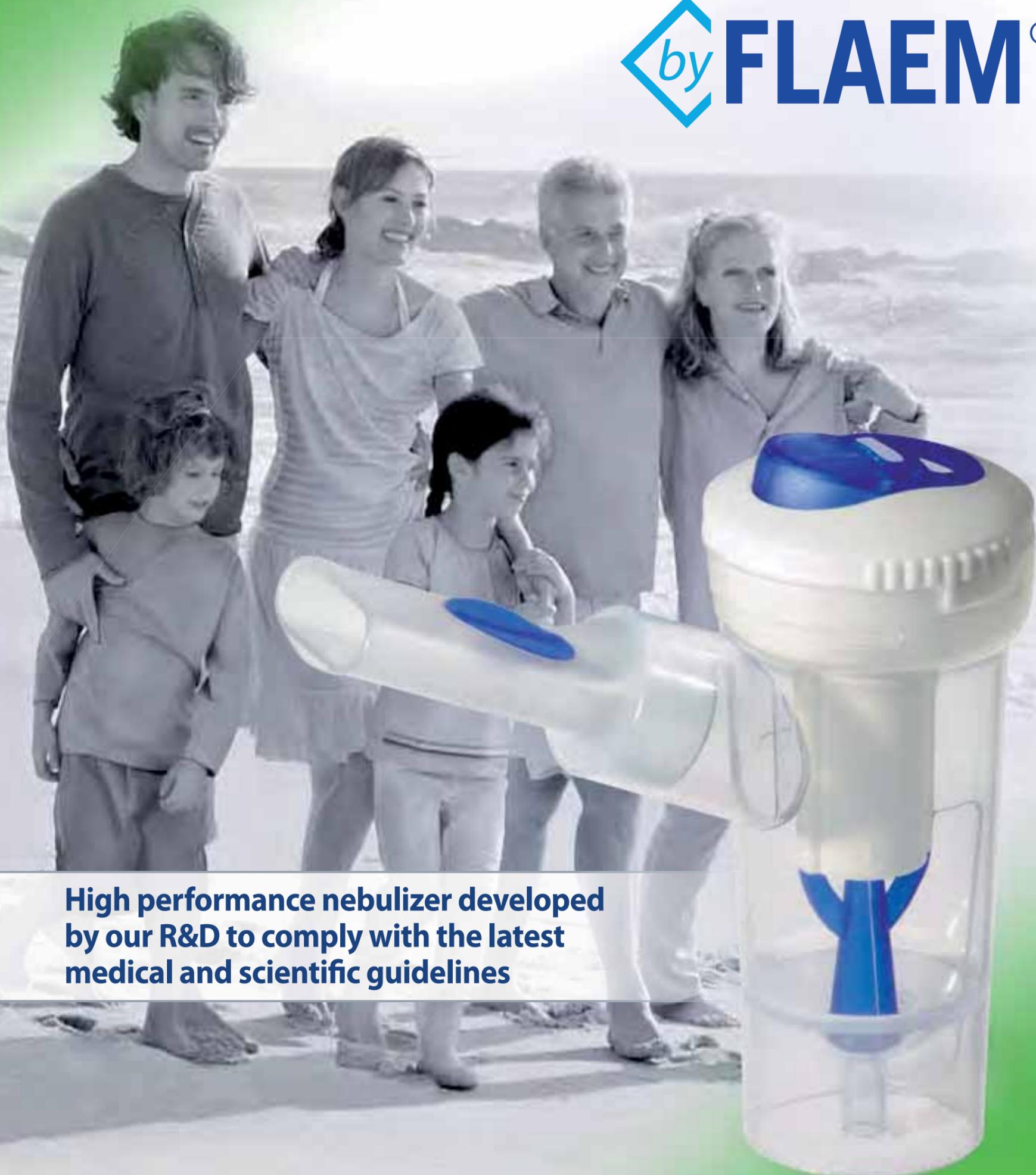


In vitro characterization
certified by
TÜV
Rheinland LGA Products GmbH

 SINCE 1966 
MADE IN ITALY

Plus RF7

 **FLAEM**®



**High performance nebulizer developed
by our R&D to comply with the latest
medical and scientific guidelines**

www.flaem.it

Flaem Nuova

The company has had a presence in the marketplace since 1966 with a wide range of healthcare and household products.

The company's goal is to continue to be a world leader in the manufacture of aerosol therapy products and accessories for home use and, as a cross over technology, for food vacuum packaging for domestic and professional use.

