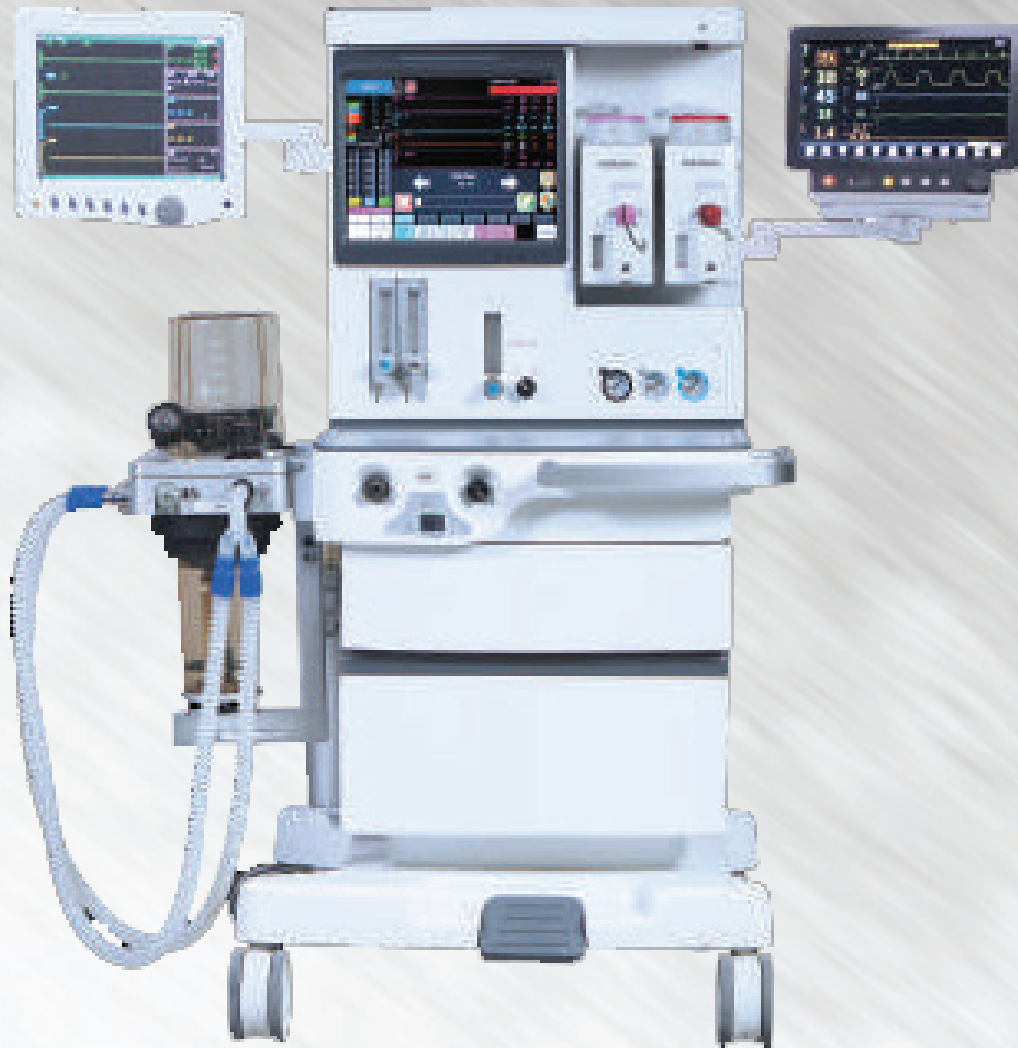




ESV-700A

Anesthesia machine
Adult-Pediatric



OPERATING THEATRE



APPLICATION

The Anesthesia machine makes a good performance in Intensive Care Units (ICU), Operation room, Anesthesiology Department and other departments.

