

**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



Anesthesia Machine

Brand: **EDP**

Model: **EDP-NEPTUNE**

Operative Modes

- ▶ (A) CMV
- ▶ (A) PCV
- ▶ SIMV
- ▶ MANUAL/SPONT

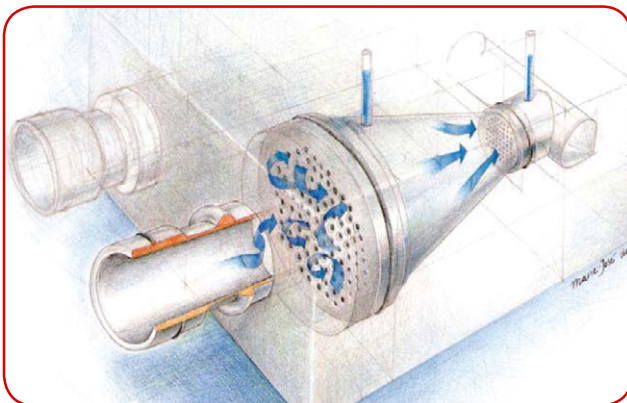
Patient Category: Neonate - Pediatric- Adult

[VIEW NOTABLE FEATURES](#)

[VIEW TECHNICAL DATA](#)

Anesthesia Machine

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Parameters Display:

- ⊕ PEEP
- ⊕ Mean
- ⊕ Peak Pressure (PIP)
- ⊕ Airway Pressure
- ⊕ Plateau Pressure
- ⊕ Expiratory Tidal Volume
- ⊕ Expiratory minute Volume
- ⊕ Fio2
- ⊕ Compliance

Patient pulmonary compliance display	Tidal volume from 10 cc
Low Flow operation	Smart Voluprotect - Baroprotect protection of pulmonary contusion
With separate selectable path of fresh gas for use in the T-Piece	Up to 8 hours can operate with internal battery
Automatic change from manual to ventilator mode	Smart leakage compensation
Advanced permanent flow sensor technology with 10-year warranty	Patient exhalation information display
Effective ventilator monitoring with breathing graph display	Adjustable patient breathing volume from 10 cc to 1600 cc and RATE from 4 to 80

ORC/ORMC/N2O cut-off alarm system

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Anesthesia Machine

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TECHNICAL DATA VENTILATOR:

⦿ Principle

- Bag-in-bottle system

⦿ Ventilation modes

- SIMV, CMV, PCV, manual, spontaneous

⦿ Tidal volume (CMV)

- 10 - 1600 ml

⦿ Ventilation frequency

- 4 - 80 breaths per minute

⦿ I:E ratio

- 1:1, 1:1.5, 1:2, 1:3, 1:4, 1:5, 1:6,
- 2:1, 3:1, 4:1

⦿ inspiratory pause (Tip / Tp)

- 0 - 50%

⦿ Low oxygen alarm limit

- 18 - 98 %

⦿ Measured parameters

- Expired tidal volume, frequency,
- Minute volume, PIP, Plateau pressure,
- PEEP, Mean pressure,
- Airway pressure

⦿ Peak pressure (PCV)

- 5 - 70 mbar

⦿ Peep (electronic)

- 0 - 20 mbar

⦿ Upper pressure alarm limit

- 8 mbar to 98 mbar
- High oxygen alarm limit
- 20 - 99 %-OFF

⦿ Trigger

- -2 to -20 mbar above PEEP

⦿ Features

- Flow and temperature compensated
- Volume of CO₂ absorber 1,5 litres
- 'Quick change' canister system With oxygen ratio controller. Guarantees a minimum of 25% oxygen.
- N₂O cut-off if O₂ fresh gas valve is closed or if O₂ pressure drops below 2,5 bar.

⦿ Lower pressure alarm limit

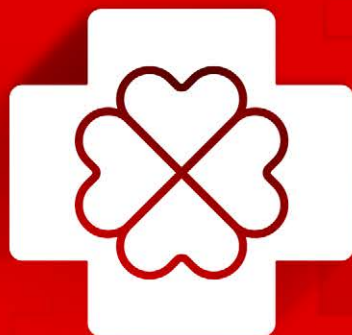
- 2 mbar to 92 mbar (CMV) 2 mbar to 66 mbar (PCV)

⦿ Audible and visual Alarms

- Low air/O₂/N₂O input pressure
- Apnea alarm, O₂ alarms
- Upper/lower limit alarm
- User and Technical alarms
- Major leak or patient disconnection

⦿ Battery backup

- Minimal 8 hours when fully charged



EHYA DARMAN PISHRAFTEH CO.

View Website



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