

General Specifications

Patient type	Adult, pediatric & neonatal patients
Dimensions (H x W x D)	128 cm x 67 cm x 60 cm
Weight	77 kg (with PA air compressor attached)
Power	220-240 V, 50-60 Hz (well grounded)
Backup power	At least 30 minutes, nominally between 2 to 4 hours
Display	10.4 Inch TFT display

Ventilator

Tidal volume	Adjustable range: 20-1500 ml, Display range: 0-2000 ml
Respiratory rate	1-99 bpm
Inspiratory pressure limit	5-70 cmH2O
Ventilation modes	Manual, Spontaneous, Assist/Control (A/C), Intermittent Positive Pressure Ventilation (IPPV), Synchronized Intermittent Positive Pressure Ventilation (SIPPV), Volume Controlled Ventilation (VCV), Synchronized Intermittent Mandatory Ventilation (SIMV), Pressure Synchronized Intermittent Mandatory Ventilation (P-SIMV) Pressure Control Ventilation (PCV), Pressure Support Ventilation (PSV), Continuous Positive Airway Pressure (CPAP)
Minute volume	≥ 18 L/min BTPS
Trigger Sensitivity	Flow: 1-10 L/min, Pressure: -10-10 cmH2O
SIMV Rate	1-20 bpm
Inspiration/Expiration ratio (I:E)	4:1-1:4
Inspiratory time	0.1-2.0 s
PEEP	0-10 cmH2O
PSV	3-40 cmH2O
Oxygen & AIR inlet pressure range	280-600 kPa
O2 concentration	21-100 %
SIGH	1-8 per 100 breaths (tidal volume set at 1.5 x)

Compressor & Humidifier

Humidifier	9 level adjustable nebulization
Compressor power	220 V, 50 Hz 700 VA (well grounded)
Compressor gas pressure	0.3-0.5 MPa
Output gas flow	Continuous ≥ 20 L/min , Instantaneous ≥ 60 L/min

Other Specifications

Monitoring	Tidal volume, inspiration tidal volume, expiration tidal volume, minute volume, control frequency, spontaneous respiration rate, Inhalation & exhalation status, airway pressure, Inspiratory trigger, inhaled oxygen concentration, PEEP, I:E, airway resistance, lung compliance & more
Alarm	Audible and/or visual alarms for intubation disconnection, tidal volume, ventilation volume, oxygen concentration, asphyxia, airway pressure,



CHW-900B Adv. ANESTHESIA MACHINE

Superior Anesthesia From Experience



High-end Medical
Equipment Manufacturer

Committed to quality ventilation

Striking the right balance between performance & price is key to delivering great health care, so why compromise when you can have more for less?



At Perlong, we recognize the crucial role that mechanical ventilation plays in the complex world of modern healthcare. We understand there are numerous challenges ranging from raising patient throughput, medicinal shortages, cost overruns and the need to keep abreast of developments in an evolving discipline.

Thus, the need to achieve an efficient yet cost-effective method for quality respiratory care is a growing concern in many clinics, hospitals and other medical establishments around the world. This is why finding a solution that strikes the right balance between price & performance requires both expertise and experience.

With over 40 years of experience designing, developing and manufacturing anesthesia ventilation equipment, Perlong has that expertise, we understand your challenges and we developed the PA 900B Adv. medical ventilator specifically to meet your ventilation needs.

Promoting Excellence Through Design

Built from nonhazardous environmentally friendly material, the precisely constructed and elegantly designed PA 900B Adv. provides an ergonomic and easily movable mechanical ventilator that requires only the bare minimum of operating space.



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| 1 Lightweight reusable clear breathing mask | 5 Flexible easy-to-secure breathing circuit |
| 2 3 section articulated adjustable support arm | 6 9 level adjustable h_u midifier |
| 3 Built-in high visibility 10.4 inch TFT color display | 7 Professional medical grade air compressor |
| 4 Integrated quick response electronic flow sensors | 8 Swivel wheels with caster contact brakes |

Comprehension At A Glance

The built-in 10.4 inch TFT color display offers a simple and convenient method for users to view detailed relevant patient status information in a timely and easily accessible manner.



I Real time status indication

In the medical environment, it's often critical to stay abreast of changes and developments in information. This is why we created a display system for the PA 900B Adv., that succinctly and clearly provides real time notifications on the status of the patient, the alarms, the ventilation process, as well as the ventilator itself.

II Intuitive UI display

The trimmed down intuitive user interface of the PA 900B Adv. designed with accessibility and convenience in mind, allows users to effortlessly toggle between patient parameters, system settings, Pressure-Time, Flow-Time, Pressure-Volume and Flow-Volume waveforms at the touch of a button.

ICU quality ventilation

The PA 900B Adv. adapts Perlong Medical's patented ventilator technology to deliver versatile proven high quality ventilation performance.



VENTILATION MODES:

- Controlled Ventilation
 - Pressure & volume
 - Comprehensive respiration control
- Assist/Control Ventilation
 - Steady dependable tidal cycling
- Intermittent Mandatory Ventilation
 - Precise rapid breath rescheduling
 - Synchronized & pressure-synchronized
- Pressure Support Ventilation
 - Adaptive proportional assistance
- Continuous Spontaneous Ventilation
 - Completely unassisted & patient driven
- Continuous Positive Airway Pressure
 - Multi-level pressure relief settings
- And More

Features You Can Relay On

3 section support arm

Mounted robust fully adjustable articulated support arm devised to provide greater stability and improved convenience.



Adjustable SH 330 humidifier

Adjustable 9 level professional medical humidifier, ensures smoother and more consistent gas nebulization.



Medical grade air compressor

The sturdy compact framework & insulated design are perfect for long clinical times and low noise environments.



Accessories & Other Components

Aside from its core components, the PA 900B Adv. also features an automated startup self-checking function, can reflexively convert to backup power mode during outages and comes equipped with an automatic self-calibrating sensor as well as an imported respiratory control valve for added efficiency.



Gas Connecting Tubes

Sturdy easily identifiable color coded gas connecting tubes.



Electronic Flow Sensor

Promotes more reliable, stable and rapid gas flow response times.



Gas Pressure Regulators

Industry standard cylinder style brass gas pressure regulators.



Medical Oxygen Sensor

Sturdy precision sensor for quick & accurate oxygen concentration readings.



Clear Breathing Masks

Comfortable lightweight reusable breathing masks, available in all sizes.



Breathing Circuit Tubes

Reusable breathing circuit tubes, available in adult, pediatric & neonatal lengths.

The PA 900B Adv. also includes a broad selection of other accessories for you to choose from:

- Manual breathing bag
- Disposable breathing masks
- Swivel wheel with brakes
- Battery
- Disposable circuit tubes
- Swivel wheel without brakes
- Power cords