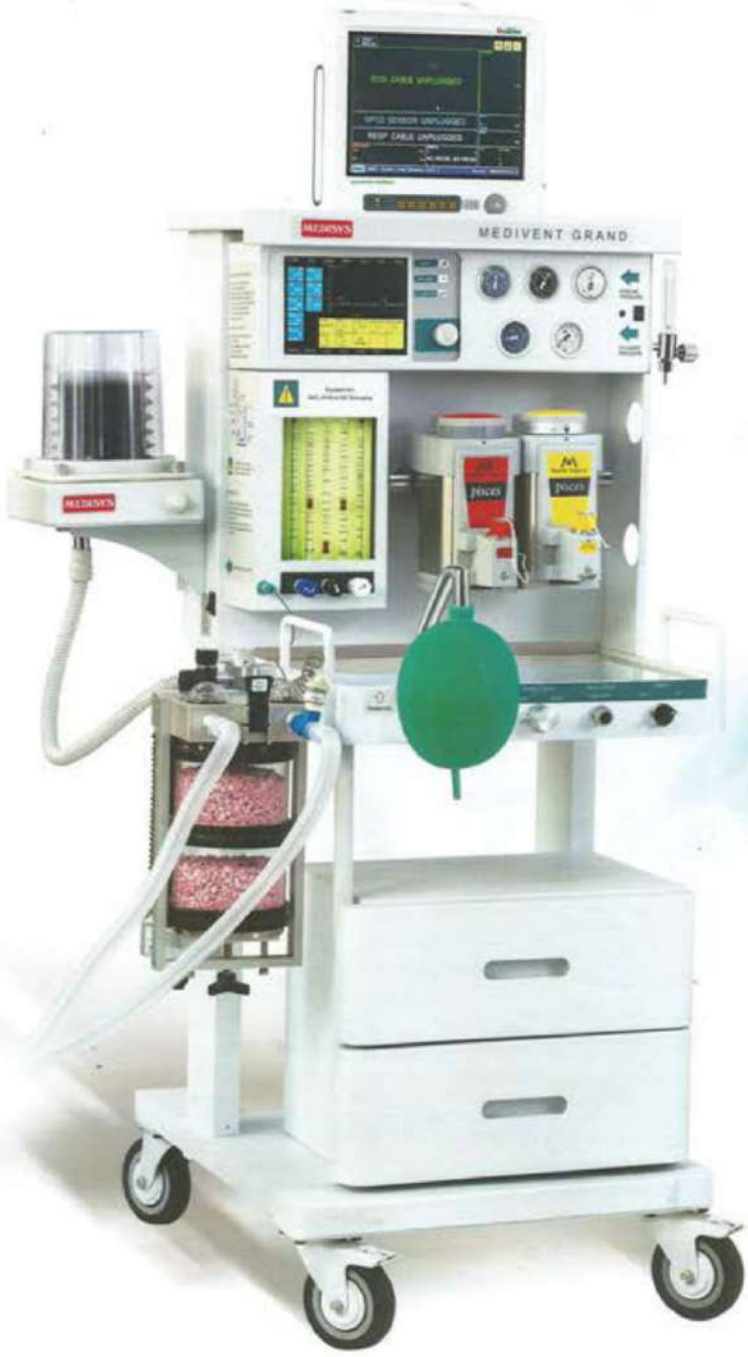
MEDISYS®

MEDISYS MEDIVENT GRAND ANESTHESIA WORKSTATION WITH ONE VAPORIZER



Designed with the concepts of modern technology, the workstation is quite distinct from the conventional systems. Its advanced features ensure patient's safety and offer comfort to the operator.