The company consists of a team of 120 people, operating in a large business centre and in the manufacturing plant, who have a strong spirit of cooperation and work towards the achievement of common goals.

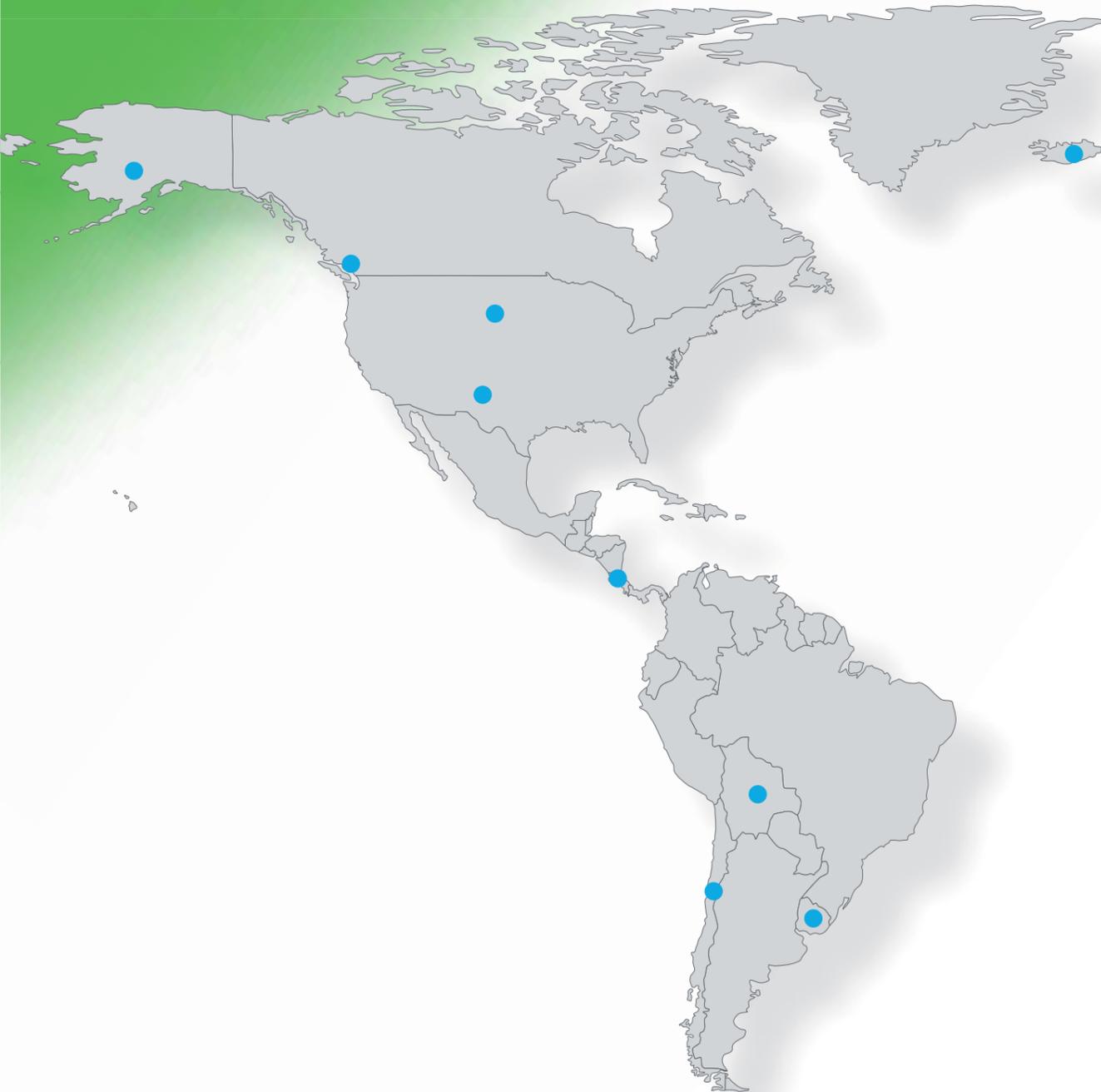
R&D

An essential part of Flaem Nuova is the Research and Development, an area dedicated to technological development and the optimization and automation of production processes.

At the same time the R & D department is constantly evaluating recently developed technologies and components that can accelerate the process of technological development and production.

