




## BALLARD\* 1500 HEAT AND MOISTURE EXCHANGER

### Instructions for Use

|   |         |   |   |
|---|---------|---|---|
|  Single Use Only | Rx Only | Storage Temperature: -30°C/-22°F  +40°C/+104°F |  REF 153 |
|---|---------|---|---|

### Indication

The BALLARD\* 1500 HME is indicated to provide heat and moisture by capturing expired heat and moisture and returning it to the patient's lungs via inspired gases.

### Contraindication

The BALLARD\* 1500 HME is contraindicated in patients producing fulminating, frothy secretions within their airways and lungs. The BALLARD\* 1500 HME should not be used in conjunction with nebulizers or heated humidifiers.

### Instructions for Use

- Change the HME every 24 hours, or sooner if necessary.
- Not for use with nebulizers or vaporizing humidifiers.

### Cautions

- Patient tubing and its connections to the BALLARD\* 1500 HME should be properly attached and checked for leakage prior to use.
- During the use of the BALLARD\* 1500 HME, the patient should be closely monitored and proper airway care undertaken if complications arise.
- The BALLARD\* 1500 HME should be changed every 24 hours or more often as required.
- The patient's need for additional humidity should be evaluated often by medical personnel.
- Before use, verify that the BALLARD\* 1500 HME has no occlusions and that air will flow through it.

### Warning

- The BALLARD\* 1500 HME is designed for single use only and should not be cleaned and reused.
- Compensation of ventilation may be necessary when using the BALLARD\* 1500 HME since it will add 35 ml of dead space to the system.

### Connection of the HME to Breathing Circuit

The BALLARD\* 1500 HME should be placed between the proximal end of the artificial airway and the Y-piece of the breathing circuit.

### Connectors ISO STD

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