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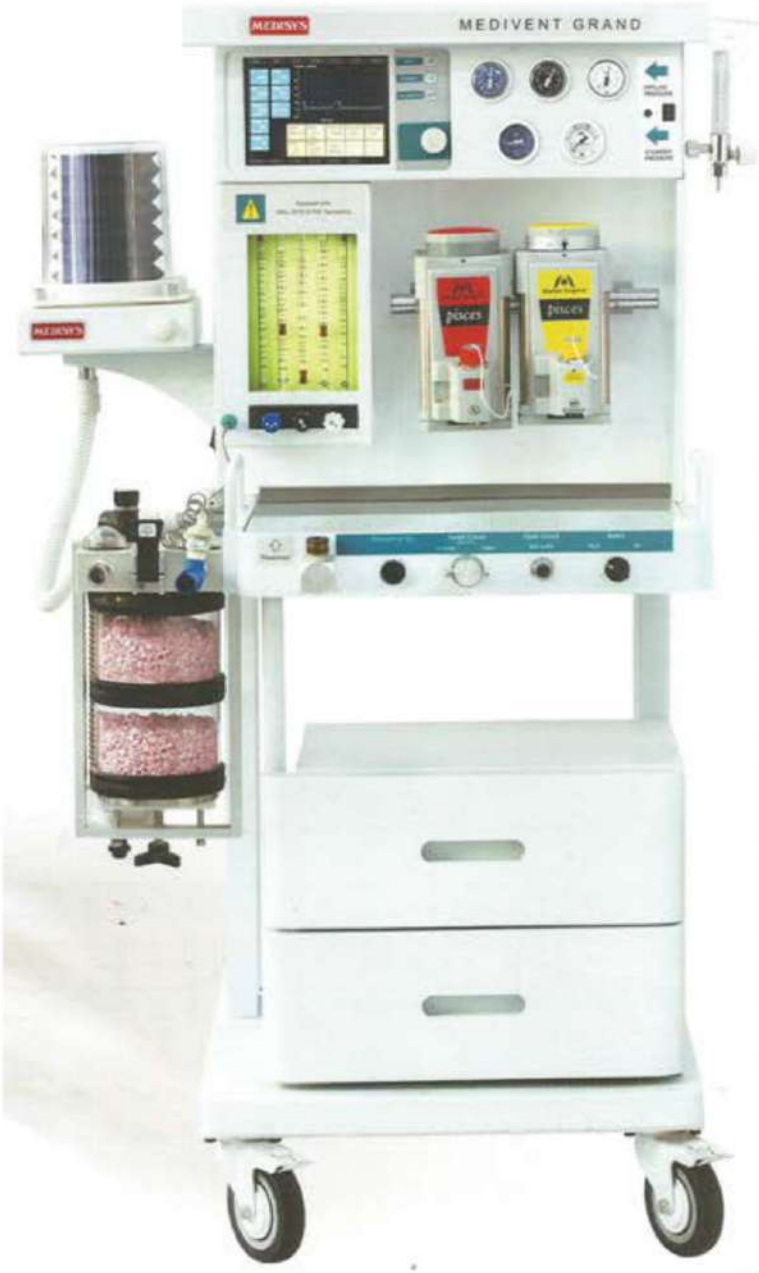

The anaesthesia delivery system has the **capability to operate at a very low Fresh Gas Flow**. With its high end features and advanced ventilation capabilities, it can easily meet the challenging conditions in the operating room. Ventilating an obese or a patient in prone position is no longer a problem.

The **Hypoxic Guard and OFPD** have been provided as standard safety protocol. While the hypoxic guard ensures FGF to contain at least 25% oxygen, the protection against oxygen failure (OFPD) activates a device to cut off the flow of N_2O and warn, with a visual flash and an audio alarm.

While the **FGF Decoupling** and the **Circuit Compliance Compensation** try to make for the net tidal volume, the system of **breath to breath correction** ensures the delivery unaffected with the change in lung characteristics.

The **Ascending Bellows** in the ventilator **provides visual feedback** for patient's response, leakages or low FGF.

At times, the **Pressure Control Mode** is preferred to **Volume Control to avoid** the likelihood of **High Peak Pressure**. The **PRVC Mode**, in such cases, delivers the target volume keeping the pressure to the minimum. The operator is relieved and is no longer required to adjust the pressure manually.

