

Taema

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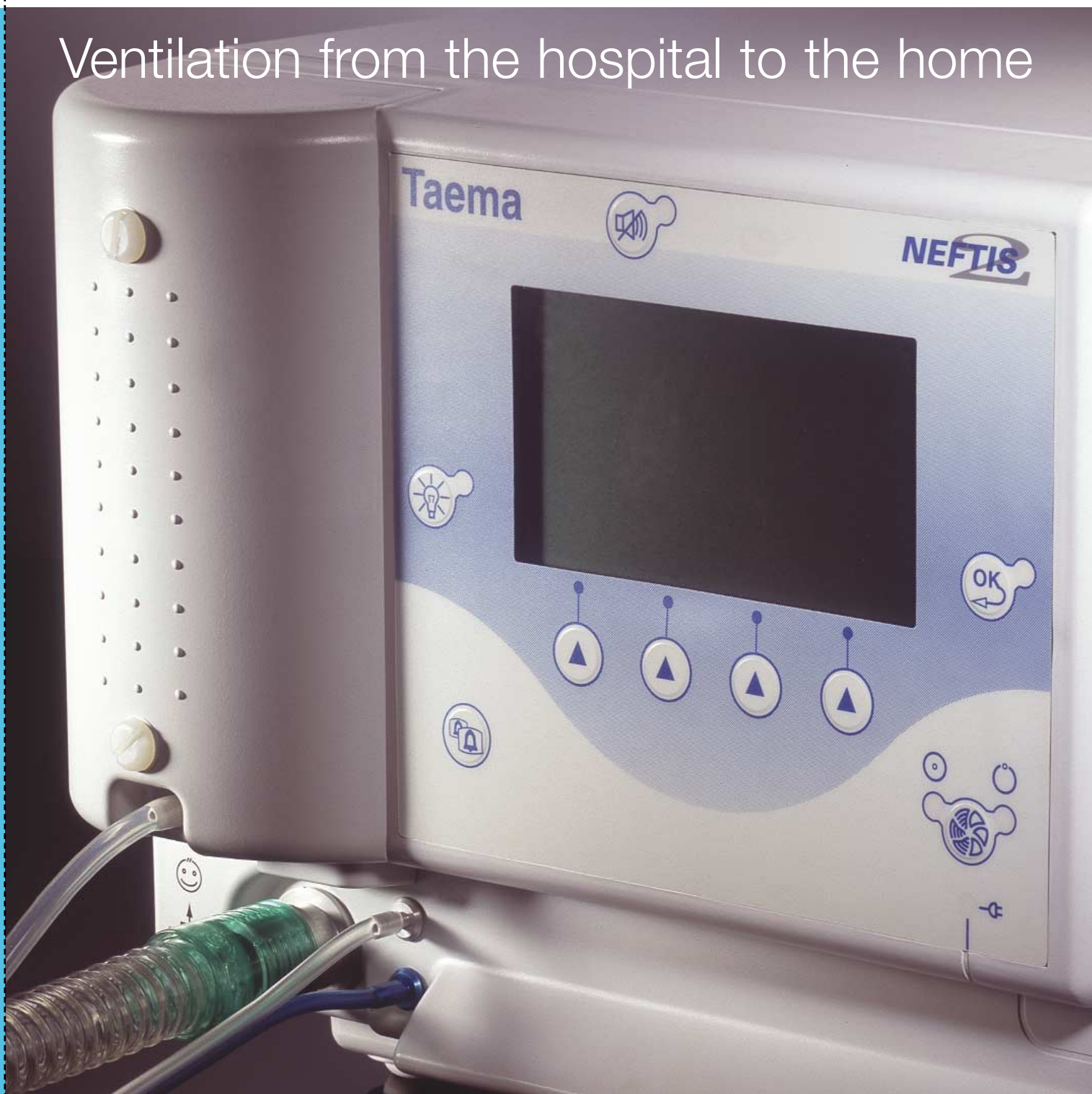


Founded in 1902 and now present in 65 countries with 30 800 employees, Air Liquide is the world leader in industrial and medical gases related services. The Group offers innovative solutions based on constantly enhanced technologies to help manufacture many indispensable everyday products and preserve life.

Taema

NEFTIS 2

Ventilation from the hospital to the home



Performance in the event of respiratory insufficiency



Neftis 2

is a versatile respiratory assistance ventilator that provides adapted treatment in hospital and high-performance ventilation at the patient's home.

Performance:

- *Expired spirometry analysis with a single-branch patient circuit.*
- *Increased sensibility of triggers:*
- *5 positions for perfect adaptation for both to adults and children.*
- *Immediate response to minimise the patient's work of breathing.*
- *Broad compatibility with existing single-use and standard circuits.*

Versatility:

A broad selection of barometric, volumetric and mixed ventilation modes provides ventilation adapted to adults and children for treatment in hospital and at the patient's home:

Two specific configurations:

- for the hospital: it has all the functions of an intensive care ventilator with intuitive use;
- for the home: it offers simplified screens with a selective locking of settings.

User-friendliness:

Neftis 2's wide screen allows simple and intuitive settings for an accurate patient monitoring.

A real tool for the prescribing physician and the service-provider, it displays:

- ventilation curves
- trends
- settings changes
- alarms history

For home use, Neftis 2 is designed to clearly display only the information or messages that the patient needs.

An architecture committed to safety:

The main systems of Neftis 2 are duplicated to ensure total patient safety.





Neftis 2
is adapted
for both
adults and
children.

Technical specifications

Applications

- Adults - Children
- 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 with proximal flow sensor 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 1/4 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)
- 5 positions inspiratory trigger children: 1-2-3 / adults: 3-4-5 (1=sensitive - 5=less sensitive)
- Expiratory trigger 90% to 10% of peak flowrate
- Timax 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 / Pmax disconnection
Vminute min / Fmax / Vt min/max / Fi O2 min/max / Power supply defect / Technical alarms

Monitoring

- Single-branch expiratory spirometry
- 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 mm) 300 x 248 x 320
- Weight 14,0 kg
- Noise level 39 dB(A)

Reference numbers and accessories

- **NEFTIS 2** KYO30000
NEFTIS is supplied with the following accessories:
- Re-usable 3-way expiratory valveKY516900
- Single-use, single-branch patient circuitKY509100
- Bacteriological filterKV379500
- Carrying bagKF006600
- Multilanguage user manualYL037000
- Proximal flow sensorKY530400

Consumables

- Autoclavable single-branch patient circuitKG018700
- Bacteriological filters (x 6)KY185200

Humidifying

- Humidifier MR 410VD027420
- Humidifier MR 850 with a heating wire (Fr., GB, Sp.)XD324500
- Humidifier MR 850 with a heating wire (It., Por., Sp.)XD324700
- Single use chamber (x 40)VD027440
- Adult re-usable chamber MR 370VD027360
- Adult spiraled tubing, autoclavable L: 600 mm (for bedside table, for humidifier)KT084901

Accessories

- 3-branch articulated chromed armKB005200
- Support rail for articulated armKY252800
- Wheeled baseKB018100
- Bedside tableKC020400
- External battery blockKC020500
- Charger for external batteryKC021800

Various

- Flowrate inspiratory sensorKY318300
- O₂ cellYR049700
- SELECTAFLO flowmeter 0-15 L/minCM064400
- NEFTIS and NEFTIS 2 maintenance manualYM023800