



# ES-8300A

## Anesthesia Machine



OPERATING THEATRE



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# ES-8300A



## Anesthesia Machine



- PCV and SIMV+PS modes ensure flexibility in ventilation, machine doable for both pediatric and adult operation
- Optional monitoring functions, CO2 and anesthetic gas
- Flowmeter provides minimum 25% concentration of oxygen in O2 /N2O mixture
- Breathing system easy to remove and clean, fully autoclavable, optional CO2 bypass
- Enhances usability with auxiliary oxygen, suction, auxiliary power source, monitor arm, infusion pump etc.
- CE marked to meet EU clinical requirements



## Technical Features

### Ventilator Specifications

Driven Mode	Pneumatic and electronic driven
Patient Types	Adult and Paediatric > 2kg
Ventilation Modes	IPPV, PCV, SIMV+PS, PS, Manual
Setting Modes	Touch key & navigator wheel knob
Tidal Volume	20~1500ml
Ventilation Frequency	4~100bpm
I:E Ratio	4:1~1:8
Pressure (inspired)	5~70cmH2O
Pressure (support)	3~50cmH2O
PEEP	Off, 3~30 cmH2O
Tslope	0~2s
Inspiratory Plateau	Off, 5%~60%Ti
Trigger Sensitivity	1~15L/min
Compensation	Compliance and leakage, fresh gas., altitude
Display	10.4" TFT color screen
Pressure	Paw, Ppeak, Pplat, Pmean, PEEP
Volumes	MV, Vt, Freq
Gas	FiO2, optional: CO2, AG, MAC
Graph Display	P-t, F-t, P-V, F-V and optional CO2-t
	High Airway Pressure/Low Airway Pressure
	Sustained airway pressure
	High Minute Volume/Low Minute Volume
Alarm	High FiO2/Low FiO2
	High Breath Rate
	O2 Supply failure
	Power failure
	Apnea Alarm
	Alarm Silence: 110 seconds

### Vaporizer

Support two vaporizers	
Agent	Halothane, Enflurane, Isoflurane, Sevoflurane
Installation Mode	Selectatec® with interlock, optional standby vaporizer parking holder
Filling Type	Pour Fill, Key Fill, Quik-Fil

### Breathing System Specifications

Operational Modes	Closed, Semi-closed, Semi-open
CO2 Canister	2 Loose fill (3L) or 2 prepacks, optional single canister
APL Range	Spontaneous breathing(SP)-70cmH2O
Material	Autoclavable (except O2 cell and mechanical pressure gauge)
Heating system	Optional
CO2 bypass	Optional

### Pneumatic Specifications

Gas Supply	Air, O2, N2O; 280kPa ~ 600kPa O2 Range: 0~1L/min; 1~10L/min N2O Range: 0~1L/min; 1~10L/min Air Range: 0~1L/min; 1~12L/min Auxiliary O2 Range: 0 ~12L/min Flowmeter backlight
Flowmeters	Oxygen supply failure alarm Oxygen supply failure protection O2 flush: 25~75L/min
Gas System	ACGO AGSS
ACGO	Optional auxiliary common gas outlet
AGSS	Optional anesthetic gas scavenging system

### Electrical Specifications

Mains	100~240V AC, 50/60Hz
Battery	24V 4Ah, minimum 120 min
Outlets	3 on back, 1.5A individual

### Physical & Environment Specifications

Dimensions	704×1403×750mm (W×H×D)
Weight	100kg (basic unit)
Operation Temperature	+10~+40°C
Operation Humidity	≤80% (non condensing)
Storage Temperature	-20~+60°C
Storage Humidity	≤95% (non condensing)



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