

General Specifications

Patient type	Adult & pediatric patients
Dimensions (H x W x D)	115 cm x 65 cm x 50 cm
Weight	40 kg
Power	220-240 V, 50-60 Hz (well grounded)
Backup power	At least 30 minutes, nominally between 2 to 4 hours
Display	LED alphanumeric display

Ventilator

Tidal volume	Adjustable range: 50-1500 ml, Display range: 0-2000 ml
Respiratory rate	6-60 bpm
Inspiratory pressure limit	10-60 cmH2O
Ventilation modes	Manual, Assist/Control (A/C), Intermittent Positive Pressure Ventilation (IPPV), Synchronized Intermittent Positive Pressure Ventilation (SIPPV), Intermittent Mandatory Ventilation (IMV), Synchronized Intermittent Mandatory Ventilation (SIMV)
Minute volume	≥ 18 L/min BTPS
Trigger Sensitivity	Pressure: -4-10 cmH2O
SIMV Rate	1-12 bpm
Inspiration/Expiration ratio (I:E)	1:1.5-1:3.0
PEEP	1-10 cmH2O
Oxygen inlet pressure range	280-600 kPa
O2 concentration	45-100 %
SIGH	1 per 100 breaths (tidal volume set at 1.5 x)

Humidifier

Humidifier	9 level adjustable nebulization
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Other Specifications

Monitoring	Tidal volume, minute volume, control frequency, spontaneous respiration rate, airway pressure, I:E, inhalation & exhalation status, Inspiratory trigger & more
Alarm	Audible and/or visual alarms for tidal volume, airway pressure, power failure oxygen failure & more
Airway pressure warning	Upper limit: 0.9-5.4 kPa, Lower limit: 0.5 kPa

THRMEDICAL

PA 500 MEDICAL VENTILATOR

Superior Ventilation From Experience



Support

Diligence

Proficiency

# Comprehension At A Glance

The built-in high visibility LED alphanumeric 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 500, 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 user controls

The simple uncluttered intuitive user control panel of the PA 500 designed with ease-of-use, and practical functionality in mind, allows users to toggle between ventilation modes, PEEP levels, I:E ratios and other ventilation settings with the simple turn of a dial.

# THRMEDICAL

## ICU quality ventilation

The PA 500 adapts Pua Medical's patented ventilator technology to deliver versatile proven high quality ventilation performance.

### VENTILATION MODES:

- Intermittent Positive Pressure Ventilation
  - Standard & synchronized
- Intermittent Mandatory Ventilation
  - Precise rapid breath rescheduling
  - Standard & synchronized
- Assist/Control Ventilation
  - Steady dependable tidal cycling
- And More





## Finely tuned for performance

Dedicated to providing clinical quality mechanical ventilation, the PA 500 combines vast ventilation expertise with a no-frills user friendly approach.



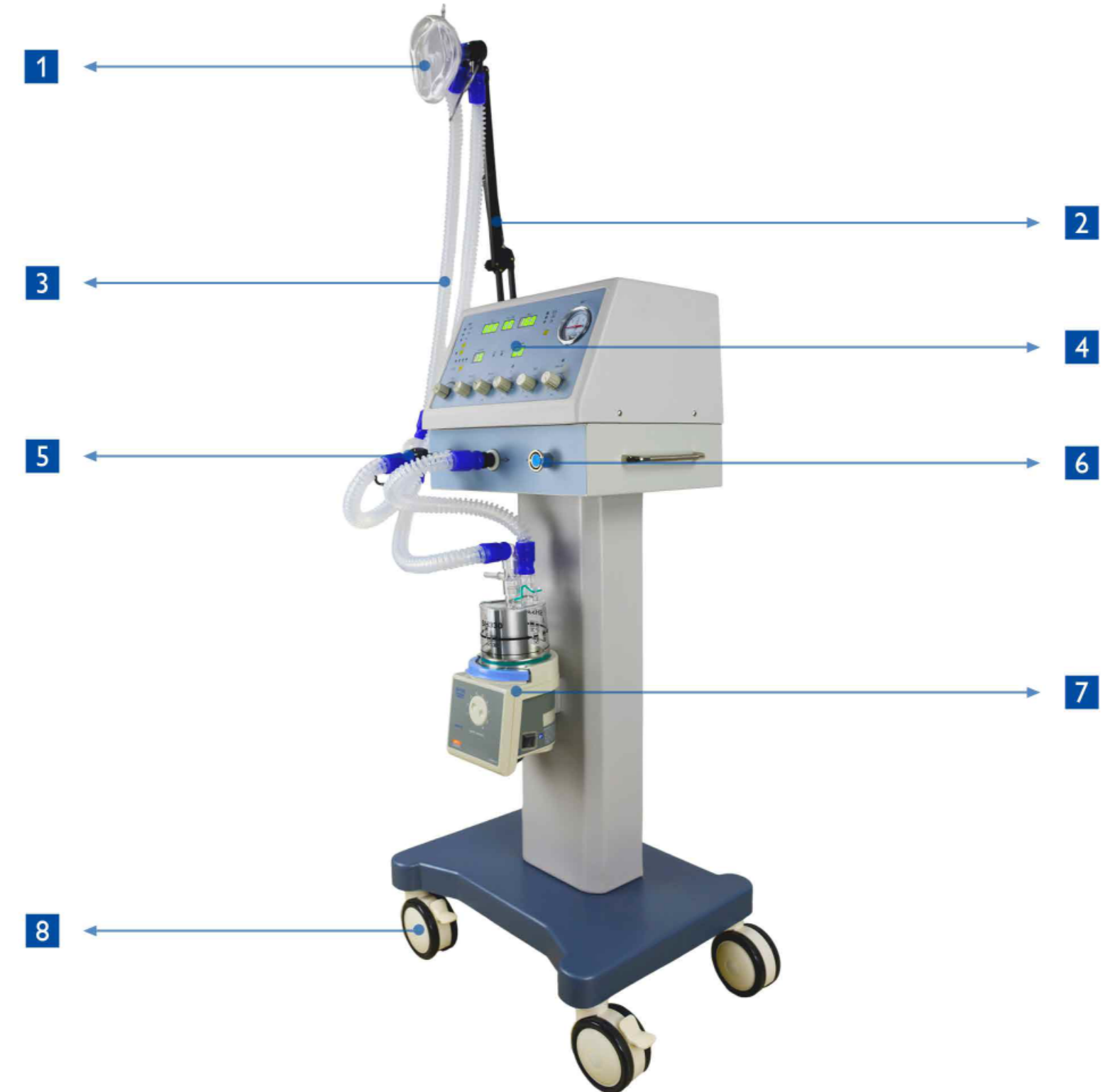
At THR Medical, we recognize the crucial role that mechanical ventilation plays in the complex world of modern healthcare. We understand there are numerous challenges ranging from raising patient throughput, medicinal shortages, cost overruns and the need to keep abreast of developments in an evolving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