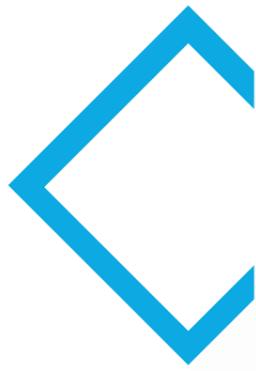
This is an important area of the company offering innovations in response to the needs of the market by investing both in human resources and in activities to meet the requirements and propose solutions for the future.

Professionalism, experience and research are the foundations for an effective and efficient output from Flaem Nuova.



Flaem Nuova plant consists of 20,000 square meters incorporating warehousing, plastic molding, assembly, technical, administrative and sales departments.

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FLAEM®

a healthy lifestyle



Flaem in the World

The company, with a worldwide distribution network, is always offering new products that will respond fully to the regulations and requirements of each market.



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Plus
RF7
by **FLAEM**®

Quick Reliable and Effective

RF7 Dual Speed Plus with valve system is Flaem Nuova's seventh generation nebulizer. This innovation represents **50 years of specialized experience**.

Main features are: fast delivery, reliability and effectiveness.

High efficiency nebulizer with short delivery time

Efficiency and **fast aerosol delivery** are the main features of the new **Dual Speed nebulizer with valve system**. Also it performs perfectly with any Flaem compressor due to the re-engineered internal geometry and the addition of the **innovative Speed Selector (MIN/MAX)** and its accessories.

These innovations make it possible for medication to be nebulized with optimal particle size values, reduced dispersion and minimized residual medication.

with valve



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Plus
RF7
by **FLAEM**®

Maintains correct particle size to give you maximum efficacy from your medication

One of the main characteristics of the **RF7 Dual Speed Plus** is **consistent particle size** throughout the nebulizing period. And it can be used with any nebulizer compressor.

Suitable for use on all Flaem Nuova nebulizer compressors

MMAD⁽¹⁾: Mass Median Aerodynamic Diameter

FPF⁽¹⁾: Fine Particle Fraction

OFV⁽¹⁾: Off take Filter Volume refers to 2 ml of Fill Volume

RV⁽¹⁾: Residual Volume

ml/min⁽²⁾: nebulization rate in milliliters per minute.

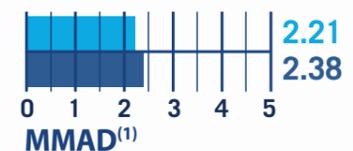
The outcomes⁽¹⁾ of the comparative characterization tests carried out by **TUEV Rheinland LGA Products GmbH**.

Data⁽²⁾ shown is in accordance with **Flaem Nuova** internal procedure **I29-P07.5**. Values shown for the aerosol delivery may vary depending on the patients respiratory capacity.

