

# Improved patient dis now automatic

Philips Respironics BiPAP ANATOS matically delivers optimal there even as patient needs change. And even if you are miles away



# Better patient care It's automatic.



When a therapy device takes patient care to the nex level, it's an important advancement. When it can also recognize changing patient needs and automatic make adjustments, it's revolutionary. Philips Respiro BiPAP AVAP§ndBiPAP S/Tare noninvasive ventilation devices developed to help you provide better, more efficient care for patients, including children as youn seven years of age and who weigh more than 40 pour And who better to bring it to you than the innovators noninvasive (NIV) bi-level therapy for the home.

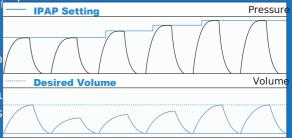




### AVAPS - advanced technology that simplifies patient care

It's the only way of ensuring the delivery of targer tidal volume for your NIV patients. Shorthand for "Average Volume Assured Pressure Support," AVAPS sets the standard in noninvasive ventilatio

The exclusive AVAPS algorithm automatically adju pressure support to meet changing patient needs maintaining a target tidal volume.



<sup>&</sup>lt;sup>1</sup> The AVAPS feature is not available on the BiPAP S/T ventilator.

### Exclusive benefits for your patients... and for you

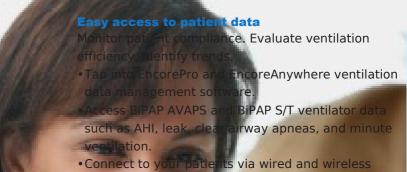
### **AVAPS:**

### Advanced leak-sensing technology with Digital Auto-Trak

• Automatically adapts to disease **with Digital Auto-Trak** progression and changing patient nee@ur clinically-proven Digital Auto-Trak sensitivity

synchrony.

- Maintains optimal patient comfort with adgrithm: compromising patient care and efficacy Enables you to achieve optimum patient/ventilator
- Improves ventilation efficacy.
- Simplifies the titration process.
- Recognizes and compensates for leaks.
- Automatically adjusts its variable trigger and cycle thresholds.



modems plus an SD memory card.

<sup>2</sup>Storre, JH, et al. Average Volume-Assured Pressu Support in Obesity Hypoventilation: A Randomized Crossover Triahes 2006;130;815-821.

# Which patients benefit from AVAPS?

Any of your patients who develop chronic hypoventilation may find the BiPAP AVAPS a more comfortable and effective NIV therapy. For example, neuromuscular, COPD, and obesity hypoventilation patients are strong candidates for BiPAP AVAPS.







"The addition of AVAPS to BPV-S/T provides beneficial physiologic improvements, resulting in a more efficient decrease of Ptc2 mpared to BPV-S/T therapy alone."

## One unbeatable package

Improved patient care, automatic adjustments to meet changing patient needs, plus simplified patient management. And it all comes together in a new lighter quieter, and easy-to-use device that you and your patients are sure to appreciate. Integrated alarms help maintain patient safety. System One humidity control analyzes ambient temperature, relative humidity, and patient flow to deliver optimum humidity – and ultimate comfort – to the patient while also dramatically reducing rainout.



## AVAPS suggested settings



|      | Mode         | S/T  |
|------|--------------|------|
| etup | AVAPS        | on   |
| Se   | Tidal Volume | 500  |
|      | IPAP Max     | 12.0 |
|      |              |      |

| _    | AVAPS        | S/T  |
|------|--------------|------|
| etup | Tidal Volume | 500  |
| Set  | IPAP Max     | 25.0 |
|      | IPAP Min     | 18.0 |
|      |              | - 1  |

|       | IPAP Min | 18.0 |
|-------|----------|------|
| et up | EPAP     | 4.0  |
| Se    | ВРМ      | 15   |
|       | Ti       | 1.0  |
|       |          | I    |

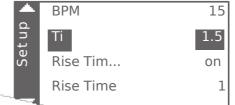
1. Set the target tidal volume to 8 ml/kg of ideal weight.

2. Set IPAP limits

Max: 25 cm<sub>2</sub>0 depending
on patient pathology

Min: EPAP + 4 cm<sub>2</sub>0H

 Set respiratory rate
 2-3 BPM below resting respiratory rate.



