

**EHYA DARMAN
PISHRAFTEH CO.**

The First Manufacturer of Ventilator, Anesthesia machine, and Imaging CT Scan in Iran

Ehya Darman Pishrafteh Co. is the first manufacturer of intensive care ventilators (infants-adults), specialized neonatal ventilators, anesthesia machines, and the only manufacturer of CT scan in Iran.





EHYA DARMAN PISHRAFTEH CO.

Ehya Darman Pishrafteh Co. began as a reseller and importer of European-made Respiratory equipment. After gaining experience and technical knowledge, the company began producing ventilators for the first time in Iran. After gradually transferring manufacturing technology, it was granted an independent production license for intensive care ventilators and anesthesia machines, establishing itself as a leading Iranian knowledge enterprise. The company received the international CE certificate for its products after receiving certifications from local authorities and producing high-quality products. Ehya Darman Co. took the next step by manufacturing CT scanners after 20 years of experience in manufacturing medical equipments and knowledge of manufacturing, sales, and after-sales service challenges in Asian, European, and African countries. It was introduced as an independent manufacturer of CT scan in Iran, relying on its technical knowledge, experienced specialists, and reputation in after-sales services.



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MENU



0477



Intensive Care Ventilator

Brand: **EDP**

Model: **EDP-NEO**

Operative Modes

Modes with the ability to define breathing flow

- ⊕ TCPL -Time Cycled Pressure Limited (with Continuous flow)
- ⊕ SIMV(TCPL)+PSV (With continuous flow) [with backup rate]
- ⊕ CPAP With Continuous Flow

Combined modes

- ⊕ APRV - Airway Pressure Release Ventilation [with backup rate]
- ⊕ PRVC - Pressure Regulated Volume Control

Modes with auto flow definition

- ⊕ PCV- Pressure Control (assisted/controlled)
- ⊕ SIMV(PCV)+PSV [with backup rate - non]
- ⊕ PSV- Pressure Support

VIEW NOTABLE FEATURES

VIEW TECHNICAL DATA

Patient Category: Neonate

Intensive Care Ventilator

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12.1" touchscreen LCD display

Drug nebulizer

Tidal volume from 2 ml

Invasive and non-invasive ventilation

Display and storage of breathing loop and curve

Body temperature volume correction (BTPS)

Auto emergency mode

Volume correction according to patient circuit compliance

Over 3-hour electricity-free operation

Leak compensation available in all operative modes

Transferring information to the central computer for reporting

Altitude compensation for volume correction

Leak compensation

Tidal volume setting based on ideal body weight (IBW)

Distal flow sensor or proximal flow sensor selection

F/VT, Cdyn, WOBI, Cst, Ri, Re, Auto PEEP, Leak, %Leak, Ti-Ttotal, Ve Mandatory, VE Spont, F Spont, Tcexp display

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Intensive Care Ventilator

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TECHNICAL DATA VENTILATOR:

Range of definable parameters

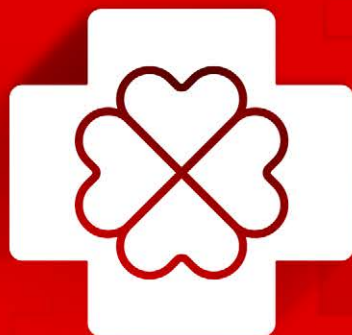
- ⊕ Tidal Volume : 2-350 ml
- ⊕ Pressure Control (PCV): 2-100 cm H₂O
- ⊕ Pressure Support (PSV): 0-100 cm H₂O
- ⊕ Limited Pressure in TCPL : 3-70 cm H₂O
- ⊕ Resulting Minute Volume :0.01-17 L/min
- ⊕ Respiratory Rate: 1-150 bpm
- ⊕ Continuous Flow (NEO-INF): 2 - 40 (L/min)
- ⊕ Limited Pressure in TCPL (NEO-INF) : 3-70 cm H₂O
- ⊕ Maximum pressure Limited (safety limits):up to 120 cm H₂O
- ⊕ Inspiratory Time :0.5-3s (30s in APRV)
- ⊕ PEEP/CPAP: 0 to 50 cm H₂O
- ⊕ Inspiratory Flow: 0.2 - 180 (L/min)
- ⊕ I:E Ratio: Volume mode: 1:1 – 1:20; Pressure Control: 5:1 – 1:20
- ⊕ Expiratory Sensitivity: 5% to 80% of peak flow
- ⊕ Inspiratory Sensitivity:(below PEEP)
 - Flow Triggered : 0.2-20L/min
 - Pressure Triggered:0.5-20cm H₂O
- ⊕ Pause insp/Exp (VCV only) :0 to 2 seconds with 0.25 s increments.
- ⊕ Nebulizer

Advanced Respiratory Analysis

- ⊕ Auto PEEP: Total peep / auto peep °
- ⊕ Rapid Shallow breathing index (F/VT index)
- ⊕ Static and Dynamic Compliance
- ⊕ Imposed Work Of Breathing (WOBi)
- ⊕ Inspiratory and Expiratory Resistance
- ⊕ Expiratory time constant (TCexp)
- ⊕ Trapped volume: Tidal volume/Total volume/ Trapped

Exhalation parameters

- ⊕ Airway Pressure: Peak, Plateau, Mean, PEEP
- ⊕ time (Ti) and Expiratory time (Te)
- ⊕ Rate: Total rate expressed in breaths per minute
- ⊕ Expired Minute Volume
- ⊕ I: E Ratio Current
- ⊕ Expired Tidal volume
- ⊕ O₂ Percentage



EHYA DARMAN PISHRAFTEH CO.

View Website



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