



OxVent

A social enterprise for mechanical ventilation
Scientists | Clinicians | Manufacturers



Cost effective

~5% of a traditional ventilator

Easily serviceable

Build from standardized parts, which are easily replaceable

Robust

>1 hour internal battery in case of power failure

OxVent Mechanical Ventilator

Rapidly deployable and scalable low-cost mechanical ventilator specially designed for Covid-19

Specifications

Ventilation Modes	Volume Controlled Ventilation (VCV), Assist Control Ventilation (ACV)
Ventilator type	Pressure-driven ambulatory bag
Life time	>500 hours before resuscitator bag replacement
Suitable for Invasive-Ventilation	Yes
Suitable for Non-Invasive-Ventilation	No
Tidal Volume (VT)	250 to 600 ml
Respiratory Rate (RR)	10 to 30 breaths per minute
Peak Inspired Pressure	15 to 45 cmH ₂ O
Fraction of Inspired Oxygen (FIO ₂)	21 to 100%
Inspiratory/expiratory ratio	2:1 to 1:3
Positive End-Expiratory Pressure (PEEP)	5 to 20 cmH ₂ O
Trigger pressure below PEEP, ACV	1 to 10 cmH ₂ O
Alarms	FIO ₂ low, PEEP high/low, PIP high/low, VT high/low, RR high/low, Apnea (ACV), Inspiratory/Expiratory Volume low/high, Power Supply Disconnected, Flow Leak
Power Supply	110-240V, 50-60Hz
Drive Gas	4 Bar wall compressed air supply
Environmental Conditions	5 to 35°C, 30% to 70% relative humidity
Internal rechargeable battery backup	> 1 hour
Weight and Dimensions	7 kg (9kg inc. packaging & kit) and 480x290x240 mm

Training and Support

- Full training is available
- Each unit is supplied with a comprehensive user manual and training demonstration videos

Contact



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