ACHIEVA™
Portable Volume Ventilator with Pressure Support
ACHIEVA Portable Ventilators provide positive pressure support for a variety of clinical conditions in pediatric and adult patients. A pressure support capability aids the weaning process and improves patient comfort by reducing work of breathing. Extended battery operation and a lightweight, compact design enhance patient quality of life. An internal modem facilitates remote data transfer to clinicians, and an internal dial-in PEEP with flow/pressure trigger sensitivity promotes patient synchrony. ACHIEVA ventilators are highly efficient in terms of oxygen and power consumption compared with other portable ventilators. They are easy to operate, convenient to use and cost-effective to own.

**Product Features**

- Sturdy components and compact design for easy portability and uncompromised reliability.
- Offers both volume and pressure control ventilation.
- Flow and/or Pressure triggering for enhanced patient synchrony.
- Internal dial-in PEEP takes the guesswork out of setting pressure trigger sensitivity.
- Pressure Support to enhance weaning and improve patient comfort and patient ventilator/synchrony.
- Expiratory Sensitivity improves patient synchrony by allowing the clinician to adjust the percent of peak inspiratory flow that will cycle the ventilator from inspiration to expiration in Pressure Support.
- Internal and optional external battery for extended mobility.
- Internal O2 blending for convenient and accurate delivery of 21% to 100% FiO2 (PSO2 Model)
- Flow Acceleration Limit.
- Internal memory allow access to stored data, providing a tool to troubleshoot alarms and evaluate effectiveness of patient settings.
- Can be used with pediatric patients as small as 5 kg.

**Specifications**

- **Dimensions / Weight**: 27.3 cm x 33.8 cm x 39.6 cm / Less than 14.6 kg
- **Power Line / Power Consumption**: 100-240 VAC, 50/60 Hz, universal AC input
- **Pressure Line**: 0 to 50 cm H2O/hPa
- **Breath Rate**: 1 to 80 BPM
- **Tidal Volume**: 50 to 2200 ml (1750 ml SIMV)
- **Inspiratory Trigger**: Flow from 3 to 25 LPM.
- **Expiratory Trigger**: 15 to 55% of peak inspiratory flow.
- **Expiratory Time**: 0.2 to 5.0 seconds
- **Inspiratory Time**: 0.2 to 5.0 seconds
- **Tidal Volume**: 50 to 2200 ml (1750 ml SIMV)
- **Ventilation Mode**: Assist/Control, SIMV, SPON
- **Setting Parameters**
  - **Ventilation Mode**: Assist/Control, SIMV, SPON
  - **Tidal Volume**: 50 to 2200 ml (1750 ml SIMV)
  - **Inspiratory Time**: 0.2 to 5.0 seconds
  - **Expiratory Trigger**: 15 to 55% of peak inspiratory flow
  - **Flow Rate**: 1 to 80 BPM
  - **Pressure**: 0 to 50 cm H2O/hPa
  - **PEEP**: 0 and 3 cm H2O/hPa
  - **Low Pressure Alarm**: 1 to 59 cm H2O/hPa
  - **High Pressure Alarm**: 2 to 80 cm H2O/hPa
  - **O2 Level**: 21 to 100%
  - **Flow Acceleration**: ON/OFF
  - **Backup Rate**: (10 BPM) in SPON: ON/OFF

**Alarms**

- Low Pressure/Apnea, High Pressure, Setting Error, Power Switchover, Low Power, O2 Failure

**Ordering information**

<table>
<thead>
<tr>
<th>REF</th>
<th>Description</th>
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<tbody>
<tr>
<td>Y-ACH+E</td>
<td>ACHIEVA</td>
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<tr>
<td>Y-ACHPS+E</td>
<td>ACHIEVA PS</td>
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<tr>
<td>Y-ACHPSO2+E</td>
<td>ACHIEVA PSO2</td>
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**Accessories**

- **Y-6297**: Reusable adult circuit - metal
- **Y-6288**: Reusable adult circuit - plastic
- **Y-6463**: Disposable adult circuit
- **Y-6464**: Disposable pediatric circuit
- **Y-6110**: Flat pak air inlet filter
- **L-006197-000**: Bacteria filter (disposable)

**Optional Accessories**

- **Y-CGVP24-E**: External battery pack
- **Y-6353**: Exhalation valve
- **L-6202**: O2 enrichment kit
- **Y-6109-02**: O2 adapter for flatpak filter
- **L-6861**: Prach support arm w/Fisher & Paykel bracket
- **Y-102064-00**: Ventilator wheelchair tray
- **Y-6441-ACH**: Ventilator Cart

*ACHIEVA Ventilators are available with English, French, German, Italian and Spanish.

Please contact your local Tyco Healthcare representative for more information.

Use only PURITAN BENNETT accessories with the ventilators.