

# AM70 Veterinary Anesthesia Machine

Turbine driven ultra-compact anesthesia machine



### Turbine driven

- Tidal volume 5-1500ml,  $\pm$  4ml or 10% whichever is larger
- Oxygen saving and provide small animals anesthesia

### Integrated design

- Built-in bellows and breathing circuit
- Space saving

### Three Installations

- Desktop, wall mounted, and trolley mounted installations
- Flexible configuration and cost savings

### Large touch screen

- 10 inch TFT, capacitive touch screen
- Simultaneous display of multiple waveforms and 6 parameters; Intuitive and convenient operation

### AC output

- Two AC power outputs
- Facilitate collaboration with other devices

### Gas monitoring

- Optional configuration for CO2 and anesthesia gas monitoring
- Safer anesthesia

## AM70 Veterinary Anesthesia Machine Specifications

| Physical Specifications           |                                                                                       |
|-----------------------------------|---------------------------------------------------------------------------------------|
| Deimension                        | Without stand: 666mm X 421mm X 274mm<br>With stand: 1500mmX487mmX537mm                |
| Weight                            | ≈28kg (include stand,vaporizer and other accessoies)                                  |
| Maximum load on top               | 10kg                                                                                  |
| Handle                            | Single handle, located in the middle of the top                                       |
| Environmental Specifications      |                                                                                       |
| Work environment                  | Temperature: 10~40 ; Relative humidity 15%~95%;                                       |
| Storage environment               | Temperature:-20~60 ; Relative humidity: 10%~95%;                                      |
| Display                           |                                                                                       |
| Display screen                    | 10.1 inch touch screen, 1280X800 resolution                                           |
| Power Specifications              |                                                                                       |
| Input voltage                     | 100V-240V, 50Hz/60Hz                                                                  |
| Battery type                      | Lithium Ion Battery, 14.8V, 5000mAh                                                   |
| Minimum battery power supply time | 120 minutes (using a fully charged new battery under standard operating conditions)   |
| Output specifications             | 2 AC outputs, 100V-240V/1.8A~0.9A, 50Hz/60Hz                                          |
| Circuit System Specifications     |                                                                                       |
| Source gas                        | Compressed oxygen/compressed air/oxygen                                               |
| Gas pressure range                | 280-600kpa/40-87psi                                                                   |
| Port type                         | NIST/DISS                                                                             |
| Gas pressure gauge                | 0-1Mpa/0-140psi                                                                       |
| Air source safety valve           | Built in                                                                              |
| Flow meter adjustment             | 0-4L/min                                                                              |
| Vaporizer tank base               | Single tank position Selectatec                                                       |
| Respiratory System Specifications |                                                                                       |
| Manual breathing bag              | Coaxial 22mm (OD) / 15mm (ID)                                                         |
| Inspiratory Valve Port            | Coaxial 22mm (OD) / 15mm (ID)                                                         |
| Expiratory Valve Port             | Coaxial 22mm (OD) / 15mm (ID)                                                         |
| ACGO Port                         | Coaxial 22mm (OD) / 15mm (ID)                                                         |
| AGSS Port                         | 30mm outer conical joint                                                              |
| Airway pressure                   | -20cmH2O~100cmH2O                                                                     |
| APL valve                         | Adjustment range: 0 ~ 70cmh2o, with one key closing                                   |
| CO2 Absorber Canister             | Volume 1400ml                                                                         |
| Options                           |                                                                                       |
| Ventilation modes                 | PCV, SIMV                                                                             |
| Source gas                        | Dual gas source/oxygen concentrator                                                   |
| Installations                     | Wall mounted                                                                          |
| Trolley & extension               | SD70 trolley, oxygen concentrator platform, Single/Dual E                             |
| Monitoring modules                | Mainstream/sidestream CO2 monitoring;                                                 |
| Disposable accessories            | Large, medium and small breathing circuits, Bain breathing circuit, anesthesia masks, |
|                                   | Laryngoscope, anesthesia gas filter canister, cylinder regulator, tracheal intubation |

| Ventilator Specifications               |                     |
|-----------------------------------------|---------------------|
| Driving method                          | Turbine             |
| Ventilation modes                       | VS, VCV, PCV, SIMV  |
| Parameter                               | Setting Range       |
| Tidal volume (Vt)                       | 5ml-1500ml          |
| Inspiratory pressure (Pinsp)            | 5cmH2O-50cmH2O      |
| Support pressure (Psuppl)               | 3cmH2O-50cmH2O      |
| Positive end expiratory pressure (PEEP) | OFF, 3cmH2O-30cmH2O |
| Respiratory Rate (RR)                   | 2bpm-60bpm          |
| Minimum respiratory rate (Min RR)       | 2bpm-60bpm          |
| Inspiratory to expiratory ratio (I:E)   | 4:1-1:8             |
| Inspiratory time (Tinsp)                | 0.2S-10.0S          |
| Trigger pressure (P-Trig)               | -20cmH2O~-0.2cmH2O  |
| Trigger flow rate(F-Trig)BTPS condition | 0.2L/min-15L/min    |
| Parameter name                          | Monitoring scope    |
| Tidal volume (Vt)                       | 0ml-3000ml          |
| Minute ventilation volume (MV)          | 0L/min-100L/min     |
| Peak Airway Pressure (PEAK)             | -20cmH2O~100cmH2O   |
| Positive end expiratory pressure (PEEP) | 0cmH2O-70cmH2O      |
| Respiratory Rate (RR)                   | 0bpm-120bpm         |
| Inspiratory to expiratory ratio (I:E)   | 20:1-1:20           |