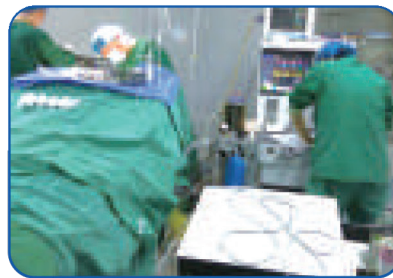
Professional design for adult, children and neonatal inhalation anesthesia and respiratory management, with advanced ventilation modes.

Outstanding ergonomic design, it ranks high level in safety, stability and convenience as well as user experiences.

This latest model with the highest technology, more comfortable for doctors and more safety for patients.

TRUST POINT

- Patient Centered Ventilation: Precision in an anesthesia ventilator, from conventional ventilation to advanced modes and adapt to wide range patient.
- Safty design: Vaporizer with temperature, pressure, flow compensation and self-lock function. Real time pressure-time, flow-time loop, oscillogram and high precision ET_{CO2}, O₂ concentration detection function included.
- Alarm: 13 alarms to make sure the safety. Three level alarm system, visual and sound alarm information.
- Built-in battery ensure 2-3 hours using when power failure.
- Visible self-checking system: Make sure the safety of all parts.
- Before setting parameters, choose freely type of patients: adult, children and neonatal. Also preset the age of patient.
- Separate design of electric circuit and gas circuit ensure long using life.
- Language: 8 languages for exchange including Chinese, English, Spanish, French, Russian, Turkish, German, Portuguese.





SPECIFICATION

15" TFT LCD touch screen

Extra-large screen, high sensitivity touch give you better operating experience. Displays the Ventilation parameters, Alarm information and Oscillograms.

Built-in electronic flowmeter

High precision flowmeter, instantly know the fresh gas flow to your patient. O₂ and N₂O linkage device ensure O₂ concentration no less than 25%.

O₂ and air supply

Provide fresh oxygen or air to the patient for independent use.

Breathing circuit and bellow

Integration breathing circuit and bellow design, ensure easy operating and keep tidy. With bypass and heating function.

Oxygen concentration detector

Real-time monitoring of oxygen concentration for safety.

APL valve

Decompression automatic to ensure safety.

CO₂ absorber 1.5L

With bypass function and heating function, can be directly disassembled and replaced the Soda Lime during operation. Make sure the comfort level of patients and also avoid backflow of condensate water.

LED top light

Convenient for endoscopy operation.

Vaporizer

Accurately delivers a calibrated flow, Halothane, Enflurane, Isoflurane, Sevoflurane for choice. Suitable for low flow anesthesia, save cost.

Mechanical flowmeter

Emergency situation and spare-use for doctor.

Pressure gauge

Real time pressure.

Handle

Easy and safety transport.

ACGO and fast oxygen supply

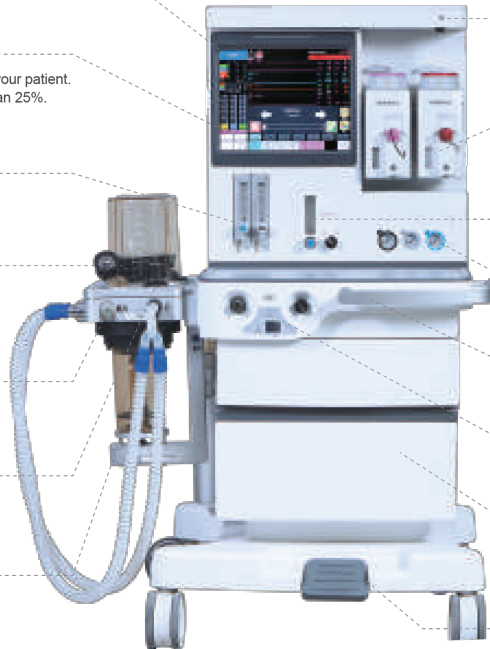
Emergency situation and revival after operation.

Drawer

2 drawers with large capacity.

