

# Portex™ Thermovent™ T2

## Heat and moisture exchanger with oxygen and suction port



### Product Description

Thermovent T2 is a sterile, single use heat and moisture exchanger which provides effective humidification for spontaneously breathing patients whose upper airways are bypassed by a tracheal or tracheostomy tube. It has a port for administering supplementary oxygen and a port to allow removal of secretions by suction.

### Indications

The Portex Thermovent T2 is indicated for:

- › For use on adult and pediatric patients with a tidal volume more than 70 mL
- › Reduction of heat loss through the broncho pulmonary tree
- › Helping to prevent thickened secretions and changes in lung function
- › Supplying additional oxygen when required.
- › Facilitating the removal of secretions
- › Preserving humidity and minimising damage to tracheal epithelial cells

### Contra-Indications

Do not use where tenacious secretions or mucous plugging develop, suitable therapy must be instituted, to avoid blockage of device.

### Precautions

As with all airway management products, the security of all connections and patency of the system and device should be checked prior to use.

This device should only be used with spontaneously breathing patients.

The effect of the additional deadspace volume of this device should be evaluated on an individual patient basis. Normal precautions for use of suction catheters and oxygen delivery should be observed.

This device must be used as described in these instructions and in accordance with currently accepted medical techniques.

Federal (USA) law restricts this device to sale by or on the order of a physician.

Dispose of this product in a safe manner according to local guidelines for disposal of contaminated waste.

### Device Classification

GMDN: 35530

Classification: Class IIa

### Component Composition

Housing: Polypropylene HP371P Natural.

HME Media: Corrugated paper

### Manufacturing Site Name and Address

ICU Medical, Inc.

6000 Nathan Lane North

Minneapolis, MN 55442, USA

### Country of Origin

Mexico

### Sterilisation Method

Irradiation

### Shelf-Life

5 years

## Labelling and Packaging

Packaging Dimensions			
Container Type	Length (mm)	Width (mm)	Height (mm)
Single Unit	115	55	31
Shelf Carton (50 units)	175	175	166
Transit Carton (600 units)	550	373	363

One Thermovent T2 unit is packaged per Flexible Horizontal Form, Fill and Seal (HFFS). The label is printed with product specific information. Product is sterile, non-toxic and non-pyrogenic unless package is open, wet, or damaged. Discard if open, wet, or damaged. Fifty (50) units are packed per shelf carton, and twelve (12) shelf packs are packed per transit carton.

## Product Specifications

Thermovent T Specifications			
Product Code	Moisture Output	Resistance to Flow	Deadspace
100/570/022	25 mg/L H <sub>2</sub> O @ 15 breath/min Tidal volume 500 mL	0.3 hPa (cmH <sub>2</sub> O) at gas flow rate 0.5 L/sec (30 L/min) [0.6cm H <sub>2</sub> O/L/sec] 0.7 hPa (cmH <sub>2</sub> O) at gas flow rate 1.0 L/sec (60 L/min) [0.7cm H <sub>2</sub> O/L/sec] 1.2 hPa (cmH <sub>2</sub> O) at gas flow rate 1.5 L/sec (90 L/min) [0.9cm H <sub>2</sub> O/L/sec]	11 mL

## Inspired Oxygen Concentrations (%)

15 breath/min. Tidal Volume 500 mL.										
O <sub>2</sub> L/min	1	2	3	4	5	6	7	8	9	10
O <sub>2</sub> %	27	33	37	42	45	47	53	54	57	60

For more information, visit [www.icumed.com](http://www.icumed.com)

ALWAYS READ THE LABEL AND FOLLOW THE DIRECTIONS FOR USE