

**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



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Intensive Care Ventilator

Brand: **EDP**

Model: **EDP-TS**

Operative Modes

Adult and Pediatric

- ⊕ VCV - Volume control(assisted/controlled)
- ⊕ PCV- Pressure Control(assisted/controlled)
- ⊕ PSV- Pressure Support
- ⊕ SIMV(PCV)+PSV [with backup rate non]
- ⊕ PSV+VT Assured(VAPS)
- ⊕ APRV - Airway Pressure Release Ventilation
- ⊕ PRVC - Pressure Regulated Volume Control
- ⊕ MMV+PSV-Mandatory Minute Ventilation
- ⊕ NIV - Noninvasive Ventilation
- ⊕ CPAP - Continuous Positive Airway Pressure
- ⊕ Apnea Backup
- ⊕ Auto Emergency Ventilation

VIEW NOTABLE FEATURES

VIEW TECHNICAL DATA

Patient Category: Pediatric - Adult

Intensive Care Ventilator

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12.1" touchscreen LCD display

Capnograph and waveform capnograph display

Tidal volume from 20 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

Can Operate over 3 hours with internal battery

Leak compensation available in all operation modes

Information transfer to the central computer for reporting

Altitude compensation for volume correction

Leak compensation

Tidal volume setting based on ideal body weight (IBW)

Drug nebulizer

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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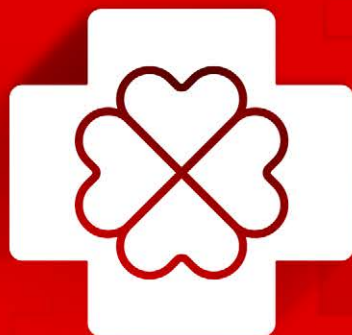
TECHNICAL DATA VENTILATOR:

Range of definable parameters

- ⊕ Tidal Volume: 20-2500ml
- ⊕ Pressure Control (PCV):
2-100 cm H₂O
- ⊕ Pressure Support (PSV):
0-100 cm H₂O
- ⊕ Programmable Minute
Volume(MMV+PSV) :
1.0 - 50 L/min
- ⊕ Resulting Minute Volume :
0.01-130 L/min
- ⊕ Respiratory Rate: 1-150 bpm
- ⊕ Maximum pressure Limited
(safety Limits):
up to 120 cmH₂O
- ⊕ Inspiratory Time : 1-3s (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
- ⊕ Sigh (VCV only):
Number, Events per hour, Volume,
and Max. Pressure.
- ⊕ Inspiratory Sensitivity:
(below PEEP)
 - Flow Triggered : 0.2-15L/min
 - Pressure Triggered:0.5-20cmH₂O
- ⊕ Pause insp/Exp (vcv only) :
0 to 2 seconds with 0.25 s increments.

- ⊕ Nebulizer
- ⊕ **Advanced Respiratory Analysis**
 - ⊕ AUTO PEEP
 - ⊕ Static and Dynamic Compliance
 - ⊕ inspiratory and Expiratory
Resistance
 - ⊕ Slow Vital Capacity : Actual / Best
 - ⊕ Maximum inspiratory pressure
(Pi max)
 - ⊕ Imposed work of Breathing(WOBI)
 - ⊕ Trapped Volume:
Tidal volume/Total Volume/
Trapped
 - ⊕ Occluded inspiratory effort during
100ms(P 0.1)
 - ⊕ Inflexion Points of The P/V Curve
(P/Vflex)
 - ⊕ Rapid Shallow breathing index
(F/VT index)
- ⊕ **Exhalation parameters**
 - ⊕ Airway Pressure :
Peak, Plateau, Mean,PEEP
 - ⊕ Inspiratory time (Ti) and Expiratory
time (Te)
 - ⊕ I : E Ratio Current
 - ⊕ Rate : Total rate expressed in
breaths per minute
 - ⊕ Expired Tidal volume
 - ⊕ Expired Minute Volume
 - ⊕ O₂ Percentage

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EHYA DARMAN PISHRAFTEH CO.

View Website



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