



Tec 820 Vaporizer

Combining clinical performance with ergonomic design

The agent specific Tec™ 820 Vaporizer from GE Healthcare delivers isoflurane and sevoflurane effectively and efficiently. Each Tec 820 presents an improved ergonomic design, with consistent agent delivery and reliability while reducing total cost of ownership

Features

- Tec 820 agent specific vaporizers are designed to deliver isoflurane and sevoflurane anesthetic agents
- Provides output consistent with the dial setting throughout the clinical flow range
- Easy to turn dial and fine graduations help control agent delivery
- Enhanced design with consistent, reliable operation over the product life
- Tec 820 vaporizer supports the Easy-Fil agent filling mechanism
- Improved ergonomics and contemporary design complements GE Healthcare's anesthesia systems
- Attaches to GE Healthcare interlocking Selectatec™ manifold
- No planned factory service needed
- Three-year warranty



Clinical performance

- Tec 820 Vaporizers are designed to provide consistent output throughout the clinical flow range from 200 ml/min to 15 l/min. Models are available for isoflurane and sevoflurane
- Tec 820 Vaporizers are equipped with a large diameter control dial with graduations up to 5% V/V (isoflurane models) or 8% V/V (sevoflurane models)
- The easy turning dials and small graduations on the Tec 820 Vaporizer help you fine tune anesthetic delivery over the full range of dial settings and flow rates

Enhanced ergonomics

- The ergonomic dial release on the Tec 820 Vaporizer allows either left or right hand operation
- Wide, centered liquid level indicator provides a clear indication of the fill level of the vaporizer
- Easy to turn dial with enhanced readability

Lower overall ownership costs

- The Tec 820 Vaporizer has no planned factory service, which helps lower the total cost of ownership and eliminate the logistical challenges associated with the return of vaporizers to the factory. For complete user maintenance requirements, refer to the User Reference Manual
- The Tec 820 Vaporizer comes with a three-year warranty

Reliability, convenience, and operating excellence

- Tec 820 is compatible with modern agent filling systems that simplify filling and help minimize agent leaks while filling
- To minimize filling frequency, the Tec 820 Vaporizer can hold up to 300 ml of anesthetic agent
- The Tec 820 Vaporizer can be mounted on GE Healthcare anesthesia systems equipped with the Selectatec manifold without tools and without taking the anesthesia system out of service
- The Tec 820 Vaporizer also interlocks in series with GE Healthcare Tec 7 and Tec 6 Plus Vaporizers
- The non-spill system in the Tec 820 Vaporizer limits movement of liquid agent if the vaporizer is tilted or inverted, protecting internal components and helping maintain output within clinically acceptable limits



Easy-Fil helps simplify agent filling



Tec 820 agent specific vaporizers

Physical specifications

| | | |
|--------------------------------------|--|---------------------|
| Dimensions | | |
| Height: | | 25 cm |
| Depth: | | 22 cm |
| Width: | | 11 cm |
| Weight: | | 7 kg dry |
| Agent capacity | | |
| Total capacity: | | 300 ml |
| Capacity between min/max fill marks: | | 170 ml |
| Wick system capacity: | | 75 ml approximately |

Pneumatics specifications

| | |
|---------------------------------|--|
| Calibration and flow resistance | |
| Calibration: | Calibration of all models is done at 21°C using O ₂ as carrier gas, 5 l/min fresh gas flow, at sea-level ambient pressure |
| Isoflurane models: | Control dial calibrated up to 5% V/V. The control dial is marked in steps of 0.25% up to 1% and in steps of 0.5% between 1% and 5%. |
| Sevoflurane models: | Control dial calibrated up to 8% V/V. Control dial is marked in steps of 0.25% up to 1% and in steps of 0.5% between 1% and 8%. |
| Flow resistance: | OFF: Isolated, no resistance from vaporizer ON: 5 l/min O ₂ : <20 cmH ₂ O |

| | |
|---------------------|--|
| Accuracy | |
| Isoflurane models: | ±0.25% of delivered agent or ±20% of control dial setting (whichever is greater) |
| Sevoflurane models: | +0.6/-0.4% of delivered agent or ±20% of control dial setting (whichever is greater) |
| Fresh gas flow: | 200 ml/min to 15 l/min |

Environmental specifications

| | | |
|-----------------------|--|---|
| Operation | | |
| Temperature: | | 15°C to 35°C |
| Humidity: | | 15% to 95% relative humidity (non-condensing) |
| Ambient pressure: | | 500-800 mmHg |
| Storage and Transport | | |
| Temperature: | | -25°C to 60°C |
| Humidity: | | 15% to 95% relative humidity (non-condensing) |
| Ambient pressure: | | 400-800 mmHg |
| Service | | |
| | | Planned factory service free |

MRI Safety Information

MR Conditional

Agent filling systems

Isoflurane models: Easy-Fil™
Sevoflurane models: Easy-Fil

Note: may not be available in all regions

Warranty

Warranted to be free from functional defects in materials and workmanship for a period of three years from the date of original delivery.



Agent color coded Easy-Fil adapters



GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter – great people and technologies taking on tough challenges.

From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

Imagination at work

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