

NatrRes SVAP Pro

Non-Invasive Positive Pressure Ventilation Device

Specification
V01.00.00

NatrRes is SunnyGrand's noninvasive ventilator series designed for non-dependent patients with respiratory insufficiency. With the perfect blend of advanced technology, user-friendly features, and therapeutic efficacy, NatrRes redefines your breathing experience, bringing excellence to every breath.



Advanced Features

5-INCH HD TOUCHSCREEN

Full touchscreen for easy, intuitive control. Light adaptive sensor adjusts screen brightness automatically. Ultra-simple, smartphone-like menu for user-friendliness.



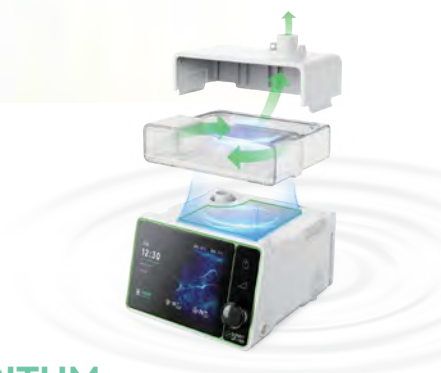
SMART HOME STYLE

Compact 0.03m² footprint maximizes bedside space. The unique cuboid design ensures stability and balance.



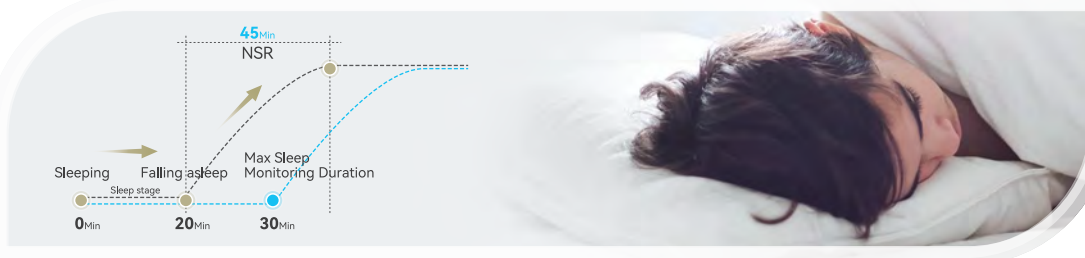
UNIQUE DUAL-HUMIDIFICATION

Ergonomic humidifier with an easy-clean water chamber. Dual-channel design for superior breathing comfort, providing up to 96% humidity to relieve respiratory dryness.



NATR™ FULL-RANGE SLEEP ALGORITHM

The comprehensive sleep algorithm accurately monitors sleep events from falling asleep to waking up. Ensures a natural, comfortable sleep.



Specifications

Basic Information

- Monitor: 5-inch touchscreen; 480*800 pixels; with brightness adjustment sensor
- Dimensions: 188 mm (length) × 173 mm (width) × 163.5 mm (height)
- Weight: 1.9 kg (including humidifier)
- Devices Control: Supports multi-touch control and knob control
- Electrical requirements: 100 – 240 VAC, 50/60 Hz, 2.0 A Max.
- Water Chamber Capacity: 300 ± 20 mL
- Noise level: less than 27dB

Therapy Modes

- CPAP (Continuous Positive Airway Pressure)
- S (Spontaneous)
- T (Timed)
- S/T (Spontaneous/Timed)
- SPC (Pressure Assisted Control)
- SVAP Smart Volume-Assured Pressure Support)

Data Connection & Report Viewing

- Data storage: 4GB high-speed SD card
- Data reports: provides trend reports, average AHI, average AI, average therapy pressure, P95, P95 inspiratory pressure, P95 expiratory pressure

Clinical Parameters

- Inspiratory Pressure: 4–30 cmH₂O, adjustable in 0.2 cmH₂O increments
- Expiratory Pressure: 2–25 cmH₂O, adjustable in 0.2 cmH₂O increments
- Pressure display accuracy: ± (0.4 cmH₂O + 4% of the actual reading)
- Max PS (Pressure Support): 0–28 cmH₂O
- Min PS (Pressure Support): 0–20 cmH₂O
- Start EPAP: 2–25 cmH₂O
- Trigger Sensitivity: 5 levels
- Inhalation Time: 0.3–4s
- Exhalation Time: 0.1–4s
- Respiratory Rate: 5–50 bpm
- Target Tidal Volume (Vt): 0 mL–4000 mL

Comfort Features

- Humidifier: 7 levels from 0 to 6, supports Auto mode
- Preheat Mode: OFF/ON
- Heated Tube: 16–34°C; Auto mode (Available when Heated tube is connected)
- Auto Ramp: Natural Smart Ramp; 0 to 45 min (5-minute increments)
- Expiration Pressure Relief: 1 to 3 levels (Only support in CPAP)
- Smart Start/Stop: OFF/ON
- Mask Type: Nasal/Face/Pillow; Support Auto detection
- Leak compensation: automatic leak pressure compensation
- Altitude compensation: supports automatic altitude pressure adjustment
- Reminder functions: high inspiratory pressure, low expiratory pressure, high respiratory rate, low respiratory rate, low minute ventilation, leak alarm, low tidal volume, tubing replacement reminder, mask replacement reminder, air filter replacement reminder