# **ΔVΔNOS**\*

BALLARD\* 1000 HEAT AND MOISTURE EXCHANGE FILTER

Bacterial/ Viral Filtration

Instructions for Use

Single Use Only Rx Only Storage Temperature: -30°C/-22°F +40°C/+104°F REF 157

Distributed in the USA by Avanos Medical Sales, LLC, 5405 Windward Parkway, Alpharetta, GA 30004 USA. In USA, 1-844-428-2667. www.avanos.com

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#### Indication

The BALLARD\* 1000 HMEF can be used to humidify inspired gases and to protect the patient from various types of airborne bacteria.

#### Contraindication

The BALLARD\* 1000 HMEF should not be used together with active humidifiers or during aerosolized medication delivered via the airways.

### Instructions for Use

- Change the HMEF every 24 hours, or sooner if necessary.
- Dead space bacterial filter: 55 ml
- Not for use with nebulizers or active humidifiers.

# **⚠** Cautions

- Read these directions completely before using the product.
- All tubing and its connections to the BALLARD\* 1000 HMEF should be properly attached and checked for leakage prior to use.
- It is recommended that the BALLARD\* 1000 HMEF is changed every 24 hours or sooner if necessary.
- Before use, verify that the BALLARD\* 1000 HMEF has no occlusions and that air will flow through it.

# ⚠ Warning

- The BALLARD\* 1000 HMEF is designed for single use only and should not be cleaned and reused.
- Compensation of ventilation may be necessary when using the BALLARD\* 1000
   HMEF in applications close to the patient, since it will add 55 ml of dead space to
   the system.

# Connection of the BALLARD\* 1000 HMEF to Breathing Circuit

The BALLARD\* 1000 HMEF should be placed between the proximal end of the artificial airway and the Y-piece of the breathing circuit.

## Connectors ISO STD

Patient: 15mm F / 22mm M Machine: 15mm M / 22mm F