

# PV-3812

## Portable Ventilator



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

- Aerospace quality, professional technology, popular model
- Easy to take, dampproof, quakeproof and salt fog resistance
- Invasive, non invasive and manual ventilation in one machine
- Volume regulation, pressure limit, time switch, demonstrating the strategy of lung protection
- Inspiration halt, convenient for sucking phlegm and avoiding cross infection
- Driven mode: pneumatically driven and electrically controlled
- Three kinds of power supply: A/C, D/C and on vehicle power supply
- Application: adult & child

## ►► Ventilation Modes

Volume control : A/C  
SIMV  
A/C + SIGH  
Manual Ventilation  
SPONT  
NIPPV

## ►► Controlling Part

- Tidal volume (VT): 50ml~1500ml
- Minute Volume: 0~20L/min
- I/E Ratio: 1:0.3, 1:0.5, 1:0.7, 1:1, 1:1.5, 1:2, 1:2.5, 1:3, 1:3.5, 1:4
- Respiratory rate (f): 4~80bpm
- Limited pressure: 1kPa ~ 5kPa
- Trigger sensitivity: 2kPa ~ 2kPa
- Continuous current: 3 ~ 5LPM
- Manual inspiration halt: 20s
- Inhaled oxygen concentration: 48% ~ 100% consecutive adjustment
- Safety valve pressure limit: 5.1kPa ~ 6kPa

## ►► **Monitoring Part**

- LCD display
- Airway pressure waveform
- Inhaled tidal volume
- Minute Volume
- Total respiratory rate
- Peak airway pressure
- Trigger pressure
- AC/DC indication
- Could monitor all parameters and waveforms in manual mode

## ►► **Audible and visual alarm part**

- Upper and lower airway pressure limit
- Power supply failure
- Low charge of battery

## ►► **Others**

- Power supply: AC220V $\pm$  10%, 50Hz $\pm$  1Hz 12V on vehicle power supply
- Built in battery: provide a more than 2 hour power supply when power off
- Gas pressure: 0.25~0.6Mpa. Cylinder gas supply can work continuously for  $\geq 30$ min.

Ventilator compliance:  $\leq 40 \times 10^{-2}$  ml/Pa

## **Accessories**

### ►► **Standard configuration:**

- |                                       |        |
|---------------------------------------|--------|
| • Multi functional main machine frame | 1 set  |
| • Cylinder                            | 1 unit |
| • Oxygen bridge                       | 1 unit |
| • Spanner                             | 1 unit |
| • Accessories and accessories' bag    | 1 unit |
| • Dustproof bag                       | 1 unit |

### ►► **Optional**

- |                  |        |
|------------------|--------|
| • PEEP (0~1kPa)  | 1 unit |
| • Plug in module | 1 unit |

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

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