ATESE:





ACESO ANESTHESIA MACHINE

TECHNICAL SPECIFICATIONS				
Dimensions Of the Complete Machine				
Size	773.5mm*1370mm*598mm			
Weight	90kg (standard configuration) (without anaesthesia evaporator and gas cylinder)			
Top Plate	The state of the s			
Maximum supporting capacity	Maximum load-bearing of top plate is350kg			
Operational dimensions	508mm*235mm			
Workbench				
Maximum supporting capacity	Maximum supporting capacity of workbench is 20kg			
Operational dimensions	465mm*275mm			
Handrail				
Length dimension	412mm			
Drawers				
Drawers	416mm*395mm*170mm			
Gas-Bag Sway Brace				
Size	Length: 320mm			
	Height: 240mm			
Caster Wheels				
Caster wheel	4 wheels 5 inch,			
Display Screen				
Туре	TFT LCD, allowing touch control			
Size	8.4 inch			
Resolution	800×600 pixels			
Features				
Anesthesia process	Open, semi closed, closed circuit.			
Patients	tients Designed for adult, pediatric and neonate			

1	All interfaces for setting measurement included, RS 232, RJ-45 interface, USB			
Interface	port			
Mode	Standby mode available			
Compliance	Compliance Correction			
Configuation	Possibility of configuration observation			
Monitoring	Include monitoring function according EN-740			
Ventilator Specification				
Ventilation Modes				
Volume-Controlled Ventila	tion(VCV/VC) with tidal volume compensation			
Pressure Control Ventilation	n (PCV/VPC)			
Synchronized Intermittent Mandatory Ventilation (SIMV/VACI) (volume and pressure),(SIMV-VC,SIMV-PC)				
Pressure Regulated Volume	Control (PRVC)			
Pressure Support Ventilation	n(PSV)			
Manual and automatic venti	lation			
Ventilation principle	Chronometric, volumetric and barometric			
Ventilation	Electronically controlled electrically or pneumatically driven			
Ventilation Parameter	Ranges			
Monitoring parameter	Tidal volume, Inspiratory, expiratory flow, minute volume, frequency, pressure(Pmean, Pplat, Ppeak), Oxygen, CO2, N2O and halogenated expiratory concentration, Pressure, oxygen, CO2, N2O and Halogen numerical values, pressure, volume and flow curve, compliance and patient resistance			
Tidal volume range	15~1500 ml			
Incremental settings	20~100ml (increments of 5 ml)			
	100~300 ml(increments of 10 ml)			
	300 ~1500 ml (increments of 25 ml) 5~70 cmH2O			
Pressure (inspired) range	increments of 1 cmH2O			
0000 81 18	10~100 cmH2O			
Pressure (limit) range	increments of 1 cmH2O			
	3 to 60 cmH2O			
Pressure (support) range	increments of 1cmH2O			
Rate range	4~100 bpm			
	increments of 1 bpm (VCV, PCV)			
	4~60 bpm			
	increments of 1 bpm (SIMV, PSV)			
Inspiratory/Expiratory	4:1~1:10 adjustable			
ratio (I:E) range	increments of 0.5 (VCV, PCV)			
Trigger	0.5 to 15 1 / min			

Frequency	4 to 100 C / min minimum		
Positive End Expirato	ry Pressure (PEEP)		
Туре	Integrated, electronically controlled		
Sincil	OFF, 4~30 cmH2O		
Range	increments of 1 cmH2O		
Ventilator Performan	ce		
Pressure range at inlet	0.28~0.6 MPa		
Peak gas flow	100 L/min plus fresh gas		
Flow valve range	1 to 100 L/min		
Flow compensation rage	200 mL/min to 15 L/min		
Ventilator Monitoring	3		
MV(Per-minute ventilation amount)	0~100 L/Min		
TV(Inspiratory and expiratory tidal volume)	0~2500mL		
FiO2(Oxygen concentration)	18~100%		
Ppeak(Gas channel pressure Paw)	-20~120 cmH ₂ O		
Pmean(Mean pressure)	-20~120 cmH ₂ O		
Pplat(Mean pressure)	0~120 cmH ₂ O		
I:E(Inspiratory- expiratory ratio)	4:1~1:12		
Freq(Respiratory rate)	0~120 bpm		
Compl(Compliance)	0~250mL/cmH ₂ O		
Raw	0~500 cmH ₂ O/(s/L)		
Performance Of Venti			
Driving pressure			
Inspiratory flow	280~600 kPa Maximum inspiratory flow shall not be smaller than 120L/min when gas supply pressure is 280KPa.		
Range of flow valve	3~100 L/min		
Pressure limitation controlling means for ventilator	Controlled by the electronic relief valve fitted inside the ventilator;		
Ventilator Accuracy			
TV	<75 ml: ±10ml;		
	\geq 75mL, < 1500 mL: \pm 20mL or \pm 10% of set value, whichever is the greater.		
PCV	Inspiratory pressure: $\pm 3.0 \text{ cmH}_2\text{O}$ or $\pm 8\%$ or set value, whichever the greater. Limiting pressure: $\pm 4.0 \text{cmH}_2\text{O} \pm 10\%$ of set value, whichever is the greater.		

