![Northtech - İLERİ TEKNOLOJİ logo]

Northtech VeNT

Intensive Care Type
Mechanical Ventilator

NORTHTECH RESPIRATOR THERAPY EQUIPMENT

- Smart safety system and user friendly manual
- Display and sound alarm with levels
- Smart alarm recognition and alarm level
- Stand-By Mode
- Comparable Sensor Measurement and Automatic Calibration(At the opening and on request)
- Oxygen Sensor
- Internal battery with 10 hours
- 5ms Valve Reaction Time
- 100mbar Emergency Valve
- IP 21 impermeability
- Software updating
- Automatic source change
- Workability with Medical Oxygen Concentrator
- Workability with O2 tube
- Low air and oxygen pressure detection
- Alarm of technical fault,fan breakdown and connection loss
- Power loss and battery level display
- Elegant and modern detailed design
- Right-left and up-down movable,10.1 inch,high resolution,touchscreen
- Touchscreen shortcut buttons
- Upper body seperable from stand
- Expiration valve,easier to use
- Tyres with improved shock absorption and 2 lock system
- External moisturizer slot
- Protector and holder transportation handles
- Pretty cheap consumables
- Minimum maintenance cost
- %100 native design
- 3 years guarantee + 3 years optional guarantee extension
- Fast and quality technical service
- Turkish user manual

SINGLE DEVICE COMPATIBLE WITH ALL PATIENTS

veNT works compatible with patients regardless of gender,age.

While it lowers to 20cc Vtidal,it can reach to 150 breath per minute.

Device does calibration automatically while opening.

It has an adjustable inspiration and expiration holder feature between 1-60 seconds.

veNT has Nasal Cpap and High Flow Oxygen Therapy mods.

veNT has integrated nebulizer system.

0354 333 66 68

www.northtech.com.tr

veNT INTERFACE AND SOFTWARE FEATURES

10.1 INCH TOUCHSCREEN

veNT displays system informations with a 10.1 inch high resolution colored screen and provides usage pleasure.It also provides fast access to the values like Fio2,PEEP,breath count,respiration parameters.

With its wide screen,it shows the patient datas transiently and makes us understand alarm situations from afar.veNT interface has a user friendly design.

veNT offers easy use to the intensive care type medical ventilators,which known as having a complicated usage.

veNT SIMULTANEOUSLY SHOWS 3 GRAPHS (PRESSURE-TIME,FLOW-TIME-VOLUME-TIME)

To show the patient's condition to the operator, veNT shows instant measurement values graphically.Graphs:Pressure-Time,Volume-Time,Flow-Time.
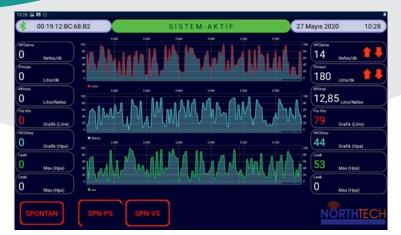
With its graph stopping feature,it offers analyze opportunity by freezing the graphs and loops.

YOU DESCRIBE THE PATIENT, veNT DOES THE REST

It has trigger compensation feature.

GRADUAL ALARM LEVEL AND AUTOMATIC ALARM LIMIT RECOGNITION

veNT creates sound and display alarm in emergency situations. It adjusts the alarm level gradually and makes easier the use. In system there is both mechanic and software safety systems. Thus provides the safety of patients whom veNT cures(?). It has alarm mute (2 min.) fast access button.

veNT TECHNICIAL SPECIFICATIONS

veNT MODS FOR CHILD AND ADULT PATIENT TYPES

- P-ACV Pressure Control, Ventilation for assist
- P-SIMV+PS Pressure Control, Pressure Assisted Synchronized Compulsory Ventilation
- P-PSV Pressure Control,Constant Compulsory Ventilation
- SPN-PS Spontaneous Pressure Assisted Ventilation
- SPN-VS Spontaneous,Volume Assisted Ventilation
- V-ACV Ventilation for assist,Volume Controlled
- V-ACV(PRVC)Volume Focused,Pressure Controlled,Ventilation for assist
- V-CMV Constant Compulsory Ventilation,Volume Controlled
- V-SIMV+PS Volume Controlled,Pressure Assisted Synchronized Compulsory Ventilation
- V-SIMV(PRVC)+PS Volume Focused,Pressure Controlled,Synchronized Compulsory Ventilation
- NIV Non-Invasive Ventilation,Smart Trigger Feature Compatible With NIV Mode

