

CircuitGuard® Filter

Instructions for Use

Description

Single-patient-use bacterial/viral filter for use in anesthesia and respiratory care. Standard 15/22 mm conical connectors.

Indications

- Device is intended to protect patients and equipment from contamination.
- Device may either be used on the patient side or on the device side of the ventilator/anesthetic device.
- The products mentioned are designed as disposable, single-patient-use products and should be changed at least every 24 hours.

The CircuitGuard® Filter is a breathing system filter designed to reduce the risk of cross-contamination with airborne or liquid-borne microorganisms and particulate matter via ventilator or anesthetic breathing systems.

Contraindications

1. Do not use in conjunction with conventional heated water humidifiers.
2. Device must be changed every 24 hours or sooner, depending on secretion accumulation.
3. The additional dead space for this device must be taken into consideration when used.
4. Do not use in patients whose expiratory volume is 8% less than inspiratory volume.

Warnings

- Device is intended for single-patient-use and should not be cleaned or reused. Do not sterilize.
- Check for clear airflow prior to use.
- Use appropriate alarms and visually monitor patients on life support equipment.

Instructions for Use

Connect device securely to the breathing system between the mask and y-piece of the circuit. Check for secure connections.

Product Code	Description	Tidal Volume Range	Dead Space
7056	CircuitGuard® Bacterial/Viral Filter with Elbow	100–1000 mL	32 mL

Bacterial/Viral Filtration Efficiency: > 99.99%

- Bacterial Filtration Efficiency (BFE): 99.99+% per MIL-M-36954C, *S. aureus* ATCC# 6538 of approximately 3.1 micron size, 1.5 x 10⁷ challenge.
- Viral Filtration Efficiency (VFE): 99.99+% per MIL-M-36954C, X174 bacteriophage of approximately 2.9 micron size, 5.1 x 10⁶ challenge.

Filtration Operating Principle: Electrostatic

Caution: Federal law restricts this device to sale by or on the order of a physician.