



Tec 850 Vaporizer

Combining clinical performance with ergonomic design

The agent specific Tec™ 850 Vaporizer from GE Healthcare delivers isoflurane and sevoflurane effectively and efficiently. Each Tec 850 presents an improved ergonomic design, with consistent agent delivery and reliability while reducing total cost of ownership.

Features

- Tec 850 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 850 vaporizer supports a variety of contemporary agent filling mechanisms
- Improved ergonomics and contemporary design complements GE Healthcare's anesthesia systems
- Attaches to GE Healthcare interlocking Selectatec™ manifold
- No planned factory service needed
- Five-year warranty period



Clinical performance

- Tec 850 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 850 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 850 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 850 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 850 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 850 Vaporizer comes with a five-year warranty

Reliability, convenience, and operating excellence

- Tec 850 is compatible with modern agent filling systems that simplify filling and help minimize agent leaks while filling
- To minimize filling frequency, the Tec 850 Vaporizer can hold up to 300 ml of anesthetic agent
- The Tec 850 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 850 Vaporizer also interlocks in series with GE Healthcare Tec 7 and Tec 6 Plus Vaporizers
- The non-spill system in the Tec 850 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 850 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 ±15% of control dial setting (whichever is greater)
Sevoflurane models:	±0.4% of delivered agent or ±15% 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, Quik-Fil™, SAFE-T-SEAL™, Piramal Fill

Note: may not be available in all regions

Warranty	
	Warranted to be free from functional defects in materials and workmanship for a period of five 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.

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Imagination at work

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