

AV800 and AV80 Anaesthesia Ventilators



Advanced ventilators that combine excellent design, high specification, ease of use, and multi-mode function

- ◆ Compliance compensation
- ◆ IEEE data output and data print-out facility
- ◆ Suitable for adult or paediatric use
- ◆ Oxygen or air powered
- ◆ 60 minute battery backup
- ◆ 'Life-Care' or optional 'Life-Care Plus' Warranty and Customer Care scheme

Partnership for Life

Features

- ◆ **Multi-mode function (volume, pressure control and spontaneous), inspiratory pause and inverse I:E ratio** - provides the anaesthetist with a wider range of solutions in his choice of the appropriate therapy for the patient
- ◆ **Compliance compensation** - accurate volume delivery with all breathing circuits
- ◆ **Data print-out facility** - comprehensive patient record keeping facility
- ◆ **Improved spirometry system** - accurate, trouble-free confirmation of patient tidal volume (AV800 only)
- ◆ **Single Autoclavable, Latex Free Bellows** - suitable for adult and paediatric use
- ◆ **IEEE Data Outputs** - for data integration
- ◆ **Oxygen or Air Powered** - flexible specification to match hospital supply
- ◆ **60 Minutes Battery Backup** - patient safety ensured in the event of power failure



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 235 x 300 mm (H x W x D)
	- with Adult Bellows	365 x 235 x 300 mm (H x W x D)
Weight		8.75 kg
Bellows (Latex Free)		50 to 1600 ml
Bellows Covers		Twist Lock to Base
Power		90 to 250 VAC, 47 to 63 Hz

Functional	
Tidal Volume (Vt)	50 to 1600 ml
Rate (BPM)	4 to 60 bpm
I:E Ratio	1:0.3 to 1:6
Pressure Limit	10 to 70 cmH ₂ O
Fresh Gas Compensation	Automatic Tidal Volume Adjustment
Ventilation Modes	Off, Standby, Volume, Pressure, Spontaneous
Pressure Control	10 to 70 cmH ₂ O
Spontaneous Mode	Active Volume/Pressure Alarms

Audio Visual Alarms	
Alarm Mute	30 Seconds
Low Drive Gas Pressure	Less than 235 kPa (34 psi)
High Airway Pressure	10 to 70 cmH ₂ O adjustable
High Continuous 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 Minute Battery Back Up
Low Battery	5 Minutes Use
Vent Inop.	Internal or Battery Failure

Partnership for Life

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

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