

# Taema



## NEFTIS

### *In the Hospital or at Home*

#### *Versatile Ventilation In the Event of Respiratory Insufficiency*

##### ■ VERSATILITY

**NEFTIS** is the first ventilator of its kind with many types of ventilation, volume, pressure, or mixed modes, for adults to paediatrics.

##### ■ EASE OF USE

**NEFTIS** has a large screen that displays easily read messages, facilitates the setting and monitoring of parameters, and makes for easy operation.

A fine tool for those prescribing patient parameters, the **NEFTIS** screen displays ventilation curves, the trends of measured parameters, and a detailed alarm history.

##### ■ SAFETY

**NEFTIS** is equipped with a microprocessor that is dedicated to monitoring the vital elements of the ventilator's main system (pressure and flow generators, sensors), thus giving unequalled safety.

##### ■ MODULARITY

**NEFTIS** can be used with a single branch that has its own valve or with a double-branch circuit equipped with an expiratory flowrate sensor. Each system is used independently and there is no risk of confusion.

With these two environments, **NEFTIS** provides the precision of detailed monitoring necessary for hospital use, and gives the simplicity required by the user of a home ventilator.

**NEFTIS** thus ensures selectively locked parameter settings for maximum safety in home care use.

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## TECHNICAL SPECIFICATIONS

### Applications

Adults - Paediatrics  
Home and hospital respiratory assistance

### Ventilation modes

CMV/ACMV .....Volume Ventilation/Assist Controlled Ventilation in Volume  
PCMV/APCMV .....Pressure Controlled/Assist Pressure Controlled  
SIMV .....Synchronised Intermittent Mandatory Ventilation  
PS-PEEP .....Pressure Support with PEEP  
(With or without guaranteed minimum tidal volume)

### Patient interface

Invasive .....intubation, tracheotomy probe  
Non - invasive .....mask  
Patient circuit .....single or double branch

### Controls

Tidal volume .....50 mL to 2000 mL  
Flow shape .....constant or decelerated  
Respiratory rate .....5 to 60 b/min  
I:E ratio .....4 to 1:1  
Or  
Ti/Ttot .....20 to 50%  
Or  
Peak flowrate (only for constant flowrate in CMV) .....2 to 99L/min  
SIMV respiratory rate .....1 to 40 b/min  
PEEP .....0 to 20 hPa  
Insufflation pressure .....5 to 50 hPa  
Pressure support (above PEEP) .....5 to 30 hPa  
Pressure slope .....gentle or rapid (50 to 150 hPa /s)  
Inspiratory trigger .....Sensitive - Average - High - None  
Expiratory trigger .....90% to 10% of peak flowrate  
T<sub>imax</sub> .....0.5 sec to 3 sec  
Vt min guaranteed / Vt safety .....90 to 2,000 mL  
Oxygen enrichment .....0 to 15 L/min

### Alarms

Audible and visual, with messages displayed on a liquid crystal screen  
P<sub>max</sub>  
Disconnection  
V<sub>minute</sub> min  
F<sub>max</sub>  
Vt min/max  
Fi O<sub>2</sub> min/max  
Power supply defect  
Technical alarms

### Monitoring

Screen displaying all measured parameters / bargraph 0 to 80 hPa  
Screen displaying curves in real-time: Flowrate and Pressure  
Screen displaying trends of all parameters  
Screen displaying alarm settings / measured values  
Screen displaying history of alarms

### Technical Characteristics

Mains power supply .....universal input / 93.5 V to 253 V / 47Hz to 63 Hz  
Internal battery .....Watertight lead acid battery 12V, 5Ah  
External battery .....Input 10.5 to 30 VDC  
Operating temperature range .....from +5°C to +50°C  
(relative humidity < 95 %)  
Dimensions (L x W x D in mm) .....300 x 248 x 320  
Weight .....14.0 kg  
Noise level .....39 dB(A)

## REFERENCE NUMBERS AND ACCESSORIES

NEFTIS ..... KC020000

### NEFTIS is supplied with the following accessories:

Re-usable 3-way expiratory valve .....KY516900  
Single-use, single-branch patient circuit .....KY509100  
Bacteriological filter .....KV379500  
Carrying bag .....KF006600  
Multilanguage User Manual .....YL031000

### Options

Single-use, single-branch patient circuit (x 15) .....VD315100  
Autoclavable single-branch patient circuit .....KG018700  
Re-usable 3-way expiratory valve for single-branch patient circuit .....KY516900  
Bacteriological filters (x 6) .....KY185200  
**Double branch**  
Double-branch kit (1 expiratory block, 1 flowrate sensor, 1 front trap) .....KC020600  
Single-use double-branch patient circuit (x 15) with 2 water traps .....VD315100  
Double-branch autoclavable patient circuit with 2 water traps .....VB095200

### Humidifying

Humidifier MR 410 .....VD027420  
Single use chamber (x 40) .....VD027440  
Adult re-usable chamber MR 370 .....VD027360  
Adult spiral tubing, autoclavable L: 600 mm (for bedside table humidifier) .....KT084901  
Humidifier clamp support for wheeled base .....VD027460

### Accessories

3-branch articulated chromed arm .....KB005200  
Support rail for articulated arm .....KY252800  
Wheeled base .....KB018100  
Bedside table .....KC020400  
External battery block .....KC020500  
Charger for external battery .....KC021800

### Various

Flowrate sensor (inspiratory or expiratory) .....KC020400  
O<sub>2</sub> cell .....YR049700  
SELECTAFLO flowmeter 0-15 L/min .....CM064400  
NEFTIS Multilanguage User Manual .....YL031000  
NEFTIS Maintenance Manual, French .....YM023700

*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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