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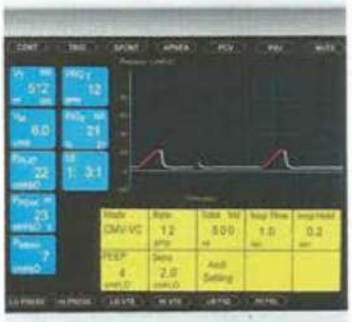

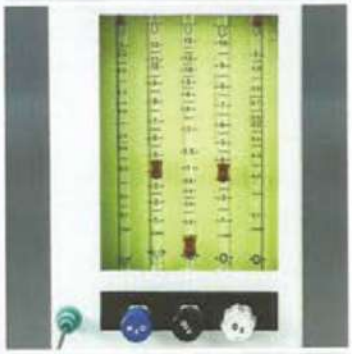

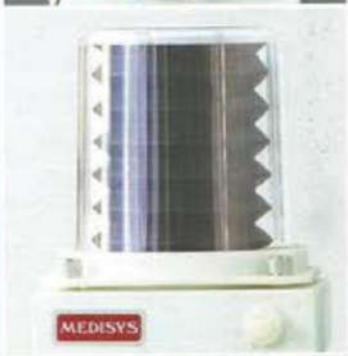

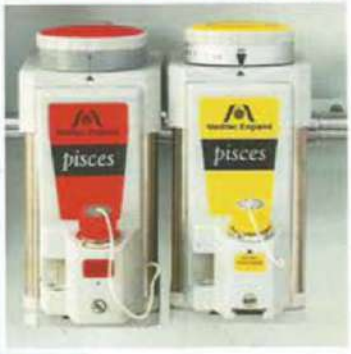

FEATURES

- Operates at very low fresh gas flow of 500 ml per minute.
- Provides for quick changeover for open / closed circuit, Auto / Manual and N_2O / Air operation.
- Oxygen ratio controller (ORC) maintains the flow of N_2O compared to the flow of oxygen.
- Provides for hypoxic guard and OFPD as standard safety protocol.
- 8.4 inches colour TFT screen for display of parameters and the PT curve.
- Provides for full range of ventilation modes.
- Delivers tidal volume after compensating for the loss due to compression of gas in the circuit.
- Fresh Gas Flow Decoupling (FGD) makes Tidal volume unaffected for any change in FGF.
- Tidal volume is delivered regardless of changes in lung characteristics.
- Built in oxygen analyzer for display the FiO_2
- Provides for PEEP, pressure support and apnea backup ventilation.

