Bio-Med Devices' new industry leading TV-100 Ventilator offers the latest technology, and provides the modes and performance of a full size ICU ventilator in a compact design that is ideal for transport.

One Vent - All Patients - Anywhere
Superior Portability, Flexibility, and Performance

Full FiO₂ Capability
The TV-100 features an internal compressor which provides air supply without the need for external pressurized gas supplies. Oxygen may also be provided from a 50 psi gas source and is delivered via an internal blender in O₂ concentrations from 21 - 100%.

Dependable & Easy to Use
The TV-100 features dual, hot swap capable, rechargeable batteries that allow for uninterrupted use on the go. The TV-100 is capable of up to 7 hours of continuous battery operation with fully charged batteries.

Unmatched Capability
The TV-100 offers the capability to ventilate the smallest of premature infants to the largest of adult patients. This wide range of use, as well as the inclusion of non-invasive modes, sets the TV-100 apart.

Pending FDA Clearance
Ventilation Modes

Apnea
Assist Control-Pressure
Assist Control-Volume
CPAP-Pressure Backup
CPAP-Volume Backup
NIV Bi-Level
SIMV-Pressure
SIMV-Volume

Monitors/Alarms

Rate
Oxygen (O₂)
PEEP
EPAP
IPAP
Apnea
VT
MV
Peak Pressure
Mean Pressure
Low Battery
I:E Ratio

Included Accessories

TV-100 Operator’s Manual
Pole Mounting Bracket
Disposable Adult Circuit
Disposable Infant Circuit
Adult Test Lung
Infant Test Lung
Pediatric/Adult Flow Sensor
Infant Flow Sensor
Disposable Patient Filter
O₂, High Pressure Supply Hose
TV-100 Power Supply
(with Power Cord)

Optional Accessories

Disposable Pediatric Circuit
Disposable Dual Limb Adult Circuit
Reusable Infant Circuit
Reusable Pediatric Circuit
Reusable Adult Circuit
O₂ Filter/Water Trap (International Only)
O₂, High Pressure Supply Hose (Hand Tighten)
Pediatric Test Lung
TV-100 Battery
TV-100 Battery Charger

Physical Characteristics

Size: 12.8” x 11.9” x 7.6” (32.5 cm x 30.2 cm x 19.3 cm)
Weight: 15.6 lbs. (7.1 kg) (Without AC Adapter)

Specifications

Parameter | Range
---|---
Apnea Alarm | 10 - 60 seconds
I:E Ratio | 3.1 to 1.99
Oxygen | 21 - 100%
Pressure Support | 1 - 60 cmH₂O
Rate (Pediatric/Adult) | 5 - 100 bpm
Rate (Neonatal) | 5 - 150 bpm
SIMV Rate | 0.6 - 50 bpm
Expiratory Time | 0.2 - 99.9 seconds
Inspiratory Time | 0.1 - 3.0 seconds
Flow Trigger | 0.5 - 10 lpm
Pressure Trigger | -0.2 to -10 cmH₂O
Purge Flow | 40 - 60 ml/min
Base Flow (Pediatric/Adult) | 6 lpm
Base Flow (Neonatal) | 2.5 lpm
Flow (Pediatric/Adult) | 0.1 - 180 lpm
Flow (Neonatal) | 0.1 - 15 lpm
PEEP/CPAP (Pediatric/Adult) | 0 - 35 cmH₂O
PEEP (Neonatal) | 0 - 25 cmH₂O
EPAP | 4 - 20 cmH₂O
IPAP | 4 - 40 cmH₂O
PIP (Pediatric/Adult) | 3 - 100 cmH₂O
PIP (Neonatal) | 3 - 60 cmH₂O
Tidal Volume (Pediatric/Adult) | 75 - 2500 ml
Tidal Volume (Neonatal) | 2 - 100 ml
Pop-off Relief Valve (Ped/Adult) | 100 cmH₂O
Pop-off Relief Valve (Neonatal) | 60 cmH₂O

Bio-Med Devices, Inc.
61 Soundview Road
Guilford, CT 06437
USA

Telephone: 1-800-224-6633
Fax: 203-458-0440
Website: www.biomeddevices.com
E-mail: international@biomeddevices.com
custserv@biomeddevices.com

DDOC003 REV122915
Specifications subject to change without notice