

CoVida FC100



A purpose-built, 3:00am ready, emergency ventilator to support existing hospital infrastructure in a time of crisis



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Key features include:

- Simple user interface which uses familiar terminology.
- Intuitive design that doesn't require extensive training.
- Seamless transitions from hospital mains to battery power.
- Informative suite of audible and visual alarms.
- Self-generating air supply - requires only oxygen for use.
- Failsafe over-pressure relief for intrinsically safe operation.
- User-settable alarm thresholds for patient-specific care.
- Small, lightweight, spill-resistant, easily cleanable surfaces.
- Dual-action shutdown procedure for improved safety.

Front panel ventilation settings:

- Breaths Per Minute (5 - 30)
- Tidal Volume (200 - 800 mL)
- Inspiration/Expiration Ratio (1:1 - 1:4)
- Fractional Inspiration O₂ (50 - 100% FiO₂)
- Dual-action shutdown procedure for improved safety.

Front panel settable alarm thresholds:

- PEEP (5 - 25 cmH₂O)
- Maximum Pressure (0 - 60 cmH₂O)

Specifications:

- 80 - 240 VAC Mains
- Battery Operation Time: > 2 Hours
- Oxygen (400 - 600 kPa, 120 L/min)

Front panel alarms:

- Ventilator Fail
- Patient Disconnect
- Oxygen Fail
- Maximum Pressure
- PEEP Alert
- High/Low Tidal Volumes
- Mains Disconnect (warning)
- Battery Low

More information

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<https://www.sydney.edu.au/engineering/schools/school-of-biomedical-engineering.html>