**Pulmonary ventilator**

• High performance Intensive Care pulmonary ventilator for ventilation on adults and children in invasive and non-invasive mode

• Types of ventilation required: IPPV, assisted IPPV, BIPAP and BI VENT, Autoflow or Automode, IRV (inverted ratio ventilation), PCV-MMV ASB or PA CPAP,

• Apnea ventilation on all respiratory methods.

• Non-invasive ventilation with loss compensation

• parameters required: Expiratory minute volume, Spontaneous minute volume, Expirated tidal volume, Peak pressure, Plateau pressure, Average pressure, Minimum pressure, Fraction inspired by 02, EtCO2, Compliance, Resistance, Autopeep, Total respiratory rate, spontaneous respiratory rate.

• Flow trigger on all ventilations.

• Functions required: inspiratory pause block (e.g. for expanding radiographs); expiratory pause block (e.g. for reading max. depression); bronchoscopy

• screen for viewing pressure, volume flow curves and capnogram

• A series of operator help messages IS also required on display data setting.

• Screen of at least 10 ”and capable of displaying the type of ventilation in use

• For patient safety, different levels of alarm must be present, both optically that acoustic (adjustable in intensity).

• Alarms required for the following parameters: Minute volume exp./FiO2/Network/Gas supply / pressure min. and max of the airways; patient disconnection

• Additional expiratory circuit in addition to the one supplied to avoid technical shutdown

the ventilator (for patient change or accidental breakage)

• Loops and trends recording

• RS 232 connection

• Humidifier

• tube holding arm

• dedicated trolley

• internal or added medication nebulizer

• supply: 220V, 50 Hz