	End-expiratory positive pressure: OFF: undefined; 3~30cmH ₂ O: ±2.0cmH ₂ O, or		
	$\pm 10\%$ or set value, whichever is the greater.		
Freq	± 1 C.P.M. or $\pm 5\%$ of set value, whichever is the greater.		
I:E	2: 1~1: 4: ±10% of set value;Other ranges: undefined.		
miles mi	20%~60%: ±15% of set value;		
Tip:Ti	Other ranges: undefined.		
Alarm Settings			
	High: 5~1600 ml		
Tidal volume(expiratory)	Low: 0~1595 ml		
Inanirad avaran	High: 20~100%		
Inspired oxygen	Low: 18 ~ 98%		
High pressure	2~100cmH2O		
Apnea alarm	30s		
	Sound and visual alarm with reminder message for disconnection, overpressure,		
Alarm	Flow sensor, current Volume, minute volume, FiO2, Frequency, Leakage,		
	machine fault, lack of gas, apnea, patient clogetc		
Alarm access	Easy access by shortcut		
Flowmeters			
Type	Mechanical or electronic flow meter optional		
N2O range	0~10 L/min		
Air range	0 ~10 L/min		
O2 range	0~10 L/min		
Proportional device	Equipped with a safety system to ensure an O2 concentration of at least 23%		
Gas Supply			
Pipeline gasses	O2,N2O,AIR		
Standby gas-cylinder gasses	O2,N2O		
Pipeline gas connection	NIST		
Standby cylinder	PISS		
connection	FISS		
Features	Switch easily to the other gas without interrupting the ventilation		
Breathing Circuit Spe	cification		
System Pressure Gau	ge		
Range	Range		
Accuracy	±2.5% full scale		
Adjustable Pressure L	imiting (APL) Valve		
Range	1~75 cm H2O		
Tactile knob indication at	>30 cm H2O		
Accuracy:	±1 0 cm H2O		
start pressure	1 cm H2O		
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Breathing Circuit Para	meters			
	≦4mL/100Pa			
Compliance	Automatically compensates for compression loss with in the breathing circuit			
	in mechanical mode			
Volume of CO2 canister	about 1500			
Water Trap	7mL, easy to be disassembled			
Feature	Heated at 134 degree, removable, easy to dismantle and sterilize			
Gas Monitoring (Optional)				
Carbon Dioxide (CO2)				
Туре	Mainstream ETCO2, Side stream ETCO2			
Method	Infrared absorption			
Module type	Phasin side -stream and mainstream			
Display	Numerics and curve displayed in screen			
Alarm delay	1~10s (step size: 1s)			
Sweep	6.25 mm/s,12.5 mm/s			
Anesthestic Agent (AG) Module (Optional)				
Maximum sound pressure				
for low alarm	79dB			
Measurement mode	Side stream			
Module type	Phasin ISA AG module			
Accuracy	± 10 ml/min or $\pm 10\%$, whichever is greater			
Monitored parameters	CO2, N2O,AA, MAC,Paramagnatic O2 and BIS			
Active AGSS				
High flow, low vacuum				
Applies with ISO 8835-3:19	97			
Flow of suction: 50-80L/mir				
Resistance: 0.75KPa ,75L/m	in			
Filter: Stainless steel reseau	with 140-150μm of diameter			
Power and Battery Bac	·			
Battery backup	120 mins			
Battery tye	Build-in Li-ion batter y, 11.1 VDC, 4400 mAh			
Charge time	Approximately 8 hours (in running status or standby mode)			
Power	4 electrical outlets minimum 220V			
Gas Supply				
Pipeline gasses	O2,N2O,AIR			
Standby gas-cylinder				
gasses	O2,N2O			
Pipeline gas connection	NIST			
Standby cylinder				
connection	PISS			
ACGO (Optional				
Connector	Tapar coavial fitting of 22mm (autaida) and 15 (incida)			
Distriction (Chillipse Co. Children Chillipse Co. Children Children Chillipse Children	Taper coaxial fitting of 22mm (outside) and 15 (inside) Not greater than 2kPa			
Backpressure generated at				
the rear end of anaesthesia				

vaporizer and the front-en	d			
of ACGO during quic				
oxygen charging	K			
	<u> </u>			
Flush O2				
100% fast oxygen				
Vaporizator				
Brand		ATESE available		
Locking		Two vaporizer with interlocking system		
Automatic recongnition		Anethesia machine able to automatic recognize halogenated gases		
Power (no isolation	transformer)			
External AC Power S				
Input voltage	100 to 240 V/100 to 120	V		
Input current	8.5 to 3.5 A/8.5 A	8.5 to 3.5 A/8.5 A		
Input frequency	50/60 Hz	50/60 Hz		
Leakage current	< 500μA	< 500μΑ		
Auxiliary Output Sup	oply			
Output voltage	100 to 240 V/ 100 to 120	100 to 240 V/ 100 to 120 V		
Output frequency	50/60 Hz	50/60 Hz		
Power (with isolatio	n transformer)			
External AC Power S	Supply			
Input voltage	100 to 120 V/220 to 240	100 to 120 V/220 to 240 V		
Input current	8.5/ 3.5 A	8.5/ 3.5 A		
Input frequency	50/60 Hz	50/60 Hz		
Leakage current	< 500μA	< 500μΑ		
Auxiliary Output Sup	pply			
Output voltage	100 to 120 V/ 220 to 24	100 to 120 V/ 220 to 240 V		
Output frequency	50/60 Hz	50/60 Hz		
Principal Machine				
WorkTemperature (ºC)	10~40	10~40		
Relative humidity	15%~95%	15%~95%		
(Non-condensation)	13/0 33/0			
Atmospheric pressure	70~106			
(kPa)				

Specifications subject to change without notice



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