

Crossvent 2+

Neonatal through Pediatric Ventilator



Superior portability, flexibility and performance.

Bio-Med Devices' new, industry-leading Crossvent 2+ Ventilator offers a wide range of ventilatory support for both pediatric and infant 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 2+ with or without the attached Bio-Med Devices Air/Oxygen Blender. The blender allows the user to set oxygen concentration from 21% to 100%.

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, Flow Trigger or Pressure-limited Constant Flow. Available alarms include exhaled tidal volume, PIP, PEEP, mean pressure, low supply pressure, rate, oxygen concentration and low battery. The Auto Set feature allows the user to set the primary alarms quickly and easily with a single key.

Dependable power

The Crossvent 2+ 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**

Key features include

- **Ultra-compact and lightweight design**
- **Unmatched gas efficiency**
- **Long battery life**
- **Multiple ventilation modes**
- **Flow Trigger**
- **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 | 5-990 ml |
| Inspiratory Time | 0.10 – 3.0 seconds |
| I/E Ratio | 3:1 to 1:99 |
| Flow Rate | 1-50 lpm |
| Constant Flow | 1-29 lpm |
| Peak Pressure | 0-80 cmH2O |
| PEEP Pressure | 0-20 cmH2O |
| Pressure Trigger | -2 to -10 cmH2O |
| Flow Trigger | 1-20 (sensitivity scale) |
| Pressure Support | 0-50 cmH2O |
| SIMV Rate | 0.6-50 bpm |
| O2 Sensor | 21-100% |

Ventilation Modes

Assist Control | SIMV
 CPAP | Pressure Support
 Constant Flow | Flow Trigger

Monitors/Alarms

Standard
 Peak Pressure | Rate | Oxygen
 PEEP/CPAP | Mean Pressure
 Low Battery | Low Supply Pressure
 Exhaled Vt | Exhaled Ve

Options

Air/Oxygen Blender

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

| | |
|---------|---|
| 2200EC | Crossvent 2+ with Exhaled Tidal Volume Monitoring |
| 2200BEC | Crossvent 2+ with Exhaled Tidal Volume Monitoring & attached Air/Oxygen Blender |

All Models Include

Disposable Infant Circuit
 Disposable Pediatric Circuit
 Pediatric Pneumotach
 Infant Pneumotach
 O2 High Pressure Supply Hose

Oxygen Sensor Cell w/cable
 Infant Test Lung
 Pediatric 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)
 Reusable Infant Circuit
 Reusable Pediatric Circuit

Standard Pole Mount Bracket
 Circuit Support Arm
 Support Arm Bracket
 Blender Pole Bracket



2200BEC



Bio-Med Devices Inc.
 61 Soundview Road
 Guilford, CT 06437
 USA
 Telephone: 1-800-224-6633 or 203-458-0202
 Fax: 203-458-0440
 Website: www.biomeddevices.com
 E-mail: custserv@biomeddevices.com



Specifications subject to change without notice.

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