S/5™ Anesthesia Delivery Unit Aladin™ Cassette

**Features**

**Aladin Cassette**
- Designed to deliver enflurane, isoflurane, halothane, sevoflurane and desflurane anesthetic agents
- Three filling options: key fill for halothane, enflurane and isoflurane; Quik Fil™ or key fill for sevoflurane; and Saf-T-Fil™ for desflurane
- Virtually maintenance free

**S/5 Anesthesia Delivery Unit**
- Electronic control provides agent setting data for anesthesia recordkeeping and automatic agent usage calculation
- O₂/N₂O/AA ratio control helps prevent hypoxic fresh gas mixtures—minimum 25% O₂ concentration
- Provides fresh gas flow and concentration compensations
- Vaporizer self check and diagnostics

* Quik Fil is the registered trademark of Abbott Laboratories and currently not available in the United States.
Physical specifications

Dimensions

- Height: 70 mm/2.8 in
- Depth: 230 mm/9.0 in
- Width: 140 mm/5.5 in

Empty weight:
- enflurane, isoflurane, sevoflurane: 2.0 kg/4.4 lb
- halothane: 2.5 kg/5.5 lb
- sevoflurane Quik Fil: 2.5 kg/5.5 lb
- desflurane: 3.0 kg/6.6 lb

Cassette handling
No restriction for tilting during storage or handling.

Agent capacity

- Total: 250 mL
- When cassette indicator shows empty: 150 mL (100 mL residual volume)

Environmental specifications

Filling

- Overfilling protection: Overfilling prevention system built into the cassettes

Temperature

- Operating range: 10° to 35°C/50° to 95°F
- Storage range: -10° to 60°C/14° to 140°F

S/5 ADU Electronic specifications

Accuracy
All agents in typical operating conditions. Fresh gas flow range 0.2 to 8 L/min. Ambient temperature 18° to 25°C/64.4° to 77°F.

Sea level ambient pressure:
- cassette 5% ±0.15% v/v or ±10% (whichever is greater)
- cassette 8% ±0.25% v/v or ±10% (whichever is greater)
- cassette 18% ±0.55% v/v or ±10% (whichever is greater)

In other operating conditions:
- cassette 5% ±0.25% v/v or ±20% (whichever is greater)
- cassette 8% ±0.40% v/v or ±20% (whichever is greater)
- cassette 18% ±0.90% v/v or ±20% (whichever is greater)

Agent setting ranges

- Halothane, enflurane, isoflurane: OFF, 0.1 to 5% in fresh gas flow, resolution 0.1%
- Sevoflurane: OFF, 0.1 to 8% in fresh gas flow, resolution 0.1%
- Desflurane: OFF, 0.5 to 18% in fresh gas flow, resolution 0.5%

Minimum fresh gas flow for agent delivery: 0.2 L/min will allow agent delivery; 0.15 L/min will shut off the agent delivery

Operation

Agent concentration

* Unlike conventional vaporizers, the Aladin Cassette is able to take into account the fresh gas flow concentrations due to the S/5 ADU’s integrated electronic fresh gas flow measurement.