

nebula

MODULAR AEROSOL THERAPY SYSTEM



MARKOS MEFAR

NEBULA MODULAR SYSTEM: ACHIEVING PERFECTION

The new Nebula Modular System is the result of constant research by Markos Mefar, which has always focused on improving drug nebulisation methods to provide patients with a quick and effective method of performing inhalation therapy.



THE PRINCIPLE

TARGETED ACTION

COMPLIANCE

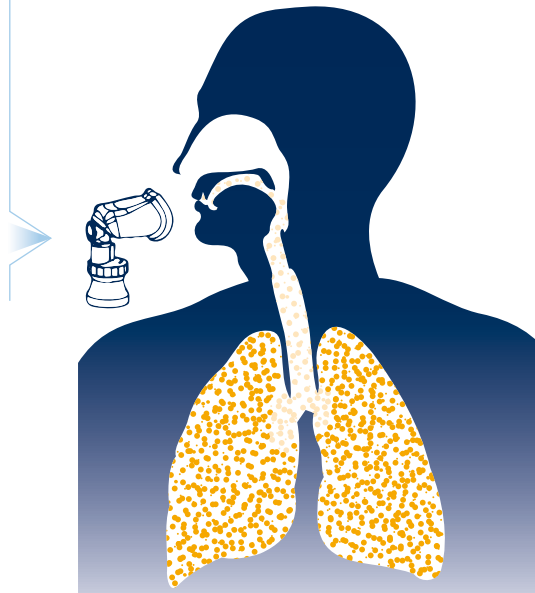
THE SOLUTION

The Nebula Modular System comes with two special nebulisers that convey the drug straight to the parts to be treated. NEBULA RINOWASH is designed specifically for the upper airways and NEBULA SPACER for the bronchopulmonary apparatus.

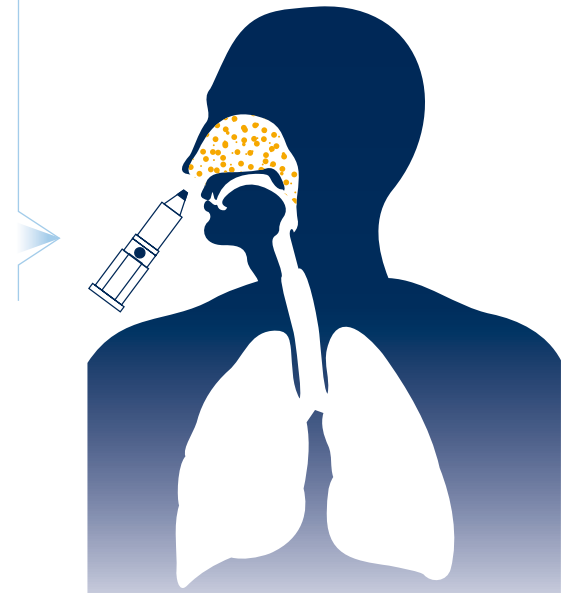
The targeted action of the Nebula Modular System improves patient's compliance, which leads to a sharp reduction in the duration of therapy.

DRUG DEPOSITION IN THE AIRWAYS

Nebula Spacer improves bronchial deposition of the nebulised drug.



Nebula Rinowash nebulises the particles for deposition in the upper airways.



NEW

The Nebula Spacer is designed specifically for young children, who usually dislike having the nose and mouth covered at the same time.

NEBULA SPACER

A spacer mouth mask for treating lower airways infections.

ADDED VOLUME

The enlarged mouth mask significantly reduces the drug dispersal during exhalation.

BUILT-IN SPACER CHAMBER

The spacer enhances bronchial deposition, thereby increasing the treatment's overall effect.

ONE-WAY VALVE

If the user exhales through the mouth, a one-way valve drastically reduces dispersal of the drug.

ERGONOMIC DESIGN

The special ergonomically-shaped mouth mask is designed to maximise adherence and comfort for both adults and children.



HOW THE NEBULA

INHALATION

Delivery.

Nebula Spacer's special shape reduces the speed of the nebulised particles, which decreases oropharyngeal deposition of the drug.

Activation.

As the patient breathes in, the drug particles enter in the respiratory flow, which enhances peripheral deposition.

