



The Clineb is a professional oil-less piston compressor nebuliser for sustained aerosol therapy in hospitals, physiotherapy departments, emergency settings and clinics. It delivers a $3.25\ \mu\text{m}$ MMAD with a respirable fraction above 70%, and comes with a HI-FLO jet nebuliser, adult and child masks, a nosepiece, an air tube and an air filter. Made in Italy and available from Vital Medical in South Africa.

Professional Clinical Piston Compressor Nebuliser for Hospital Aerosol Therapy

The Clineb is a high-performance, oil-less piston compressor nebuliser designed for intensive aerosol therapy use in clinical and hospital environments. Unlike portable home nebulisers designed for occasional domestic use, the Clineb is built for the sustained, high-throughput operation demanded in hospital respiratory treatment units, physiotherapy departments, emergency settings and clinics where multiple patients receive nebulised therapy throughout the day. The oil-less, maintenance-free piston pump eliminates the routine servicing requirements associated with oil-lubricated compressors and the contamination risk of oil carryover into the aerosol delivery circuit, an important hygiene consideration in clinical use where aerosol delivery directly contacts patient respiratory mucosa.

High-Performance Aerosol Delivery with Clinically Effective Particle Sizing

The Clineb achieves a mass median aerodynamic diameter (MMAD) of 3.25 μm , within the optimal particle size range for respiratory tract deposition. Particles in the 1–5 μm range deposit predominantly in the lower respiratory tract (bronchioles and alveoli), which is the therapeutic target for the majority of inhaled medications used in clinical aerosol therapy: bronchodilators (salbutamol, ipratropium), corticosteroids and antibiotics. The respirable fraction, the proportion of generated aerosol below 5 μm , exceeds 70%, confirming efficient delivery of the clinically effective particle size fraction to the treatment site. The 5.2 L/min operating air flow and 0.5 ml/min nebulisation rate with 4 ml solution provide effective treatment delivery within a clinically practical treatment duration.

South African Hospital Respiratory Therapy Nebuliser

The Clineb is supplied with a comprehensive accessory set including HI-FLO jet nebuliser, adult and child masks, nosepiece for non-invasive delivery, air tube and replaceable air filter, all required for flexible clinical aerosol therapy delivery to a range of patient groups. Made in Italy to European safety standards, the Clineb is a dependable, high-specification nebuliser for South African hospital respiratory therapy departments, paediatric wards and emergency units requiring clinical-grade aerosol delivery. Vital Medical supplies the Clineb to South African healthcare facilities requiring a professional piston nebuliser for daily intensive aerosol therapy use.

Technical specifications

Specification	Detail
SKU	VM-NEBCLIN
Model	Clineb (CODE: NEBCLIN)
Type	Professional Piston Compressor Nebuliser
Compressor	Oil-less maintenance-free piston pump
Power Supply	230V ~ 50Hz
Power Consumption	184VA
Max Pressure	2.5 bar (36 psi / 250 kPa)
Operating Pressure	1.3 bar (18.9 psi / 130 kPa)
Max Air Flow	16 L/min
Operating Air Flow	5.2 L/min
Nebulisation Rate (4ml)	0.5 ml/min
MMAD	3.25 μ m
Respirable Fraction (<5 μ m)	>70%
Noise Level	56 dB
Weight	2.25 kg
Dimensions (main unit)	23 × 19 × 16 cm
Place of Manufacture	Italy
Standard Accessories	HI-FLO jet nebuliser, adult mask, child mask, nosepiece, air tube, air filter

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