

GE Healthcare

# Tec 7 Vaporizer

Combining clinical performance  
with ergonomic design

The Tec® 7 Vaporizer from GE Healthcare delivers isoflurane, sevoflurane, enflurane and halothane effectively and efficiently. Each agent specific Tec 7 incorporates significant performance, convenience and ergonomic benefits with important safety features to help improve agent delivery and reliability while reducing overall operating costs.



## Features

- Tec 7 agent specific vaporizers are designed to deliver isoflurane, sevoflurane, enflurane and halothane 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
- Three filling options: Easy-fil<sup>®</sup>, funnel fill, or Quik-Fil<sup>™</sup> (sevoflurane only)
- Enhanced design helps improve reliability, operating excellence and product life
- Easy-fil filler is designed to simplify agent filling and help minimize agent leaks while filling. Tec 7 is also available in funnel fill and Quik-Fil (sevoflurane only) variants
- Improved ergonomics and contemporary design complements GE Healthcare's anesthesia systems
- Attaches to GE Healthcare interlocking Selectatec<sup>®</sup> manifold
- Planned factory service free
- Three year warranty period

## Clinical performance

- Tec 7 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, sevoflurane, enflurane and halothane.
- Tec 7 Vaporizers are equipped with a large diameter control dial which incorporates fine graduations of 0.2% between 0 and 1%, and 0.5% from 1% to 8%. The dial for sevoflurane is marked in steps of 0.2% up to 1% v/v, and in steps of 1% between 1% and 8%.
- The easy turning dials and small graduations on the Tec 7 Vaporizer help you fine tune anesthetic delivery over the full range of dial settings and flow rates.



Tec 7 agent specific vaporizers

## Enhanced ergonomics

- The ergonomic agent dial release on the Tec 7 Vaporizer allows either left or right hand operation.
- A prismatic site glass on the front panel of the Tec 7 Vaporizer provides clear indication of liquid agent level.

## Lower overall ownership costs

- The Tec 7 Vaporizer is planned factory service free, which helps lower ownership costs 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 7 Vaporizer comes with a three year warranty.



Easy-fil helps simplify agent filling

## Reliability, convenience and operating excellence

- Easy-fil filler is designed to simplify agent filling and help minimize agent leaks while filling. The Tec 7 Vaporizer is also available with funnel fill and Quik-Fil (sevoflurane only) filling mechanisms.
- To minimize filling frequency, the Tec 7 Vaporizer accommodates 225 mL of anesthetic agent.
- The Tec 7 Vaporizer can be mounted on Datex-Ohmeda anesthesia systems equipped with the Selectatec manifold without tools and without taking the anesthesia system out of service.
- The Tec 7 Vaporizer also interlocks in series with Datex-Ohmeda Tec 4, Tec 5, Tec 6 and Tec 6 Plus Vaporizers.
- An innovative non-spill system in the Tec 7 Vaporizer limits movement of liquid agent if the vaporizer is tilted or inverted, protecting internal components and helping maintain output within clinically acceptable limits.

## Physical specifications

### Dimensions

---

Height: 25 cm/9.9 in  
Depth: 21 cm/8.3 in  
Width: 11.4 cm/4.5 in  
Weight: 7 kg/15.4 lb dry

### Agent capacity

---

Charged: 225 mL of free volatile anesthetic agent  
Charging: 300 mL (nominal) to charge dry vaporizers  
Retention: 75 mL (nominal) retained by wick system

## Pneumatics specifications

### Calibration and resistance

---

Calibration: The dials of the Tec 7 Vaporizers for enflurane, isoflurane and halothane are calibrated to 5% v/v in steps of 0.2% up to 1%, and in steps of 0.5% from 1% to 5% at 21°C using O<sub>2</sub> at 5 L/min as the carrier gas

Calibration of

sevoflurane: The dial of the Tec 7 Vaporizer for sevoflurane is calibrated to 8% v/v

Dial is marked in steps of 0.2% up to 1% v/v, and in steps of 1% between 1% and 8%

Resistance

to gas flow: "OFF": Isolated, no resistance from vaporizer  
"ON": 5 L/min O<sub>2</sub>: 10 to 15 cm H<sub>2</sub>O at 21°C ±2°C

Accuracy: 5 L/min O<sub>2</sub> @ 21°C ± 2°C:

Vaporizer 5% ±0.25% of delivered agent  
or ±15% of dial setting  
(whichever is greater)

Vaporizer 8% ±0.4% of delivered agent  
or ±15% of dial setting  
(whichever is greater)

Flowrate: Vaporizers are designed to provide consistent output throughout the clinical flow range from 200 mL/min to 15 L/min



Agent color coded Easy-fill bottle adapters

## Environmental specifications

### Operation

---

Temperature: 18° to 35°C/64° to 95°F

Humidity: 30% to 75% relative humidity (non-condensing)

### Service

---

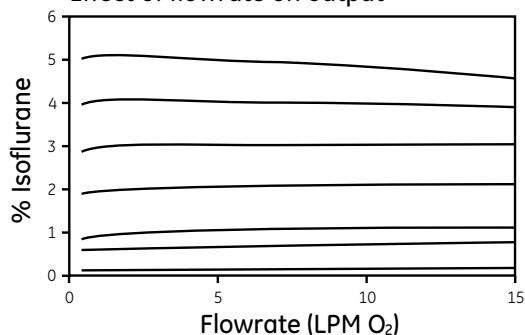
Planned factory service free.

### Warranty

---

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

Effect of flowrate on output



© 2008 General Electric Company – All rights reserved.  
GE and GE Monogram are trademarks of  
General Electric Company.

Quik-Fil is a registered trademark of Abbott Laboratories  
and is currently not available in the United States.

Easy-fil, Tec and Selectatec are trademarks of  
Datex-Ohmeda, Inc.

Datex-Ohmeda, Inc., a General Electric company,  
going to market as GE Healthcare.

For more than 100 years, healthcare providers worldwide have relied on GE Healthcare for medical technology, services, and productivity solutions. So no matter what challenges your healthcare system faces, you can always count on GE to help you deliver the highest quality healthcare. For details, please contact your GE representative today.

GE Healthcare  
P.O. Box 900, FIN-00031 GE, Finland  
Tel. +358 10 394 11  
Fax +358 9 146 3310

[www.gehealthcare.com](http://www.gehealthcare.com)



GE imagination at work