

AV900 Ventilator



The AV900 features a Patient Support Mode, Oxygen monitor and improved performance spirometry as standard

- ◆ Pressure Monitoring and Spirometry in all active ventilation modes
- ◆ Prima SP workstation connectivity
- ◆ Patient Support facility in Spontaneous Mode
- ◆ Spirometer with built in gas mixture compensation
- ◆ Tidal or Minute Volume
- ◆ Compliance loop display
- ◆ Continuously displayed expired volume improves patient safety
- ◆ 'Life-Care' or optional 'Life-Care Plus' Warranty and Customer Care scheme

Partnership for Life

Features

When each procedure demands precisely set parameters, you need an advanced ventilator that is easy to use. The AV900 is an efficient, compact and powerful multi-mode ventilator, combining an intuitive operating system with comprehensive and accurate monitoring systems that provide Patient Safety at all stages.

- ◆ Built-in Oxygen Monitor
- ◆ Prima SP workstation connectivity:
 - Auto mode switching linked to Absorber Bag/Vent control
 - On/Off control linked to anaesthetic machine
- ◆ Patient Support facility, in Spontaneous Mode, switches to Volume Ventilation if the apnoea alarm is triggered
- ◆ Selectable Tidal or Minute Volume
- ◆ Menu selectable language options
- ◆ Comprehensive data outputs for networking and interface to patient monitor
- ◆ Integrated Oxygen Monitor
- ◆ Accurate delivery for compatibility with low-flow anaesthesia procedures
- ◆ Touchscreen Control and Navigator Wheel
- ◆ Inverse I:E Ratio capability
- ◆ Electronic PEEP - accurate and convenient
- ◆ Super clear electro-luminescent screen
- ◆ Single Autoclavable Latex Free Bellows - suitable for Adult or Paediatric use
- ◆ Oxygen or Air drive gas, and 100 to 240 VAC, 50 to 60 Hz powered
- ◆ 60 minutes battery backup
- ◆ Display Waveform:
 - Pressure v. Time
 - Volume v. Time
 - Compliance Loop
 - Waveform Freeze

Life-Care

Life-Care is designed to give our customers after-sales peace of mind. 'Life-Care' consists of our comprehensive standard warranty and after-sales support package. 'Life-Care Plus' allows customers to purchase additional services and warranties to meet their particular needs.

For further details, please contact your Penlon Sales or Service Representative.

Technical Specification

| Physical | |
|---|---|
| Size | - Control Unit Only 150 x 240 x 300 mm (H x W x D) - with Adult Bellows 385 x 240 x 300 mm (H x W x D) |
| Weight | - Control Unit Only 7.6 kg - with Adult Bellows 9.0 kg |
| Bellows (Latex free) | 20 to 1600 ml, Paediatric option 20 to 350 ml |
| Power | 100 to 240 VAC, 50 to 60 Hz |
| Drive Gas | Oxygen or Air |
| Alarms | |
| Alarm Mute | 30 seconds |
| Low and High O₂ Concentration | 18% to 105% |
| Low Drive Gas Pressure | Less than 235 kPa (34 psi) |
| High Airway Pressure | 10 to 70 cmH ₂ O adjustable |
| High Continuous Airway Pressure | Above 30 cmH ₂ O at start of cycle |
| Low Pressure | 4 to 14 cmH ₂ O PEEP referenced |
| Low Tidal Volume | 50% of Volume set (Spirometry) |
| Incorrect Rate or Ratio | |
| Mains Failure | 60 Minutes Battery Backup |
| Low Battery | 5 Minutes Use |
| Vent Inop | Internal or Battery Failure |

| Functional | |
|-------------------------------|--|
| Tidal Volume (Vt) | 20 to 1600 ml |
| Rate (BPM) | 4 to 100 bpm |
| I:E Ratio | 1:0.3 to 1:8 |
| Pressure Limit | 10 to 80 cmH ₂ O |
| Fresh Gas Compensation | Automatic Tidal Volume Adjustment |
| Modes | Off, Standby, Volume Cycle, Spontaneous, Pressure Controlled ventilation |
| Pressure Control | 10 to 70 cmH ₂ O |
| Spontaneous Mode | Active Volume and Pressure Alarms, Patient Support Function - Automatic switch to Volume Cycle Mode if apnoea alarm is triggered |
| Electronic PEEP | 4 to 30 cmH ₂ O |
| Oxygen Monitor | Fuel Cell type |

Partnership for Life

Penlon's philosophy embraces commitment to a successful, long term relationship with all our customers



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Penlon Limited reserves the right to change technical specification without prior notice.

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