SPACER CHAMBER

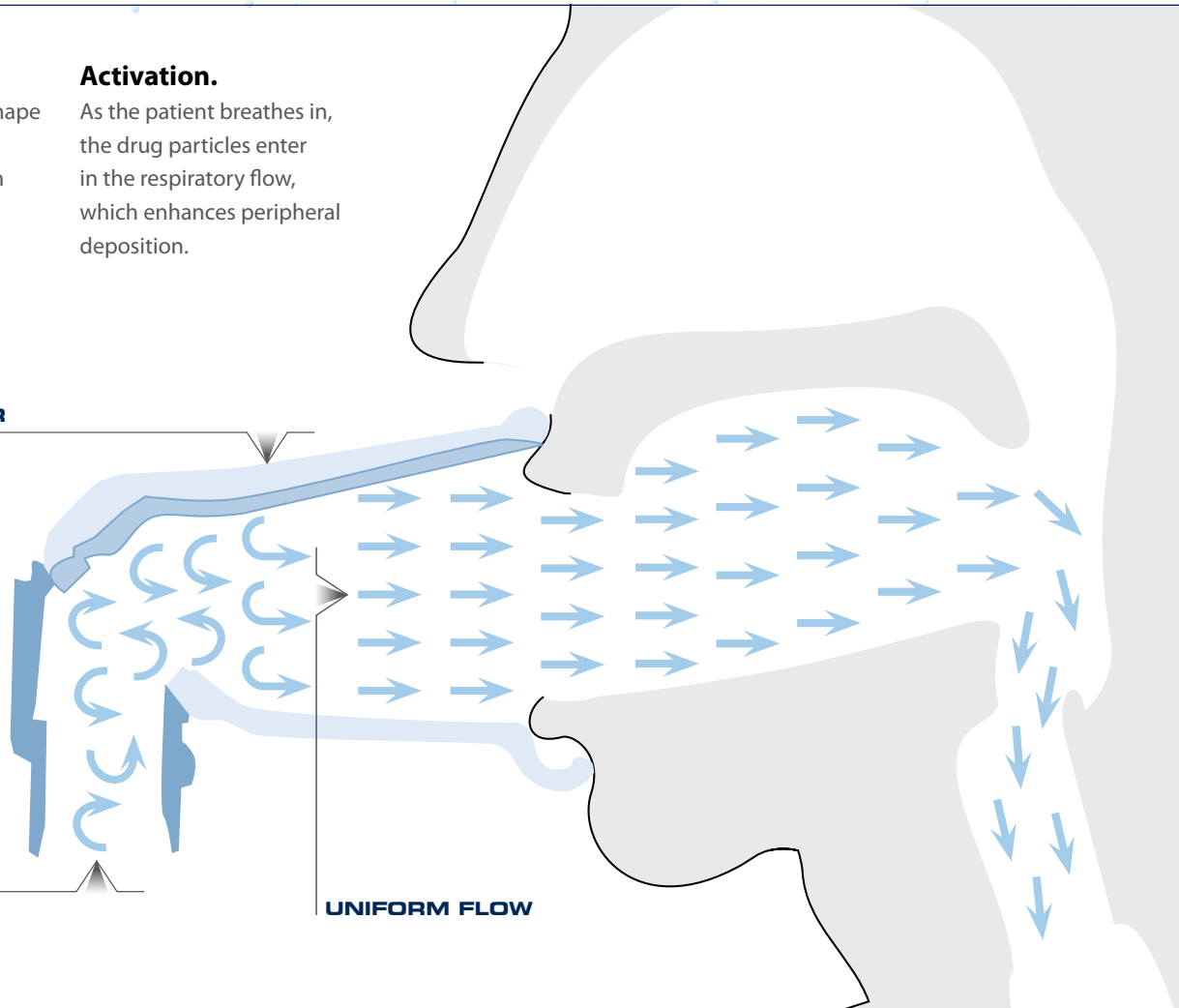
CHAOTIC FLOW

UNIFORM FLOW

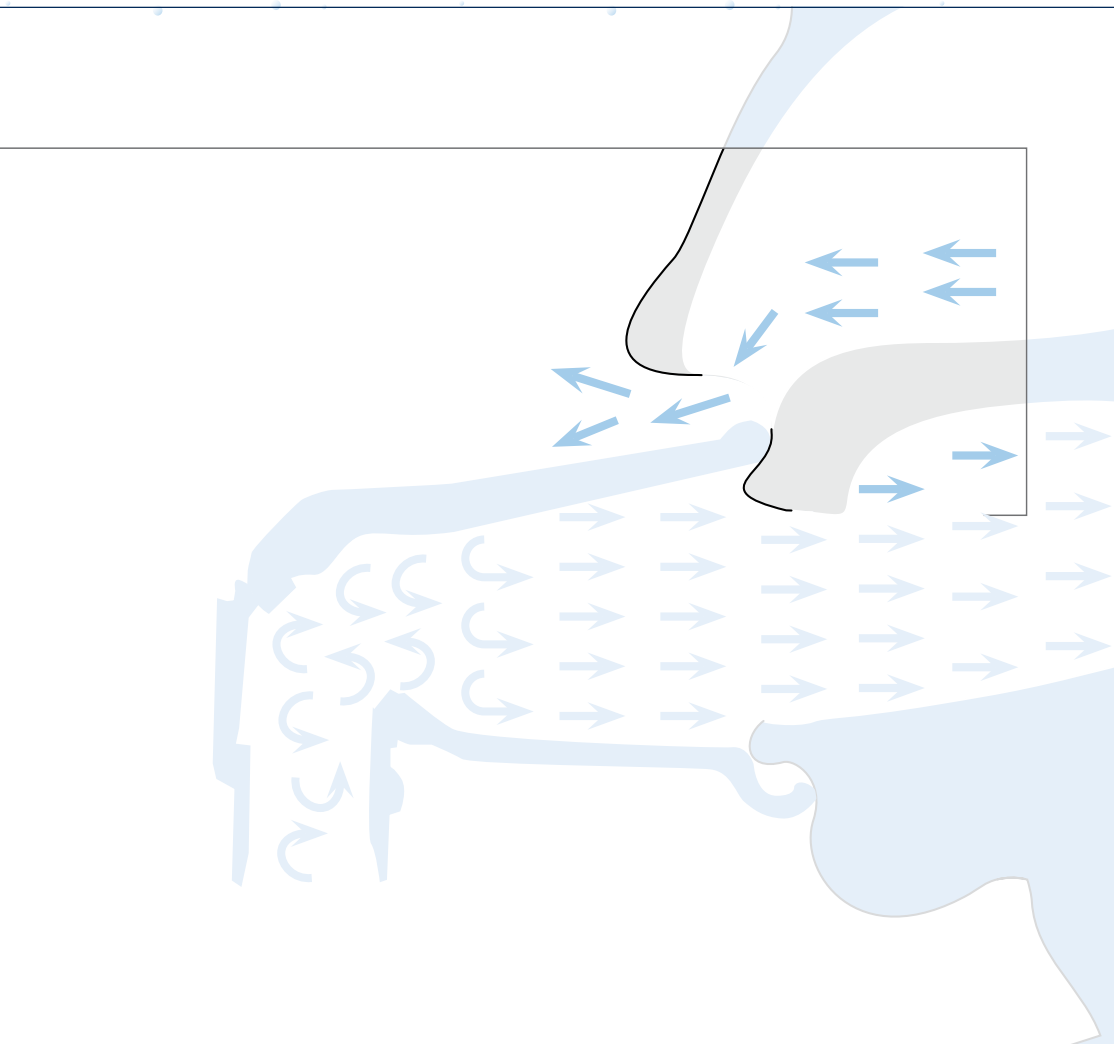
EXHALATION

Through the nose.

Nasal exhalation prevents dispersal of the drug, as the continuous flow generated by the device recharges the spacer chamber, ready for the next inhalation.