4. Set inspiratory time.



5. Adjust rise time for patient comfort.

|   | Height | Ideal weight | Vte if 8ml/kg |
|---|--------|--------------|---------------|
| { | 59"    | 52.0 kg      | 420 ml        |
| 1 | 61"    | 55.5 kg      | 440 ml        |
|   | 63"    | 59.0 kg      | 470 ml        |
|   | 65"    | 62.5 kg      | 500 ml        |
|   | 67"    | 66.5 kg      | 530 ml        |
|   | 69"    | 70.5 kg      | 560 ml        |
|   | 71"    | 74.5 kg      | 600 ml        |
|   | 73"    | 78.5 kg      | 630 ml        |
|   | 75"    | 83.0 kg      | 660 ml        |

| Product specifications                                     |   |                              |                                   |                   |  |
|--|---|------------------------------|-----------------------------------|-------------------|--|
| Physical   |   |                              |                                   |                   |  |
| Size   | 18 cm x 14 cm x 10 cm (7" L x 5.5" W x 4" H)          |                              |                                   |                   |  |
| Weight   | Approximately 1.36 kg (3 lbs.)                        |                              |                                   |                   |  |
| Therapy parameters   |   |                              |                                   |                   |  |
| Modes  | CPAP, S, ST, PC, T                                    |                              |                                   |                   |  |
| Bi-Flex  | Available on S mode                                   |                              |                                   |                   |  |
| Timed inspiration  | 0.5 to 3.0 seconds                                    |                              |                                   |                   |  |
| IPAP   | 4 to 25 cm <sub>2</sub> <b>Đ</b>                      |                              |                                   |                   |  |
| EPAP   | 4 to 25 cm₂ <del>D</del>                              |                              |                                   |                   |  |
| CPAP   | 4 to 20 cm <sub>2</sub> <b>G</b>                      |                              |                                   |                   |  |
| Ramp   | 0 to 45 minutes                                       |                              |                                   |                   |  |
| Breath rate  | 0 to 30 BPM   | 0 to 30 BPM                  |                                   |                   |  |
| AVAPS (only available on BiPAP                             | AVAPS device)   |                              |                                   |                   |  |
| ode availability AVAPS available on S, ST, PC, and T modes |   |                              |                                   |                   |  |
| Target tidal volume  | 200 to 1500 ml  |                              |                                   |                   |  |
| IPAPmin  | From EPAP to IPAPmax                                  |                              |                                   |                   |  |
| IPAPmax  | From IPAPmin to 25 cg                                 | H                            |                                   |                   |  |
| Patient alarms available                                   | Patient disconnect, apr                               | nea, low minut               | e ventilation, low tidal v        | olume (AVAPS mode |  |
| Environmental  | Operating   |                              | Storage                           |                   |  |
| Temperature  | 5° C to 35° C (41° F to                               | 95° F)                       | -20° C to 60° C (-4° F to 140° F) |                   |  |
| Relative humidity  | 15 to 95% (non-condensing) 15 to 95% (non-condensing) |                              | nsing)                            |                   |  |
| Atmospheric pressure                                       | 101 kPa to 77 kPa (0-2                                | 286 m / 0-750                | ONF#A                             |                   |  |
| Sound level  | < 30 dBA at 10 cp0 lp1re                              | essure                       |                                   |                   |  |
| Electrical   |   |                              |                                   |                   |  |
| AC voltage source  | 100 to 240 VAC, 50/60                                 | Hz, 2.1 A                    |                                   |                   |  |
| DC power   | 12 VDC, 5.0 A   |                              |                                   |                   |  |
| Displayed parameters                                       | Patient pressure, leak,                               | tidal volume,                | and respiratory rate              |                   |  |
| Filters  | Foam and optional ultr                                | a-fine                       |                                   |                   |  |
| Ordering information                                       |   |                              |                                   |                   |  |
| Item   | US  | Canada                       |                                   |                   |  |
| BiPAP AVAPS, C series                                      | 1060485 CA1060486                                     |                              |                                   |                   |  |
| BiPAP AVAPS, C series, core packa                          | g <b>4</b> 061418                                     | CA1061419                    |                                   |                   |  |
| BiPAP S/T, C series  | 1061420   | CA1061421                    |                                   |                   |  |
| BiPAP S/T, C series, core package                          | 1061422   |                              |                                   |                   |  |
| Ventilator accessories                                     | Part number   | Ventilator a                 | ccessories                        | Part number       |  |
| Foam filter kit  | 1063091   | Water chamber 1063785        |                                   |                   |  |
| Ultra-fine filter kit                                      | 1063096   | Power supply 10              |                                   | 1063786           |  |
| System One heated humidifier                               | 1056209   | Carrying case 1063857        |                                   | 1063857           |  |
| Device side panel  | 1063784   | Power cord US/Canada 1005894 |                                   | 1005894           |  |
|  |   |                              |                                   |                   |  |

AVAPS and Bi-Flex features are not cleared for pediatric use.

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CAUTION: US federal law restricts these devices to sale by or on the order of a physician.

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