

# Taema



## ■ MODERN

Thanks to electronics, professional emergency ventilator teams now have every modern facility for:

- Assisted Controlled Volume Ventilation mode
- Adjustable inspiratory trigger
- Adjustable I:E ratio
- Tachypnea type alarm

## ■ INNOVATION

L'**OSIRIS 2** is equipped with PS-PEEP.

This world first for emergency and transportable use opens new horizons for:

- Non-invasive ventilation
- High quality inter-hospital ventilation
- Patient Ventilator synchronization

## ■ AUTONOMY

Ten hours of electrical autonomy!

The **OSIRIS 1** and **OSIRIS 2** ventilators have considerable autonomy, linked to an impressively low oxygen consumption of only 1 l/min.

## ■ SIMPLICITY

Nothing could be easier for the user. **OSIRIS 1** and **OSIRIS 2** ventilators have been designed and developed in consultation with users for rapid and easy operation.

## ■ ROBUSTNESS

The ABS housing protects the internal components against any mechanical shock.

# OSIRIS<sup>2</sup>

# OSIRIS<sup>1</sup>

2001,  
*Birth of a  
New range*



AIR LIQUIDE

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## SPECIFICATIONS OSIRIS

### Applications

Adult - Paediatrics  
 Emergency - Transportation - Inter-hospital transportation -  
 Post-operative recovery

### Ventilation modes

Controlled Ventilation or Assisted Controlled Volume Ventilation with integrated PEEP with:  
 - either pure oxygen  
 - or an air/oxygen mixture

#### OSIRIS 2

Spontaneous Ventilation with Pressure Support and PEEP, which may be applied non-invasively using a mask, this being done in a controlled pressure safety mode.  
 Minimum respiratory rate setting that guarantees adequate ventilation, even if spontaneous patient respiration stops.

### Control

Tidal volume ..... 100 to 1500 mL  
 Respiratory rate ..... 6 to 40 c/min  
 PEEP ..... 0 to 15 cmH<sub>2</sub>O  
 Inspiratory trigger ..... 0.5 to 4 cmH<sub>2</sub>O  
 I/E ratio ..... 1:3 to 1:1  
 Fi O<sub>2</sub> ..... 100% or air/O<sub>2</sub> mixture  
 CMV - AcMV mode with 100% O<sub>2</sub>  
 CMV - AcMV mode with air/O<sub>2</sub> mixture

#### OSIRIS 2

Pressure Support ..... 5 to 40 L/min  
 PS - PEEP mode with air/O<sub>2</sub> mixture

### Alarms

Alarm: audible and visual, with liquid-crystal alarm message display.

P<sub>max</sub> ..... 10 to 80 cmH<sub>2</sub>O  
 P<sub>min</sub> ..... 5 to 10 cmH<sub>2</sub>O above the PEEP<sup>2</sup>  
 I<sub>max</sub> ..... 20 to 60 L/min

Mains or battery power indicator  
 Electrical autonomy indicator  
 Electrical power supply defect alarm

### Monitoring

Bargraph pressure display ..... -4 à 80 cmH<sub>2</sub>O

Frequency  
 I/E ratio

### Technical characteristics

Size (L x H x D) ..... 250 x 210 x 170 mm  
 Weight ..... 5,0 kg  
 Gas consumption of unit itself ..... 1 L/min  
 Pneumatic supply ..... 2,8 to 6 bar  
 Internal power supply ..... NiCd battery pack  
 Battery autonomy ..... 10 h  
 Time to charge battery ..... 10 h  
 AC/DC mains power supply adapter:  
 - Input ..... 230 V/50 Hz  
 - Output ..... 15 V/6 W  
 CMV/ACMV peak flowrate ..... 100 L/min

#### OSIRIS 2

PS/PEEP peak flowrate ..... 130 L/min



**OSIRIS 1 and 2** ventilators are equipped with the following accessories:

- Patient circuit: silicone tube, control tube, 3 way valve, brackets
- Adult mask
- Child mask
- Transportation bag
- NiCd battery
- Mains power supply pack
- Oxygen supply tube

*Taema is an activity of AIR LIQUIDE Santé International*

**AIR LIQUIDE Santé: a mission, an ethic, an ambition.**

*In more than 40 countries, the mission of AIR LIQUIDE Santé employees is to improve healthcare extended to patients, whether in hospitals or at home.*

*Their ethic requires commitment to the welfare of patients and support to all the people who look after them.*

*Their ambition is the development of the AIR LIQUIDE group in the Healthcare profession.*



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