

**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.



BACK



MENU



0477



Intensive Care Ventilator

Brand: **EDP**

Model: **DIOMEDE**

ADDITIONAL FEATURES

- ⊕ High quality and userfriendly Smooth graphical interface with touchscreen 18.5"
- ⊕ Capnography
- ⊕ Integrated Air Compressor

Patient Category: Neonate - Pediatric - Adult

[VIEW NOTABLE FEATURES](#)

[VIEW TECHNICAL DATA](#)

Intensive Care Ventilator

Brand: **EDP**
Model: **DIOMEDE**



18.5" touchscreen LCD display	Drug nebulizer
Tidal volume from 2 ml	Can operate over 3 hours with internal battery
Display and storage of breathing loop and curve	Information transfer to the central computer for reporting
Capnograph and waveform capnograph display	Advanced Proximal sensor for NEO state
Advanced breathing analysis	Screen swipe feature
Simultaneous graphical display of pulmonary ventilation and the 4 main Respiratory parameters	Ability to perform various breathing maneuvers: Auto PEEP-Po.1-PI max
Auto emergency mode	Leak compensation

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



Intensive Care Ventilator

Brand: **EDP**

Model: **DIOMEDE**

USER INTERFACE

- ⊕ High quality and smooth graphical User Friendly Interface
- ⊕ Type: Projected Capacitive Touch
- ⊕ Size: 18.5"
- ⊕ Resolution: 1366x768

RESPIRATORY MECHANICS

- ⊕ Auto-PEEP: RC Measure
- ⊕ P0.1: Pl(max)
- ⊕ Trapped Volume: Slow Vital Capacity
- ⊕ PV Flex: Vd/Vt Physiologic

PNEUMATIC SPECIFICATIONS

- ⊕ Inlet Range (Air and Oxygen): 3.5 - 7 bar
- ⊕ Air Inlet Type: DISS Male 3/4"
- ⊕ Oxygen Inlet Type: Diss Male 9/16"

ADJUSTABLE PARAMETERS

- ⊕ Frequency: 1 - 150 bpm
- ⊕ Tidal Volume: 2 - 2500 ml
- ⊕ Insp. Pressure: 2 - 100 cm H₂O
- ⊕ Insp. Time: 0.1 - 3.0 s
- ⊕ PEEP: 0 - 50 cm H₂O
- ⊕ Rise Time: 0.1 - 0.6 s
- ⊕ Flow Shape: Square or Decreasing
- ⊕ Pressure Support: 0 - 100 cm H₂O
- ⊕ Insp. O₂: 21 - 100%
- ⊕ Pressure Trigger: 0.2 - 20 cm H₂O
- ⊕ Flow Trigger: 0.2 - 15 lpm
- ⊕ Exp. Trigger: 5 - 80%
- ⊕ Volumetric Sigh: On/Off
- ⊕ Insp. Hold: On/Off
- ⊕ Exp. Hold: On/Off
- ⊕ Nebulizer: On/Off

VENTILATOR OPERATING SPECIFICATIONS

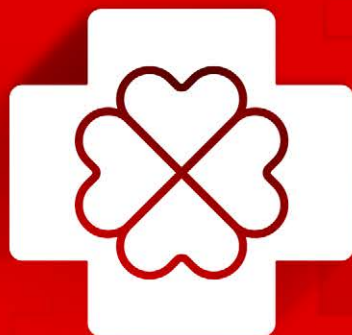
- ⊕ Type: Compressed Air Ventilator
- ⊕ Patient Range: Neonate, Pediatric, Adult
- ⊕ Ventilation Modes:
 - Volume Controlled (VCV, VSIMV + PS)
 - Pressure Controlled (PCV, PSIMV + PS, NIV, PRVC, TCPL, NSIMV + PS)
 - CPAP/PS (CPAP, PSV, MMV+PSV, PSV(Vtguaranteed), APRV, CPAP + CF)
- ⊕ Ventilation Type: Invasive or Non Invasive
- ⊕ Flow Sensor: Distal and Proximal

ELECTRICAL SPECIFICATIONS

- ⊕ Main Power:
 - Power Supply: 110-220 V, 50-60 Hz
 - IEC 601: Class 1, Type B
 - Power Cord: Any Type Available
- ⊕ Backup Power:
 - Run Time: ≥ 120 min
 - Battery Type: li-ion
 - Life Span: ≥ 3 Years

ENVIRONMENTAL SPECIFICATIONS

- ⊕ Operation:
 - Ambient Temp: 10-40 C°
 - Ambient Pressure: 507-1060 hPa
 - Relative H: 10-95%, 4700m
- ⊕ Storage:
 - Ambient Temp: 40-70 C°
 - Ambient Pressure: 507-1060 hPa
 - Relative Humidity: 10-95%



EHYA DARMAN PISHRAFTEH CO.

View Website



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