

MCS0165 Anesthesia Unit Spec Sheet



MCS0165



Prospective service and support

This MCS0165 Anesthesia Machine is equipped with an accurate dedicated anaesthetic vaporizer and a safety device for preventing cyanosis and necessary alarm system. During the anesthesia, the patient's respiratory functions can be managed by using a microcomputer controlled pneumatic electrically controlled synchronizing anesthesia respirator. Each connection part of the whole machine is a standard interface. A highly efficient and large volume soda lime absorber can minimize the re-inhalation of carbon dioxide by the patient.

The automatic conversion for standby power while AC power outage, keep working not less than 1 hour



Na Lime Tank: Equipped with international advanced one-piece soda lime cans, it can be fast replaced with hands and withstand temperatures up to 134°C

Circuit: Metal integrated breathing circuit, Perfect function of gas sealing under high temperature disinfection, and easy to cleaning and disinfected.



Flowmeter: 4-Tubes flowmeter;
1. Assure that O2 output not lower than 20%
2. N2O automatically off while O2 deficiency

Display & Operating Interface:
5.4" LCD Display Screen, can feedback patient data
Shuttle button: More accurate



Vaporizers: Enflurane/ Isoflurane/ Sevoflurane(Option: Halothane)

Setting Range: 0.5~5%

TECHNIQUES SPECIFICATIONS	
Physical specifications	
Screen:	5.4" Display Screen
Suitable	Adult & Child
Mode:	pneumatically powered and electrically controlled system
Working Mode:	Closed; Semi-Closed; Semi-Open
Circuit	Breathing circuit integrated standards
Tube:	4Tubes Flowmeters: O2:0.1~10L/Min, N2O:0.1~10L/Min
Trolley:	Fitted with 4 nos anti-static rubber castors; two of which are lockable for braking and easy maneuverability with foot operated brake provisions
Drawer unit	Two drawer totally extractable
Technical Specifications:	
Gas requirement:	Medical oxygen and nitrous oxide with a pressure ranging from O2: 0.32~0.6MPa ; NO2: 0.32 MPa to 0.6 MPa.
safety valve	<12.5 kPa
Respiratory Rate	1~99bpm
Flow meter	O2:0.1~10L/Min, N2O:0.1~10L/Min
oxygen concentration in the mixed gas N ₂ O/O ₂	> 21%
Oxygen Flush:	25~75 L/min
modes of ventilation	A/C, IPPV, SIPPV, IMV, SIMV, MANUAL
I/E Ratio:	4:1 ~ 1:10, Has the inverse ratio ventilation
Tidal Volume	0~1500ML
Inspiratory trigger pressure	-0.1kPa~1.0kPa
Inspiratory Plateau:	0~1s
O2 Concentration:	21%~100%
Maximum safety pressure:	≤ 12.5 kPa

Pressure limit range:	0 ~ 6.0 kPa
Airway pressure alarm: Audible and visual and with yellow and red color indicating	Lower: 0.2kPa~5.0kPa; Upper: 0.3~6.0 kPa
	±0.2 kPa
Tidal volume alarm: Audible and visual and with yellow and red color indicating	upper alarm: 50 to 2000ml, lower alarm: 0~1800ml
Power Supply Alarm	Ac/dc power supply are after failing to send out alarm immediately Alarm Time: keep >120s
The airway pressure continues to be higher than 15 hPa ±1 hPa for 15s±1s, then the machine will raise an audible alarm, the pressure will be displayed in red and the continuous high pressure red alarm wording is displayed on the screen of the anesthetic respirator.	
Operating conditions	
Ambient temperature:	10 ~ 40°C
Relative humidity:	no higher than 80 %
Atmospheric pressure:	860 hPa ~ 1060 hPa
Power requirement:	100-120 Vac, 50/60 Hz;
Air source requirement:	Medical oxygen and laughing gas with a rated pressure ranging from 0.3 to 0.5MPa.
Attention: the AC power supply used for the anesthesia machine must be well grounded.	
Attention: the anesthesia machine used must be equipped with a carbon dioxide monitor complying with ISO 9918:1993, an oxygen monitor complying with ISO 7767:1997 and an expiratory gas volume monitor complying with 51.101.4.2 of Medical Electrical Equipment Part II: Special Requirements for Safety and Basic Performance of Anesthesia System.	
Storage	
Ambient temperature:	-15°C ~ +50°C
Relative humidity:	no higher than 95 %
Atmospheric pressure:	86 kPa ~ 106 kPa.
	It should be stored in a room without corrosive gas and well ventilated
Package	
packaging box	comply with the requirement of GB/T 15464
	Between the packaging box and product, soft material with appropriate thickness provided to prevent loosening and mutual friction during transportation
	Moisture protection and rain protection to ensure that product is protected from natural damage.
Safety & Alarm	
Oxygen Alarm	It alarms when the oxygen supply from pipe or cylinders lower than 0.2MPa
Ventilation Volume Alarm	Lower: 0~12L/Min; Up: 18L/ Min
Power Alarm	It Alrms while AC and DC supply failure ; Keep alraming time: >120s
Air Tract Pressure Alarm	Lower: 0.2kPa ~5.0 kPa; Up: 0.3kPa ~ 6.0kPa
Accessory List	
No	NAME
1	Main unit
2	4-tube flow meter
3	Patient circuit(Na lime tank)
4	bellows
5	vaporizer x2
6	Oxygen transport pipe
7	Flowmeter sensor
8	Oxygen pressure reducer
9	anaesthetic reservoir bag (Blue) x2
10	Threaded pipe x4
11	Mask (Silicom) x2

12	Y pipe
13	Battery
14	Power wire
15	Tools Attachment
16	Tail gas absorber x2
17	User Manual (English Version)