

General specification for ICU ventilator For Ayub teaching hospital

- Simplified user friendly interface
- Ventilator capable to ventilate category(neonate, Peads, Adult)
- Advance ventilation modes invasive and Non-invasive.
- Flexible and moveable Min.12 LCD smart Touch Display
- Airway Resistance compensation
- Easy to clean and quick release flow sensor
- Active exhalation valve
- Trends log minute by minute
- Capable of weaning procedures
- Max. Battery backup.
- Built-in Compressor/Turbine.

VENTILATOR PREFERENCES

BACK-UP MODE: Establishes the specific ventilator mode and parameters used in the event that the ventilator switched to backup ventilation.

ARC: Allows control and setting of the airway resistance compensation.

ASSIST CONTROL: Allows the user to turn the assist control capability ON or OFF.

LEAK COMPENSATION: Allows the user to turn the leak compensation capability ON or OFF.

TV BASED CONDITION: Allows Setting between ATPD (Ambient temperature Pressure Dry) and BTPS (Body Temperature pressure saturated).

CONTROL AND RANGED → Neonates, Peads and Adult (TRIPLEX Mode Ventilator)

ALARMS: Tidal Volume, minutes volume, Respiratory Rate, FIO₂, P max, P peak, PEEP_e, Plimit, Apnea ,Leak, Pamx, PEEP, P_{insp}, P_{supp}, T_{isp}, RR, I:E Phigh, Plow, Thigh and Tlow (Soft Limits)

TRENDS

All Parameters and measured data, Numerical and graphical, UP to 14 days storing.

TROLLEY:

- Mobile base trolley with 4castors 2 with brake system
- Patient hose support arm.
- Advance built-in-nebulization system (Micro Electronic Pump) controlled directly from the ventilator.

OPTIONAL:

- Maintenance free paramagnetic O₂ Cell
- Capability to measure energy expenditure and respiratory quotient through module for metabolic measurement.