veNT RUNNING FEATURES

- Inspiration Pressure : 2-100 mBar
- Inspiration Duration : 1-10 second
- Peep Pressure : 2-50 mBar
- Breath Quickness: 0-2000 mL
    - Pediatric : 1-150/min
    - Adult : 1-100/min
- Tidal Volume : 0-2000 mL
- Flow Velocity : 120 L/min
- O2 Blend : 21-100%
- Spontaneous Pressure Support : 0-100 mBar
- I/E ratio : 1:10(x60)-10:1

veNT DETAIL FEATURES

- Apnea Duration : 5-60 second,Bidirectional Apnea Ventilation
- Apnea Mode : P-CMV,V-CMV
- Flow Trigger : 0.1-20 lt/min
- Pressure Trigger : 0.1-20 mBar
- Internal Pull : 2-20 mBar,1-20 Breath
- Trigger Compensation : On-Off
- Volume Assist
    - Pediatric : 0-100 mBar/Lt
    - Adult : 0-100 mBar/Lt
- Inspiration Lag : 1-60 sec
- Expiration Lag : 1-60 sec
- O2 Support : 2 min.

veNT PATIENT COMPATIBILITY AND PERFORMANCE

Child,Pediatric

- Breath Count : 1-150/minute
- T inspiration : 0.1-10 second
- Tidal Volume : 0.02-0.6 Liter
- Trigger Sensivity : 0.1-20 Liter/minute 0.1-20 mbar
- Leakage and Tube Compensation
- Invasive Non-invasive Ventilation

Adult

- Breath Count : 1-100/minute
- T inspiration : 0.1-10 second
- Tidal Volume : 0.1-2 Liter
- Flow : 1-120 Liter/minute
- Trigger Sensivity : 0.1-20 Liter/minute 0.1-20 mbar
- Invasive Non-invasive Ventilation

DISPLAYED DATAS

- P Peak : Inspiration Peak Pressure Measurement
- P Peep : Peep Pressure Measurement
- P Plato : Inspiration Plato Pressure Measurement
- P Average : Average Pressure Measurement
- F Inspiration : Inspiration Flow Velocity
- F Expiration : Expiration Flow Velocity
- V Tidal : Tidal Volume
- FiO2 : Oxygen Rate
- Breath Count : Minute Breath Count
- Spontaneous Breath Count : Minute Spontaneous Breath Count
- T Inspiration : Inspiration Duration
- T Expiration : Expiration Duration
- I/E Ratio : Inspiration Duration/Expiration Duration Rate
- AutoPeep : Air Pressure Stucking At the End of Respiration
- P0.1 : 100 ms Occlusion Pressure Measurement
- PTP : Negative Pressure x Negative Pressure Duration
- FTP : Negative Flow x Negative Flow Duration
- P NIF : Negative Inspiration Pressure Force
- Leakage Rate : Leakage Volume Ratio
- Leakage Volume : Leakage Volume at the End of Breath Loop

ALARM FEATURES

SOUND AND DISPLAY ALARM, ALARM RECORDING,2 MINUTE ALARM MUTE

- Inspiration Pressure : Base Limit/Top Limit
- Tidal Volume : Base Limit/Top Limit
- Breath Velocity : Base Limit/Top Limit
- Volume/Minute(?) : Base Limit/Top Limit
- I/E Ratio : Base Limit/Top Limit
- FiO2 : Base Limit/Top Limit
- Apnea Duration : Base Limit/Top Limit
- Leakage : Base Limit/Top Limit

ELECTRICAL FEATURES

- Battery Duration : 2 Hours
  - +8 Hours,Optional
- Network Voltage : 200-240V AC
- Power Consumption : 47-63 Hz 100 W

PRESSURE SOURCE FEATURES

- O2 Pressure : 2,5-7 Bar Central System/Tube
- Air Pressure : 2,5-7 Bar Central System/Tube
- Automatic Replacement and Alarm Display at the end of Source Obsolescence
- Workability with Medical Compressor

GRAPHIC FEATURES

- Pressure-Time Graph
- Flow-Time Graph
- Volume-Time Graph

SIZE AND WEIGHT

- Height : 150cm
- Depth : 44cm
- Width : 42cm
- Weight : 55kg
- Screen Movement: Portable, Angular, Full Touch Tablet
- Pendant and Column Montage

DIGITAL INTERFACES

- 4 USB