ANAESTH-ASSIST

ANAESTHESIA WORK STATION
(3-Gas Model)

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Indigenous Technology with ease of use.

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.
- Selectatech bar for two temperature and pressure compensated agent specific vaporiser.
- Diameter coded self sealing type inlet for piped gas (1 each O_2, N_2O and AIR) with non return.
- 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.
- Pin indexed type yoke for bottled Oxygen and Nitrous Oxide (1 each).
- Anaesthetic gas scavenging system port in Circle Absorber.
- Resistant to external Electromagnetic Interference (Both Ambient and Conductive).
- Intelligent self selection of AIR over Oxygen for ventilator driving in case of AIR availability and no flicker change over to Oxygen in case of AIR pressure drops.

Patient Safety :

- Gear linked mechanical Hypoxic control device.
- Fresh gas compensation during inspiratory saving from Volutrauma.
- Nitrous oxide interlocking.
- Emergency Oxygen flush.
- FiO_2 display (while using close circuit).
- Breathing system pressure relief valve set at 1200mm of water column.
- Audio visual oxygen pressure alarm and critical battery alarm.
- Low and high airway pressure alarm.
- Low and high minute volume alarm.
- Low and high FiO_2 alarm.
- Waveform monitor during manual bag ventilation.

Ventilator :

- Ventilation Mode : VCV, PCV, SIMV and Manual (Bag).
- Digital and compensated tidal Volume control in ventilator.
- Tidal Volume adjustment: 100 ~ 1500ml.
- I:E ratio: 4:1 to 1:4.
- Frequency Adjustment range: 1 ~ 60 (1 ~ 40 in SIMV mode).
- Monitoring: Vti, VTe, MV, BPM, FIO_2, 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 FiO_2 monitor with adjustable high and low alarm with FiO_2 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, FiO_2, 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 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.

Note: Vaporisers Optional

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

Manufactured by :

CALCUTTA ROTAMETER AND EQUIPMENT

12, Nagendra Nath Road, Kolkata 700028, INDIA
Phone No. : +91 84429 05401
Mobile : +91 94332 04402
e-mail : sudip@creflowmeter.com, creflowmeter@gmail.com
Website : www.creflowmeter.com

Sales & Service Support by :