

BREATHE THE FUTURE

BIYOVENT

Intensive Care Type
Mechanical Ventilator Device



DESCRIPTION OF PERSONALIZED TREATMENT

Effective Treatment For the Needs of Every Patient

The medical state and needs of every patient are different. Biyovent which is developed with this awareness, offers a customizable structure based on patient needs. Thus, it provides advantages to both the patient and the doctor for the most effective treatment.

With Biyovent, in which every detail is considered for health, characteristics such as height and weight of the patients are entered during use in pediatric and adult patients, and the most appropriate treatment method is provided to the patient.

In addition, the changing clinical needs can be followed up by recording the values related to the patient's condition besides physical characteristics. Thus, it is ensured that the most appropriate and correct treatment can be performed to each patient.

In terms of usage, Biyovent helps healthcare professionals to reach information they need and provides the opportunity to choose Non-Invasive, Invasive Ventilation and N-CPap, HFO therapy methods in performing the treatment method that the patient needs. With its advanced software features, Biyovent, which establishes a safe infrastructure for treatment, maximizes safety with the ability to select the length and thickness of the air canal circuit to be used for the patient from the air canal settings and adjustable alarm limits.



Invasive and Non-Invasive Ventilation



Integrated Nebulizer



High Flow Oxygen Therapy and N-CPAP (nasal C-PAP)



Suitable for Neonatal (Optional) Pediatric and Adult Patients



Smart Ventilation Modes

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Technical Specifications

Patient Suitability and Performance Suitability Child, Paediatric
Breath Number: 1-150/mins.
T inspiration: 0.1-10 sec.
Tidal Volume: 0.02-0.3 Litre
Flow: 1-60 Litre/Mins.
Adult
Breath Number: 1-100/mins.
T inspiration: 0.1-10 sec.
Tidal Volume: 0.1-3 Litre
Flow: 2-120 Litre/Mins.

Operation Features
Inspiration Pressure: 2-100 mBar
Inspiration Duration: 0.1-10 Sec.
Peep Pressure: 0-50 mBar
Breathe Speed: (ç) 1-150/mins. (y) 1-100/mins.
Flow: (ç) 1-60 lt/mins. (y) 2-120 lt/mins.
O2 Mixture: 21-100%
Spontaneous Pressure Support: 0-100 mBar
I/E Rate: 1:10 (x60*)-10:1 (ç): Child, (y): Adult



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Ventilation Modes for All Ages and Conditions

Pressure Controlled Modes (P-ACV
P-SIMV+PS P-CMV P-PSV P-Bi-level APRV)

Volume Controlled Modes (V-ACV
V-ACV(PRVC) V-CMV V-SIMV+PS,
V-SIMV(PRVC)+PS)

Spontaneous Modes (SPN-PS SPN-VS)

Smart Modes [SAV(WOB Optimisation)]

THE NEXT STEP IN VENTILATOR TECHNOLOGY

Biyovent, which was developed with the aim of offering products with high technological threshold value, fully meets the needs with its new generation technology. It offers high quality in terms of both technology and health, thanks to its features that cover all the deficits that the ventilator devices used up to this time cannot offer and the doctors cannot meet the demands.

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Üniversiteler Mahallesi
İhsan Doğramacı Bulvarı
No: 23/C ODTÜ Teknokent
06800 Çankaya/ANKARA

0850 800 62 97

www.biosysmed.com