Pedal and central brake system

User friendly design convenient for keep the machine stable.



6 auxiliary plugs

Plugs of monitors can be inserted.

VGA RS232 USB connector and ETCO₂

Connect with hospital's system and output patient information. End-tidal carbon dioxide concentration monitoring, real-time understanding of the state of the patient.

AGSS (optional part)

To enhance the safety of the environment in which members of staff in close proximity with waste anesthetic gases and vapors (agents) work.



Other optional parts

Anesthetic gas monitor, Vital signs monitor: Real-time monitoring of anesthetic gas and patient's physiological condition.





TECHNICAL SPECIFICATION

Ventilation mode

P-CMV, V-CMV, P-SIMV, V-SIMV, PSV, PRVC, SIGH, MANUAL

Ventilator parameter range

Tidal volume(Vt): 0, 10 mL ~ 1500 mL
 Frequency(Freq): 4 /min ~ 100 /min
 I:E: 4:1 ~ 1:10
 PEEP: 0 cmH2O ~ 30 cmH2O
 Rapid oxygen supply: 25 L/min ~ 75 L/min
 Pressure trigger: -1 cmH2O ~ -20 cmH2O
 Flow trigger: 0.3 L/min~1 L/min ~ 15 L/min
 Pressure support: 3 cmH2O ~ 50 cmH2O
 Pressure limit: 10 cmH2O ~ 100 cmH2O
 Inspiration apnea: OFF, 5 % ~ 60 %
 Inspiration time: 0.2 s ~ 5 s
 Trigger: 5 % ~ 95 %
 SIMV frequency: 4 /min ~ 60 /min
 Rise time: 0 s ~ 2 s

Oscillogram

P-T (pressure-time)
 F-T (flow-time)
 V-T (volume-time)
 ETCO2 -T (ETCO2 -time)
 P-V loop (pressure-volume loop)
 F-V loop (flow-volume loop)
 F-P loop (flow-pressure loop)

Packing size

Wooden case packing size(LxWxH): 870x1000x1600mm
 G.W.: 240 KG
 N.W.: 165 KG
 CBM: 1.392 m3

Testing

-Automatic leakage compensation testing
 -Patient circuit leakage compensation and automatic compliance compensation
 -Patient monitor and AG monitor can be equipped
 -Manual ventilation, mechanical ventilation and standby
 -Oscillogram: P-T, F-T, V-T, Lung function loop, ETCO2
 -Self-testing visible
 -Alarm visible
 -ACGO function
 -P-CMV, V-CMV, P-SIMV, V-SIMV, PSV, PRVC, SIGH, MANUAL

Monitoring parameter

Frequency (Freq): 0 /min ~ 100 /min
 Tidal volume (Vt): 0 mL ~ 2500 mL
 Minute volume: 0 L/min ~ 99.9 L/min
 Oxygen concentration: 15 % ~ 100 %
 Airway pressure: -20 cmH2O ~ 100 cmH2O
 Inspiration platform pressure: 0 cmH2O ~ 100 cmH2O
 PEEP: 0 cmH2O ~ 70 cmH2O
 I:E: 4:1 ~ 1:10

Alarm and protection

VT upper limit: 5 mL ~ 2000 mL
 VT lower limit: 0 mL ~ 1995 mL
 MV upper limit: 0.1 L/min ~ 100 L/min
 MV lower limit: 0.0 L/min ~ 99.9 L/min
 Respiration frequency upper limit: 2 /min ~ 100 /min
 Respiration frequency lower limit: 0 /min ~ 98 /min
 FIO2 upper limit: 20 % ~ 100 %
 FIO2 lower limit: 18 % ~ 98 %
 Airway pressure upper limit: 2 cmH2O ~ 100 cmH2O
 Airway pressure lower limit: 0 cmH2O ~ 98 cmH2O
 Apnea: 20 s ~ 40 s
 Oxygen concentration never lower than 25% when N2O start.



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