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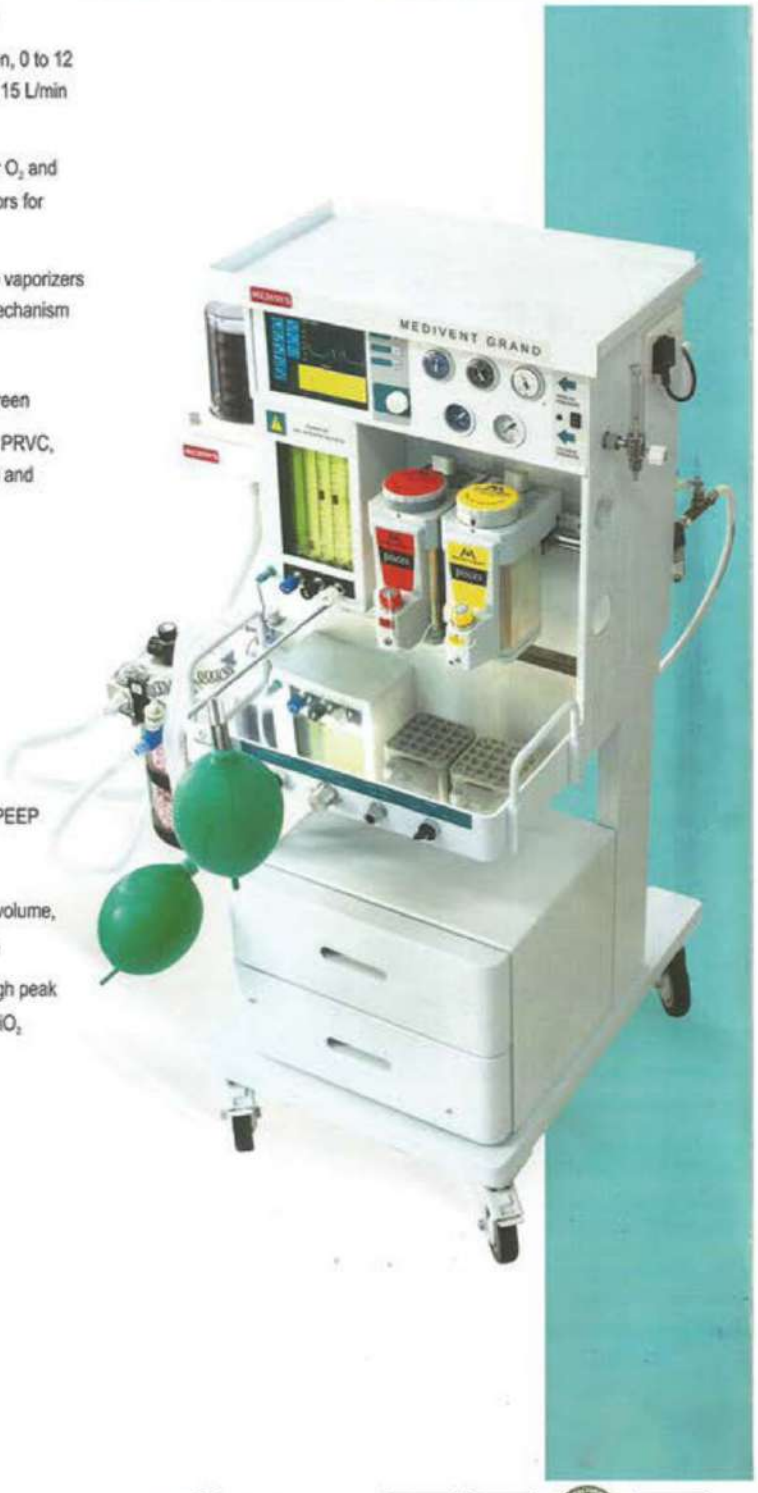
SPECIFICATIONS

Dimensions (H x W x D)	:	1460 x 580 x 750 mm
Flow control	:	0 to 10 L/min for oxygen, 0 to 12 L/min for N_2O And 0 to 15 L/min for air
Gas inlet	:	two pin index yokes for O_2 and N_2O; and four connectors for central pipeline gas
Backbar	:	Selectatec type for two vaporizers with interlock safety mechanism
Emergency O_2 Flush	:	35 to 45 Litres / min
Display	:	8.4 inch colour TFT screen
Ventilation modes	:	CMV (VC), CMV (PC), PRVC, SIMV (VC), SIMV (PC) and SPONT
Tidal volume	:	20 to 1500 ml
Respiration rate	:	1 to 50 breaths/min
Inspiratory time	:	0.3 to 3 seconds
Inspiratory Hold	:	0 to 2 seconds
Electronic PEEP	:	3 to 30 cmH_2O
PCV	:	3 to 40 cmH_2O
PSV	:	0 to 30 cmH_2O above PEEP
Sensitivity	:	0.5 to 8 cmH_2O
Monitored data	:	Tidal volume, Minute volume, P_{peak}, P_{plat}, P_{mean} and FiO_2
Alarms	:	Low /High V_T, Low / High peak pressure, Low / High FiO_2
Electrical power	:	220 VAC, 55 Watt



Warranty

12 months against any manufacturing defect.
A totally indigenous product with prompt after-sales-service.

The Company reserves the right to change/modify the specifications without any notice.