F2000 Professional aerosol therapy unit

FLOW RATE
8.2 L/min

DELIVERY RATE ml / min⁽²⁾



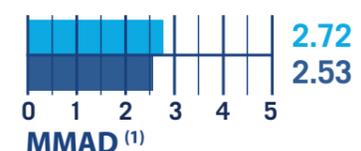
OFV⁽¹⁾ valve 0.327 ml
max 0.508 ml

RV⁽¹⁾ valve 1.13 ml
max 1.07 ml

F700-1000 Aerosol therapy unit for frequent use

FLOW RATE
7.1 L/min

DELIVERY RATE ml / min⁽²⁾



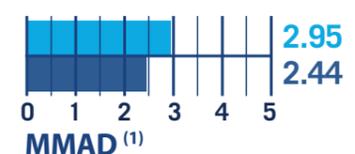
OFV⁽¹⁾ valve 0.450 ml
max 0.503 ml

RV⁽¹⁾ valve 1.02 ml
max 1.11 ml

Compact and Portable aerosol therapy unit

FLOW RATE
6.8 L/min

DELIVERY RATE ml / min⁽²⁾



OFV⁽¹⁾ valve 0.318 ml
max 0.521 ml

RV⁽¹⁾ valve 1.10 ml
max 1.07 ml

Plus RF7

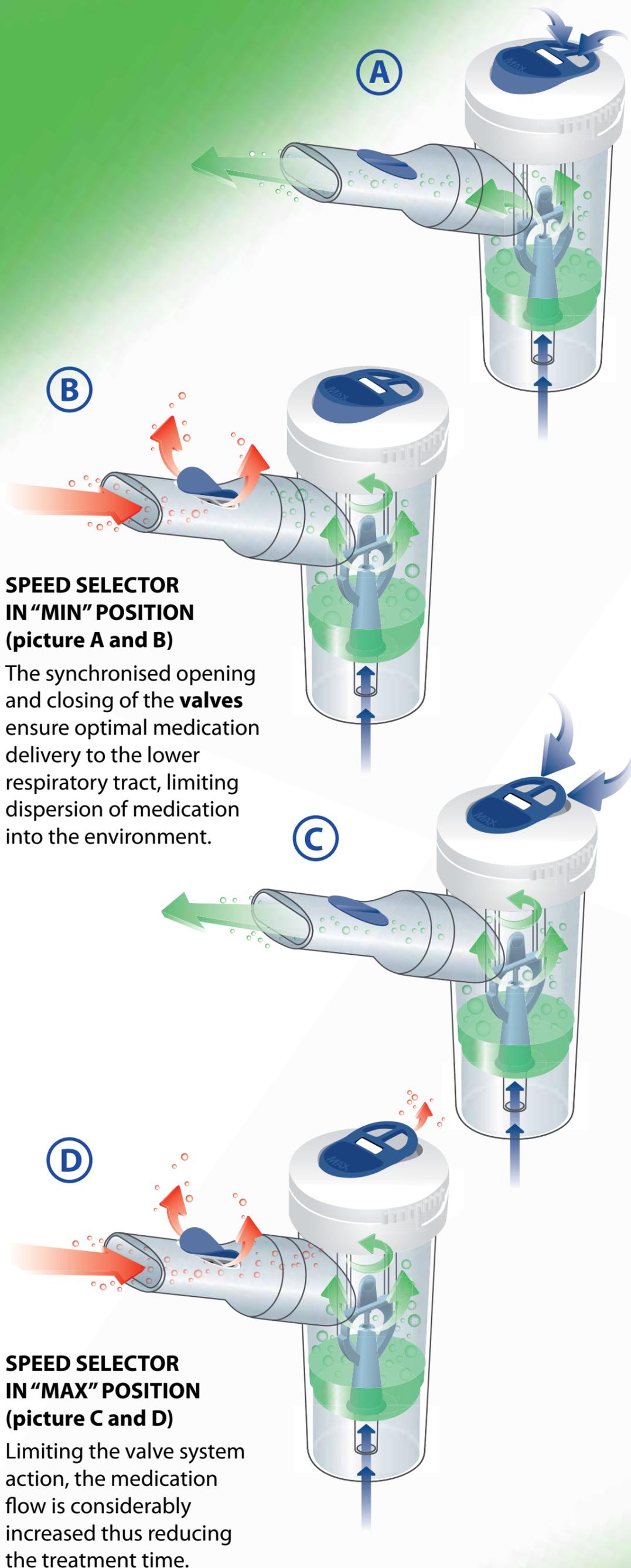
by FLAEM®

Maximizes the therapeutic effect

The synchronized opening and closing of the valves direct the inhaled and exhaled air through dedicated passages, optimizing the medication intake, **limiting the dispersion of medication into the environment** and minimizing the amount of residual medication.

Deep penetration into the lungs for greater efficacy

The **RF7 Dual Speed Plus** optimal particle size values (**MMAD**) together with the high concentration of particles **< 5 µm (breathable fraction)** ensure the deep penetration of medication into the **alveoli**.



SPEED SELECTOR IN "MIN" POSITION (picture A and B)

The synchronised opening and closing of the **valves** ensure optimal medication delivery to the lower respiratory tract, limiting dispersion of medication into the environment.

SPEED SELECTOR IN "MAX" POSITION (picture C and D)