Therefore, as modern healthcare environments become increasingly focused on providing more functionality. The challenges you face likewise also continue to grow, making it more and more difficult for you to administer ventilation solutions, that favors simple economy over needless extravagance.

With over 40 years of experience designing, developing and manufacturing anesthesia ventilation equipment, THR Medical understands your concerns, and we tailored the PA 500 to offer you a no-frills mechanical ventilator that is both simple and inexpensive.

## Promoting Excellence Through Design

Built from nonhazardous environmentally friendly material, the precisely constructed and elegantly designed PA 500 provides an ergonomic and easily movable mechanical ventilator that requires only the bare minimum of operating space.



- |                                                            |                                                   |
|------------------------------------------------------------|---------------------------------------------------|
| <b>1</b> Lightweight reusable clear breathing mask         | <b>5</b> Quick response infrared flow sensors     |
| <b>2</b> 2 section adjustable support arm                  | <b>6</b> Oxygen flush release                     |
| <b>3</b> Flexible easy-to-secure breathing circuit         | <b>7</b> 9 level adjustable humidifier            |
| <b>4</b> Built-in high visibility LED alphanumeric display | <b>8</b> Swivel wheels with caster contact brakes |



## Features You Can Relay On

### 2 section support arm

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



### Adjustable SH 330 humdifer

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

### Compact versatile design

The ergonomic lightweight frame and compact design choices allows for greater effectiveness & utility.



## Accessories & Other Components

Aside from it's core components, the PA 500 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.



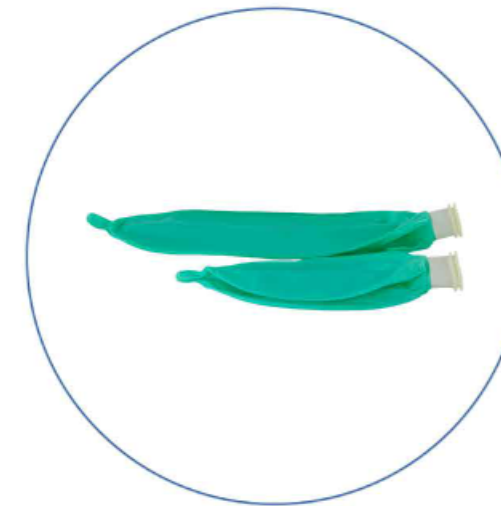
### Infrared Flow Sensor

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



### Gas Pressure Regulators

Industry standard cylinder style brass gas pressure regulators.



### Manual Breathing Bag

Robust rubber reservoir bag, available in adult and pediatric sizes.



### Clear Breathing Masks

Comfortable lightweight reusable breathing masks, available in all sizes.



### Breathing Circuit Tubes

Reusable breathing circuit tubes, available in adult and pediatric lengths.

The PA 500 also includes a broad selection of other accessories for you to choose from:

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