-time oxygen purity display on LCD. Four independent alarms — low purity ($<82\%$), power failure, low pressure, and overheat — with LCD fault codes provide continuous safety monitoring. Operating at $\leq 45\text{dB}$, $\leq 350\text{W}$ on AC220/110V $\pm 10\%$ / 50–60Hz, weighing 17kg. Dimensions: 380×345×625mm. Oxygen outlet with 6mm barbed fitting and DISS connector

Electronic Flowmeter and Continuous Oxygen Therapy at $93\pm3\%$ Purity

The CANTA VH5 (VM-OCVH5) is a 5-litre oxygen concentrator designed for continuous oxygen therapy in home care, frail care, and clinical settings. Using PSA (pressure swing adsorption) molecular sieve technology, it concentrates ambient air to deliver $93\pm3\%$ oxygen purity at a rated flow of 5L/min, meeting the oxygen purity specifications required for long-term oxygen therapy in COPD, chronic respiratory failure, and other hypoxaemic conditions. A distinguishing feature of the VH5 is its electronic flowmeter, adjustable at 0.1L/min intervals from 0–5L/min — a finer resolution than the stepped flowmeters found on many comparable concentrators — enabling precise, titrated flow delivery to match a patient's prescribed oxygen rate. Outlet pressure is 0.04–0.08MPa (40–80kPa), and the oxygen outlet uses a standard 6mm ($\frac{1}{4}$ -inch) barbed fitting and DISS connector for compatibility with standard humidifier bottles and oxygen delivery accessories.

Integrated Nebulizer Function with Simultaneous SpO₂ Monitoring Capability

The VH5 is configured with an integrated nebulizer function, allowing oxygen-driven medication atomisation concurrent with continuous oxygen delivery — a clinically useful capability during COPD exacerbations, acute asthma, or any respiratory event requiring simultaneous bronchodilator nebulisation and supplemental oxygen. The unit is also designed to support an optional SpO₂ sensor, enabling oxygen saturation and pulse rate monitoring to be added for ongoing patient assessment. This adaptability allows the VH5 to serve as an expandable respiratory therapy platform within a home care or step-down facility setting, without requiring additional standalone monitoring equipment. Real-time oxygen purity is displayed on the LCD, together with cumulative operating hours — a useful maintenance and service interval indicator.

Low Noise Operation and Comprehensive Alarm System for Clinical and Home Use

At $\leq 45\text{dB(A)}$, the VH5 operates at a noise level suitable for overnight oxygen therapy in domestic bedroom environments, addressing one of the primary patient tolerance concerns in home-based long-term oxygen therapy. The unit draws $\leq 350\text{W}$ on a dual-voltage supply (AC 220/110V $\pm 10\%$, 50–60Hz) and weighs 17kg net, making it manageable for household use. Four alarms — low oxygen purity ($<82\%$ threshold), power failure, low pressure, and overheat — are indicated by both audible

alert and LCD fault code, enabling rapid identification of the specific condition triggering the alarm. Cumulative operating hours are recorded on the LCD to support planned preventive maintenance. Available in South Africa from Vital Medical, the CANTA VH5 is suited to home care patients on prescribed long-term oxygen therapy, frail care facilities, and clinics requiring a quiet, accurate, and feature-equipped 5-litre oxygen concentrator with integrated nebulizer function.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
Brand	CANTA
Model	VH5
SKU	VM-OCVH5
Type	5-Litre Oxygen Concentrator with Nebulizer
Rated Flow	5 L/min
Oxygen Purity	93% ± 3%
Outlet Pressure	0.04–0.08 MPa (40–80 kPa)
Oxygen Outlet	6mm barbed fitting + DISS connector
Flowmeter	Electronic, adjustable in 0.1 L/min increments
Nebulizer Function	Integrated (standard on this configuration)
SpO2 Monitoring	Optional
Low Purity Alarm Threshold	<82% O ₂ concentration
Alarms	Low purity, power failure, low pressure, overheat (LCD fault code + audible)
Display	LCD — real-time purity, cumulative operating hours
Power Consumption	≤350W
Electrical Input	AC 220/110V ±10%, 50–60Hz ±1
Operating Noise	≤45 dB(A)
Dimensions	380(L) × 345(W) × 625(H) mm
Net Weight	17 kg
Gross Weight	18 kg

SKU: VM-OCVH5