

의료장비 일반 사양서

문서번호: 영의26-0528호

신청부서	마취통증의학과	신청수량	2 system	
장비명	국문	가스마취기	분류	A06010.01[3]
	영문	Anesthesia Machine System	도입구분	사유
				노후교체

1. General Specification

아래 사양은 기본적인 것으로 유사한 기능이나 상회하는 사양이라도 무방합니다.

A. Feature :

1. Piston or Bellows type ventilator
2. Our state of the art electronic gas mixer with pneumatic back-up control
3. Full color display
4. Minimal number of parts and tube connections greatly reduces the potential for leak and misconnects
5. Volume control, pressure control Mode, SIMV, electronic PEEP
6. Generous storage and work surface space
7. Fully autoclavable and latex-free
8. Complete patient monitoring capabilities
9. One or two motion from mechanical to manual mode
10. Patient range: Neonatal to adults

B. Specifications :

1. Dimension Basic with Cart :

- Height : 150cm or 165cm
- Width : 73cm or 110cm
- Depth : 88cm or 70cm

2. Drawer(Optional)

- Number of drawers: Max 4 drawers or Max 1 drawer and pull out table

3. Power Supply

- Power Supply : 220 - 240 VAC($\pm 10\%$), 50/60Hz or 100 - 240 VAC, 50/60Hz
- CE mark (MDD)
- Safety class : IEC Class I, type B or IEC Class I, type BF
- Back-up battery capacity : 30min (type 90min) or 30min (optional 90min)
- Auxiliary electric outlet : 4 Main power outlet on the rear side for Anesthesia Monitor and etc or On for main switch 2 electrical outlet

4. Gas Supply

- Inlet pressure : 2.7 - 8 bar or 2.8 - 6.0 bar
- Number of reserve gas cylinder : Max 3 or 2 only gas cylinder
- Gas Supply, O₂ Alarm : Electronic (audible & vidual) alarm
activating pressure : 250kPa (2.5bar) or activation after a 12 min system test

5. Scavenging

- Passive scavenging
- Active scavenging

6. General Information

- All anesthesia data
- System check
- Start-up time (heating up) : Direct or 4min DIVA
- Standby mode function

7. Fresh Gas Flow Control Adjustment

- Fresh gas flow: 0.15-15 L/min or 0.2-18 L/min
- O₂ flow control : 0.5-10 L/min (21-100%) or 25-100%
- Fresh gas control (O₂, Air) : Electronic mixer
- N₂O : Electronic controlled

- Hypoxic control : Electronic control
- O2 Flush : Mechanical Switch > 35L/min
- Gas Usage data

8. Vaporizer

- Control : Electronic or DIVA injector principle
- Agent : ISO, SEVO and DES or ISO, SEVO and DES
- Dimensions : 70 x 230 x 140 mm or 150 x 130 x 160 mm
- Vaporizer weight : 2.5kg or 5kg
- Trends of agent settings
- Record Keeping of agent settings
- Agent consumption data
- Overfilling protection

9. Ventilator

- Electronically controlled
- Type of method : Ascending Bellows or Decoupling / Turbine
- Type of patients : Adult / Pediatric / Neonatal
- Driving method : Mixer Ascending bellows or Mixer Tubine 30.00 RPM

10. Mode

- Manual
- Spontaneous
- Volume Control (VCV)
- Pressure Control (PCV)
- SIMV
- Pressure support(PSVPro) : yes or yes, No Apnea backup function
- PCV-VG : yes or Auto flow called
- Single switch between automatic and manual mode : yes or 2 steps
- Tidal volume : 20 - 1500mL
- Tidal volume compensation : Electronically applied
- Breathing frequency : 2 - 100 or 3 - 80
- I:E ratio : 2:1 to 1:8 or 4:1 to 1:4
- PEEP : OFF, 4-30cmH2O or 0 - 35 hPa
- Automatic absorber bypass : yes or Only with disposable canister
- Volume of breathing circuit : 2.7L including CO2 absorber canister or 4.5L
- Pressure support : 2 - 40cmH2O or 0 - 70 hPa
- Record keeping of ventilator setting
- APL valve adjustment range
- Flow trigger : 0.2 - 10 L/min or 0.3 - 15L/min

11. End Tidal Control (TCA)

- Automatic End tidal Agent Control
- Minimum flow : Min, 0.55 - 6 l/min

II. CONSIST OF : (Type A or Type B)

(Type A :)

1. FRAME TROLLEY AISYS CS2	2set
2. End Tidal Control	2ea
3. Ventilator Mode - VCV, PCV, PCV-VG, SIMV PCV-VG, CPAP-PSV SIMV VCV, SIMV PCV, PSV pro	each 2ea
4. Electrical Outlet	2ea
5. ACGO (Auxiliary Common Gas Outlet)	2ea
6. BAG ARM SUPPORT	2ea
7. Active Scavenging System	2ea
8. Integrated Auxillary O2	2ea
9. CO2 Canister-Reusable	2ea
10. Continuous Vacuum - 3 mode	2ea
11. Electronic Aladin Cassette Vaporizer, Sevoflurane	2ea
12. Electronic Aladin Cassette Vaporizer, Desflurane	2ea
13. O2 hose assembly	2ea
14. N2O hose assembly	2ea
15. Air hose assembly	2ea
16. Vac hose assembly	2ea



17. Evac hose assembly	2ea
18. Flow sensor	2ea
19. Airway Gas Module (CO2/O2/N2O/5Agent ID)	2ea
- D-Fend Water Trap(10ea/pkg)	2ea
- Anesthesia Gas Sampling Line(10ea/pkg)	2ea
20. Service & Operation Manual	each 2ea

(Type B :)

1. ZEUS IE Integrated Anesthesia workstation	2set
2. Multi-gas & Airway Monitor	2set
3. TurboVent Anesthesia ventilator	2set
4. Patient hose set(dis.)	2set
5. Sample line set	2set
6. Flow sensor (long life)	4ea
7. DIVA delivery modules Desflurane	2ea
8. DIVA delivery modules Sevoflurane	2ea
9. Vent. Bag holder	2ea
10. O2-connecting hose	2ea
11. N2O-connecting hose	2ea
12. Air-connecting hose	2ea
13. Gas scavenging system(AGS) with hose	2ea
14. Water trap 12pcs	2set
15. Operator's/Service manual	2ea

III. 특기사항

1. 무상하자보증기간 : 3년
2. 한국식약처 의료기기수입품목허가증 사본제출