A SPACER WORKS



CONCLUSIONS

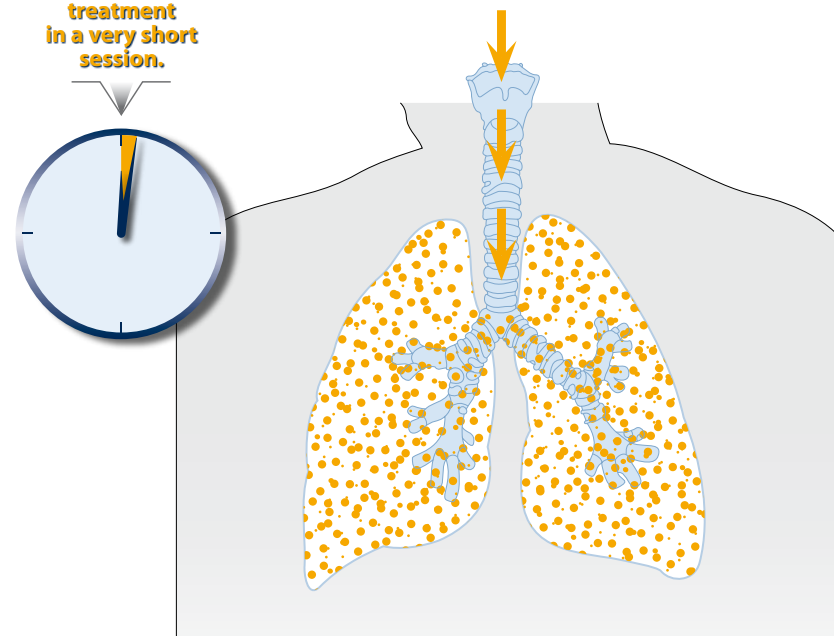
Reduced therapy time.

Nebula Spacer is a highly effective system as it:

- reduces drug dispersal to a minimum;
- limits oropharyngeal deposition during inhalation;
- increases peripheral deposition of the drug.

Nebula Spacer provides effective treatment in just 2 minutes, increasing patient compliance and acceptance of the therapy.

More effective
treatment
in a very short
session.





NEBULA RINOWASH

Nebula Rinowash is a nebuliser designed specifically for pharmacological treatment of the upper airways using natural solutions.

DISTRIBUTION

The smaller the particle sizes, the more effective their distribution in the lower airways. About 95% of the particles produced by Nebula Rinowash are over 10 micron in diameter. This makes the Nebula Rinowash ideal for treating rhinitis, rhino-sinusitis, nasal polyposis, adenoiditis, and tubo-tympanitis.

INTERNAL CHAMBER

contains the liquid to be nebulised.

EXTERNAL CHAMBER

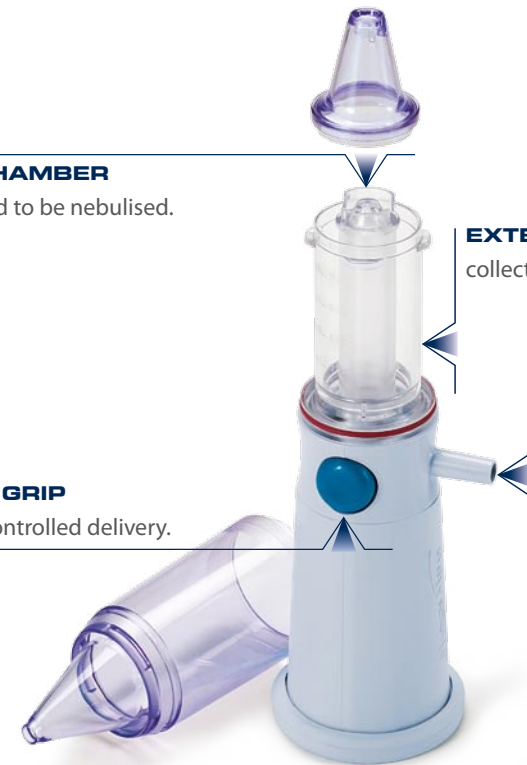
collects the return fluid.

ERGONOMIC GRIP

with button for controlled delivery.

NIPPLE

for the tube connecting to the device.



SPECIALISTS IN INHALATION THERAPY

All Markos Mefar products are the result of thorough scientific research and a superior quality production process, guaranteeing the best solution for any respiratory infections.

THERAPY



NEBULA
Integrated modular system for aerosol therapy.



NEBULA SPACER
Nebuliser with a spacer mouth mask. Optimises aerosol treatment of the lower airways. Can be adapted to any device with an air compressor.



RINOWASH
Specific nebuliser for treating the upper airways. Can be adapted to any device with an air compressor.



RINOWASH SOLUTION
Hypertonic saline solution. Ideal for effective nasal washing and mucociliary clearance.

Markos Mefar is the first Italian company to invest in paediatric research to develop new systems for treating children and enhancing their wellbeing in an effective, simple and safe way.

A scientific culture, support from medical specialists and continuous contacts with healthcare operators and the leading medical associations are a guarantee of the success of the company's research and innovation efforts.

Markos Mefar is committed to proposing new products and all-round solutions so as to offer the medical profession definite and reliable support in safeguarding the health of the child.

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