ANAESTH-ASSIST

ANAESTH-ASSIST (ANAESTHESIA WORK STATION) (3-Gas Model)

Indigenous Technology with ease of use.

ANAESTHESIA WORKSTATION (3 GAS MODEL)

Standard Specification:

- Non Metallic water resistant and fire retardant moulded body made from engineering grade polymer.
- Back-lit illuminated 3 gas, cascaded 5 tube Rotameter.
- Selecta tech bar for two temperature and pressure compensated agent specific vaporiser.
- Diameter coded **self sealing type inlet** for piped gas (1 each for O_2, N_2O and Air) with non return.
- **Pin indexed type yoke** for bottled oxygen and Nitrous Oxide(1 each).
- Master switch for system ON/OFF for gases and power supply.
- Common gas outlet.
- Open/close circuit switch for easy change over from open to close circuit.
- **Integrated Power backup** and extra electrical extension outlets for running other devices.
- Integrated microprocessor based pneumatically driven ventilator.
- Interactive test for confirming proper device operation during start-up.
- **Circle absorber system with integrated ventilator bellow**, **bag ventilator selector switch** with active changeover.
- Anesthetic gas scavenging system port in Circle Absorber.
- Resistant to external Electro Magnetic Interference (Both Ambient and Conductive).

Patient Safety:

- Tested for **IEC 60601-1:2005 + AMD1:2012+ AMD2: 2020** from **NABL** accredited and **CDSCO** approved Lab.
- Gear linked mechanical Hypoxic control device
- Fresh gas compensation during inspiratory saving from Volutrauma.
- Nitrous oxide interlocking
- Emergency Oxygen flush
- **FiO2 display** (while using close circuit)
- Breathing system pressure relief valve set at 1200mm of water column.
- Audio visual oxygen pressure alarm.
- Audio visual critical battery alarm.
- Low and high airway pressure alarm.
- Low and high minute volume alarm.
- Low and high FiO2 alarm.
- Waveform monitor during manual bag ventilation.

Ventilator:

- Ventilation parameters automatically calculated and set by patient BMI.
- Ventilation Mode : VCV, PCV, SIMV(V), SIMV(P) and Manual(Bag).
- Digital and compensated tidal Volume control in ventilator.
- Tidal Volume adjustment: **50 ~ 1500mL**.
- I:E ratio: **4:1 to 1:4**.
- Frequency Adjustment range: **1 ~ 60 b.p.m.** (**1 ~ 40 b.p.m.** in SIMV mode).
- Monitoring: Vti, VTe, MV, BPM, FIO2, PEEP, RR, I:E Ratio, Ppeak, Cdyn and CMV time.
- On the go changing of VT, BPM, I:E Ratio, PEEP, Itrig and Rising Rate.
- 7" Full Colour Touch Screen Display.
- Inbuilt FiO2 monitor with adjustable high and low alarm with FiO2 sensor calibration feature.
- Flow sensor calibration data input feature.
- **Waveform:** Flow vs Time and Pressure vs Time(also available during Manual Bag Ventilation).
- **Ventilatory loops:** Volume vs Pressure and Flow vs Volume.
- Alarm for High and Low AWP, MV, FiO2, Low oxygen pressure and critical battery status.
- Electronic **PEEP** control from **0 ~ 20cm** of water column.
- Pressure Trigger: -3~+19cm of water column(SIMV Mode).
- Pressure Limit: Patient airway 5~65 cm of water column.
- Airway pressure monitoring range -3~100 cm of water.
- Accurate display of Inspiratory and expiratory volume using proximal flow sensor.
- Fresh gas flow compensation in all mode of ventilation.
- Animated inspiratory and expiratory phase graphic during CMV.
- Audible alarm volume control.
- Reminder of audio alarm mute at every 120 seconds during alarm condition.
- Reminder of device running on battery backup after every 33 seconds.
- Ventilator set parameter data automatically saved and stored by the ventilator.
- Data recording of the patient and set values and alarms for the last 72 hours of use.
- Programmable anaesthesia drug timer with alarm.

Note : Vaporisers Optional (Isoflurane / Sevoflurane)

*** Images shown here are for illustrative purpose only***

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