SK-EH203

ANESTHESIA MACHINE

SKSurgitech™
by Saikang Medical

Care you precisely

SK-EH203

FEATURES
AND HIGHLIGHTS

Function: Provide oxygen, administer anesthesia through inhalation, and manage the patient's respiration during anesthesia for patients undergoing surgery. Equipped with precise specialized anesthesia vaporizers, safety devices to prevent hypoxia, and necessary alarm systems, a computer-controlled pneumatic-electric synchronized anesthesia ventilator can be used to manage the patient's respiratory function during anesthesia. All connecting components of the machine use standard interfaces, and a high-efficiency, large-volume soda lime absorber minimizes the repeated inhalation of carbon dioxide gas by the patient.

Work environment requirements:

●Environment temperature: 10~40°C

●Relative humidity: not more than 80%

●Atmospheric pressure: 86kPa~106kPa

●Gas requirements: Medical oxygen: input

●Pressure range: 280kPa600kPa, rated working pressure: 400kPa;

●Medical nitrous oxide: input pressure range: 280kPa600kPa, rated working pressure: 400kPa;

●Power requirements: AC220V 50Hz, input power: 100VA, and a well-protected grounded single-phase AC power supply.

●Fuse specifications: Mains power section: RF1-20 F2AL250V; emergency battery: 5RF/F5AL250V.

●Emergency battery specifications: DC 14.8V 2.2AH.

Gas requirement：

The maximum error of the pressure gauge cannot exceed ±4% of full scale.

Oxygen and nitrous oxide are each equipped with specialized pressure regulators with safety valves. The safety valve exhaust pressure is not greater than twice the rated input pressure.

The flowmeter is equipped with an oxygen-nitrous oxide ratio control device to ensure that the oxygen concentration is not less than 25%.

Working principle：Providing accurate and adjustable mixed anesthesia gas to patients through mechanical circuits, delivering anesthetic drugs into the patient's alveoli to create an anesthetic gas partial pressure that diffuses into the bloodstream and directly suppresses the central nervous system, resulting in general anesthesia, while simultaneously delivering fresh gas to the patient's body.

Technical parameters

▪	Dimension(Size)	1440mm×610 mm×700 mm
▪	Gross weight	125 kg
▪	Operating mode	Cycle closed, semi-closed, semi-open.
▪	Applicable air source	Both O2 and N2O are 0.28～0.6 Mpa
▪	Oxygen, nitrous oxide flowmeter value range	0.1L／min～10L／min
▪	Rapid oxygen supply flow	25L／min～75L／min
▪	Anesthetic gas concentration adjustment range 0 to 5%, the concentration error is between -20% and +30%, or it cannot exceed -5% to +7.5% of the maximum scale.	
▪	Oxygen supply pressure low alarm Alarm when the oxygen supply pressure is less than 0.2MPa.	
▪	Ventilation mode	IPPV、SIPPV、SIMV、MANUAL
▪	Waveform	pressure-time wave, flow velocity-time wave
▪	Tidal volume	50—1500ml
▪	Frequency	2—99 times/min
▪	Respiratory quotient	2：1—1：8

Technical configuration

☑ Anesthesia respiratory pipeline

☑ Live petal hood

☑ Respiratory extension tube

☑ Storage airbag

☑ Mask

☑ Headband

☑ Fuse

☑ Sealing ring

Optional

☐ Oxygen concentration sensor
　Replace after 1500000 hours of O2% or when depleted.

Other
●12 types of ventilation parameters monitoring
●5 types of alarm systems
●5.7-inch screen

Design

It combines modern technology and has strong practicability. Excellent performance and comprehensive functions. Both adults and children can use it.

Material

The new ABS engineering plastic material has a consice and beautiful appearance and is easy to clean.

Display screen

The high-definition LCD screen displays real-time respiratory condition, and the parameters are clear at a glance.

Caster

4*2.5 inch medical silent casters with 2 wheels and brakes.

Flowmeter

High-precision flow control system realizes micro-flow anesthesia operation and ensures the safety of low oxygen concentration and nitrous oxide.

Anesthesia evaporator

High-precision evaporator with stable output concentration. It has temperature, flow, and pressure compensation functions, and the evaporation concentration adjustment range is 0-5 vol%. Users can choose one or two combinations of fluorine, sevoflurane, isoflurane, and desflurane, which are interlocked. Original imported Palyon and Drager evaporators are available for users to choose.

Anesthesia respiratory circuit

Professional design of integrated anesthesia respiration circuits and ventilators, which transmit the anesthesia gas mixture to the patient while allowing the patient to respire normally through the system (absorbing oxygen and expelling carbon dioxide). Adult ventilators, pediatric ventilators, pediatric respiration circuits are available for users to choose.

Pressure meter

High-quality pressure meter, accurate reading, the maximum error of the pressure meter can not exceed ± 4%

Rapid oxygen supply

With the function of rapid oxygen supply, oxygen will directly enter the anesthesia respiration circuit's reservoir bag through the fresh gas outlet. The rapid oxygen supply flow rate is 25L/min to 75L/min.

Drawer

The drawer is convenient for storage such as documents and accessories.

CONSTANT
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Service

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Company video

General catalogue