

Crossvent 3+

Adult and Pediatric Ventilator



Superior portability, flexibility and performance.

Bio-Med Devices' new, industry-leading Crossvent 3+ Ventilator offers a wide range of ventilatory support for both pediatric and adult patients in a variety of settings from air and ground transport to emergency department to ICU to subacute care and more.

A choice of configurations

You can order the Crossvent 3+ in any one of three configurations: standard, with Bio-Med Devices Air/Oxygen Blender attached, or with air entrainment. The attached blender allows the user to set oxygen concentration from 21% to 100%. Units with air entrainment can deliver either 100% oxygen or a nominal 50% oxygen without the need for an external air supply source. The unique venturi mechanism built

into the unit increases oxygen tank life by mixing ambient air with the source oxygen.

A range of modes and alarms

Using the color touchscreen display, operators can easily select the appropriate ventilation mode: Assist Control, SIMV, CPAP, Pressure Support or Sigh. Available alarms include exhaled tidal volume, PIR, PEEP, mean pressure, low supply pressure, rate, oxygen concentration and low battery.

Dependable power

The Crossvent 3+ can be powered by a compressor, blended gas or 100% oxygen, and its consumption of gas is extremely low. The internal battery provides power during transport and in the event of AC power failure. If the external power should fail, the unit will automatically switch to its battery power and sound an alarm. A fully charged battery will last approximately 6 hours.

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Highlights of enhancements

- **Color display with greater visibility and viewing angle**
- **Improved touchscreen sensitivity**
- **Improved battery gauge providing greater accuracy in 2% increments**
- **Optional Exhaled V_T**
- **Optional Exhaled V_E**

Key features include

- **Ultra-compact and lightweight design**
- **Unmatched gas efficiency**
- **Long battery life**
- **Multiple ventilation modes**
- **Built-in PEEP**
- **LED power indicator**
- **Foolproof circuit connections**

Ideal for

- **Air and ground transport**
- **Intra- or inter-hospital transport**
- **Intensive care unit**
- **Emergency department**
- **Recovery room**
- **Subacute care**

Specifications

Parameter	Range
Rate	5-150 bpm
Tidal Volume	5-2500 ml
Inspiratory Time	0.10 – 3.0 seconds
I/E Ratio	3:1 to 1:99
Flow Rate	1-120 lpm
Peak Pressure	0-120 cmH ₂ O
PEEP Pressure	0-35 cmH ₂ O
Pressure Trigger	-.2 to -10 cmH ₂ O
Pressure Support	0-50 cmH ₂ O
SIMV Rate	0.6-50 bpm
O ₂ Sensor	21-100%
Sigh	0-2500 ml

Ventilation Modes

Assist Control | SIMV
CPAP | Pressure Support | Sigh

Monitors/Alarms

Standard

Peak Pressure | Rate | Oxygen
PEEP/CPAP | Mean Pressure
Low Battery | Low Supply Pressure

Options

Blender or Air Entrainment
Exhaled Tidal Volume
Exhaled Minute Volume

Physical Characteristics

Size: 11" x 10" x 5.5"
(28 cm x 25.4 cm x 14 cm)
Weight: 10.5 lbs.
(4.8 kg)

Models

3300C	Basic CROSSVENT 3+
3300AC	Crossvent 3+ with Air Entrainment
3300BC	Crossvent 3+ with attached Air/Oxygen Blender
3300EC	Crossvent 3+ with Exhaled Tidal Volume Monitoring
3300AEC	Crossvent 3+ with Exhaled Tidal Volume Monitoring & Air Entrainment
3300BEC	Crossvent 3+ with Exhaled Tidal Volume Monitoring & attached Air/Oxygen Blender

All Models Include

Disposable Adult Circuit
O₂ High Pressure Supply Hose
Oxygen Sensor Cell w/cable

Adult Test Lung
External Power Supply
Instruction/Service Manual

Optional Accessories

Heavy Duty Roll Stand
(includes tilt bracket)
Filter Water Trap (Air)
Filter Water Trap (O₂)
Pediatric/Adult Pneumotach
Standard Pole Mount Bracket

Circuit Support Arm
Support Arm Bracket
Blender Pole Bracket
Disposable Pediatric Circuit
Reusable Adult Circuit



3300BEC



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Specifications subject to change without notice.

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