

Medical Products Research

Respiratory products for patient at home or in hospital since 2005



INSPIRATION IN RESPIRATORY THERAPY



KALOS

The best solution for clearing the airways.
Simple, safe, non-invasive.
User friendly for patients and respiratory care givers.

KALOS

Clearing tracheobronchial secretions:

In order to remove the secretions in a non-invasive way, avoiding the use of suction catheters and reducing infection risk and discomfort, we developed a medical device with various techniques.

Cough assist:

The choice between manual, automatic and synchronized mode makes the therapy customizable. The possibility of save three therapy profile helps the patient in the daily treatment. Four insufflation air flow rates makes the therapy more comfortable.

Free aspire:

During expiration, the expired air is accelerated proportionally to the flow. This technique has been used for years in order to remove the secretions in a non-invasive way and without using positive or negative air pressure. Completely safe for the patients, it can be used as well with infant.

Continuous pressure:

Used if a continuous positive pressure is needed in order to make a lung expansion exercises.

Peak Flow Test

A fun interface allows to evaluate the estimated peak flow into three slots: under 160 L/min, between 160 L/min and 270 L/min, more than 270 L/min.



TECHNICAL DATA

CE 1936

Mode / Functions

Free Aspire

Level	adjustable from 1 to 5
Therapy time	adjustable from 0 to 30min

Cough Assist

Modes	manual/auto /sync
Inspiratory pressure	from 5 to 70 cmH ₂ O
Expiratory pressure	from -5 to -70 cmH ₂ O
Inspiratory time	from 0.5 to 5 sec.
Expiratory time	from 0.5 to 5 sec.
Pause time	from 0.5 to 10 sec.
Rise time	adjustable from 1 to 4
Pulsate frequency	from 5 to 20 Hz
Pulsate amplitude	from 1 to 5 cmH ₂ O
Duration of therapy	adjustable

Continuous pressure

Pressure	from 4 to 20 cmH ₂ O
Duration of therapy	adjustable from 0 to 15min

AC Voltage Source	100-240V AC – 50-60Hz
DC internal power source	NiMH 3,2Ah 12V cc
Electrical Absorption	160VA (70W)
Type of Protection Against Electric Shock	class II
Degree of protection against electric shock	type BF
Degree of Protection against ingress of water	IP21
Dimensions and weight	27 x 30 x 18 cm – 2,9 Kg

International standards:

EN 60601-1, EN 60601-1-11, EN 60601-1-8, EN 10651-6

Safety of Electromedical Instruments, General Requirements
Electromagnetic Compatibility in accordance with EMC Directive.
Medical Products Research srl declares that Kalos complies with the following EMC standard: EN60601-1-2 IIEC.

This technical specifications is updated at the moment of printing and they can change depending on our politics of continuous improvement. ©MPR Srl



Management System
ISO 9001:2008 EN ISO 13485:2012

Medical Products Research S.r.l.

Via Novara, 68 - 20025 Legnano (MI)

Tel +39 0331 597 992 - Fax +39 0331 485 089

info@mpr-italy.it - www.mpr-italy.it

