

medical products research



INSPIRATION IN RESPIRATORY THERAPY



KALOS

The best solution
to clear the airways.
Simple, safe, comfortable.
User friendly for patients
and respiratory caregivers.

KALOS

Management of tracheo-bronchial secretions:

To provide a valid support for the non-invasive removal of secretions, avoiding the use of suction catheters and reducing the risk of infection and discomfort, we have developed an innovative device with different integrated functions, to ensure a safe and effective airway clearance.

• Cough Assist

The choice between manual, automatic and synchronised mode makes it possible to customise the cough assist therapy. The possibility to save three different profiles simplifies use of the device at home. Four levels of insufflation flow rate make the therapy more comfortable.

• Free Aspire

The EFA® (Expiratory Flow Accelerator) patented technology allows to mobilise and remove the pulmonary secretions solely through the action of the airflows without applying positive or negative pressure in the airways, so improving patient comfort.

The acceleration of the expiratory flow restores the physiological condition necessary to move the bronchial secretions up into the upper airways. This acceleration is inversely proportional to the exhalation airflow, follows the patient's natural breathing pattern and does not require any collaboration.

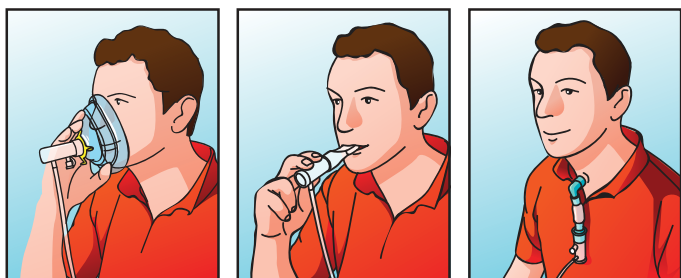
Totally safe, it can also be used in patients who have reduced or absent cough capacity.

• Continuous Pressure

Continuous positive pressure for pulmonary re-expansion manoeuvres or recruitment of pulmonary areas otherwise unventilated.

• Peak Flow Test

This option allows to evaluate the cough effectiveness, through an estimate of the expiratory peak flow. The display shows the results of the last three tests performed. A fun graphic interface provides feedback to the user through three indicators: under 160 L/min, between 160 and 270 L/min and over 270 L/min.



TECHNICAL DATA



Cough Assist

Modes	manual/auto/sync
Inspiratory pressure	From 0 to 70 cmH2O
Expiratory pressure	From 0 to -70 cmH2O
Inspiratory time	From 0.5 to 5 s
Expiratory time	From 0.5 to 5 s
Pause time	From 0.5 to 10 s
Rise time	Adjustable from 1 a 4
Pulse frequency	From 1 to 20 Hz
Pulse amplitude	From 1 to 10 cmH2O
Therapy time	Adjustable

Free Aspire

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

Continuous Pressure

Pressure	From 4 to 20 cmH2O
Therapy time	Adjustable from 0 to 30 min

Power supply	100-240V AC - 50-60 Hz
Internal power source	NiMH 3.2Ah 12V DC
Electrical absorption	160VA (70W)
Electrical protection class	Class II
Applied part type	Type BF
IP protection grade	IP21
Dimension and weight	27 x 30 x 18 cm - 2.9 Kg

Medical Products Research Srl states that Kalos is compliant with the DM 93/42/CEE directive, class IIa.

The safety of the device is verified in accordance with the issued international standards.

This technical specification is updated at the printing time and may change according to our policy of continuous improvement. ©MPR srl

Information intended for healthcare professionals

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