

Crossvent 4+

Neonatal through Adult Ventilator



Superior portability, flexibility and performance.

Bio-Med Devices' new, industry-leading Crossvent 4+ Ventilator offers a wide range of ventilatory support for infant, pediatric and adult patients. It can be used in a variety of settings from air and ground transport to subacute care, from ER to ICU and more.

A choice of configurations

You can order the Crossvent 4+ 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, Continuous Flow or Sigh. Available alarms include exhaled tidal volume, PIP, PEEP, mean pressure, low supply pressure, rate, oxygen concentration and low battery.

Dependable power

The Crossvent 4+ 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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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**
- **Color Display with excellent visibility and viewing angle**
- **Easy to use touchscreen interface**

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
Continuous Flow	1-29 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
 Continuous Flow | Pressure Limit

Monitors/Alarms

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

Options

Blender or Air Entrainment

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

4400EC	Crossvent 4+ with Exhaled Tidal Volume Monitoring
4400AEC	Crossvent 4+ with Exhaled Tidal Volume Monitoring & Air Entrainment
4400BEC	Crossvent 4+ with Exhaled Tidal Volume Monitoring & attached Air/Oxygen Blender

All Models Include

Disposable Adult Circuit
 Disposable Infant Circuit
 Adult Test Lung
 Infant Test Lung
 Pediatric/Adult Pneumotach
 O₂ High Pressure Supply Hose
 Oxygen Sensor Cell w/cable
 External Power Supply
 Instruction/Service Manual

Optional Accessories

Heavy Duty Roll Stand
 (includes tilt bracket)
 Disposable Pediatric Circuit
 Reusable Adult Circuit
 Reusable Pediatric Circuit
 Reusable Infant Circuit
 Circuit Support Arm
 Support Arm Bracket
 Standard Pole Mount Bracket
 Blender Pole Bracket
 Filter Water Trap (Air)
 Filter Water Trap (O₂)
 Aluminum E-Cylinders
 Deluxe Air E-Cylinder Regulator
 Deluxe O₂ E-Cylinder Regulator



4400BEC with Heavy Duty Roll Stand, Cylinder Brackets and Cylinders with Regulators



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Specifications subject to change without notice.

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