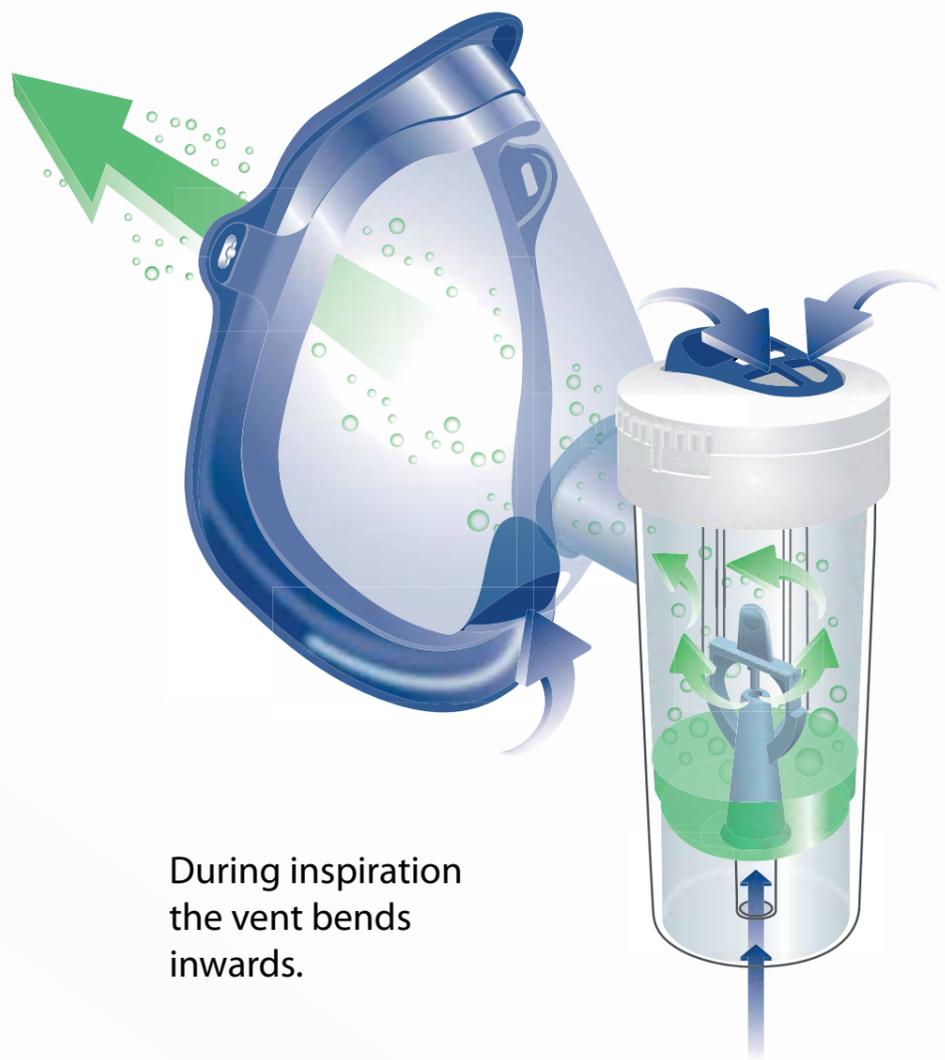
Limiting the valve system action, the medication flow is considerably increased thus reducing the treatment time.

The perfect sealing face mask to maximize your medication intake while still being comfortable to use

The new Soft Touch Masks feature an adaptive edge made of a soft biocompatible material ensuring an excellent adherence to the face and a Dispersion Limiting Vent. These innovations, which make them stand out from the rest, allow increased sedimentation of medication in the lungs and reduced dispersion into the air.



During expiration the vent bends outwards.



During inspiration the vent bends inwards.

Accessories



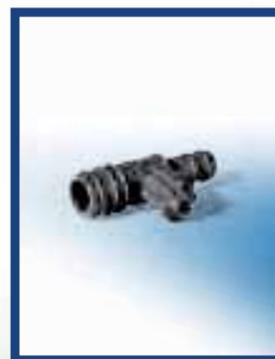
Rapid Flaem 7 Dual Speed Plus (without mouthpiece)



Mouthpiece



Non invasive Nasal prong



Drug saving Device



L-Fitting

Academic short accounts/outlines on Aerosol Therapy

Aerosol therapy is a method that is occupying an increasingly important role in the treatment of numerous pathologies of the nose, throat, bronchial tubes and lungs as it allows drugs to be directly administered into the respiratory system.

An aerosol is a suspension of solid particles and/or drops of liquid that penetrate into the airways through the mouth and nose, coming into contact with the larynx, pharynx and trachea, and eventually reaching the lungs: here they will come into contact with the bronchial mucosa and air sacs, following precise laws of kinetics such as inertia, gravity and diffusion.

How and where these particles will settle depends on their size. It is believed that aerosol particles should have a diameter:

- > 5 μm for deposit in the upper airways;
- between 2 and 6 μm for deposit in the laryngotracheal tract;
- between 0.5 and 3 μm for deposit in the air sacs.

(Values in accordance with the European standard EN 13544-1 Respiratory therapy equipment - Part1: Nebulizing systems and their components.)

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Plus
RF7
by FLAEM®

Studies and research

Our constant co-operation with highly specialized laboratories and prestigious national and international universities enables us to manufacture scientifically and clinically tested medical devices and nebulisation systems; for end users this is a guarantee of the absolute safety of our devices. The test results and the scientific studies are kept on file and may be consulted by specialised professionals with our prior authorization.

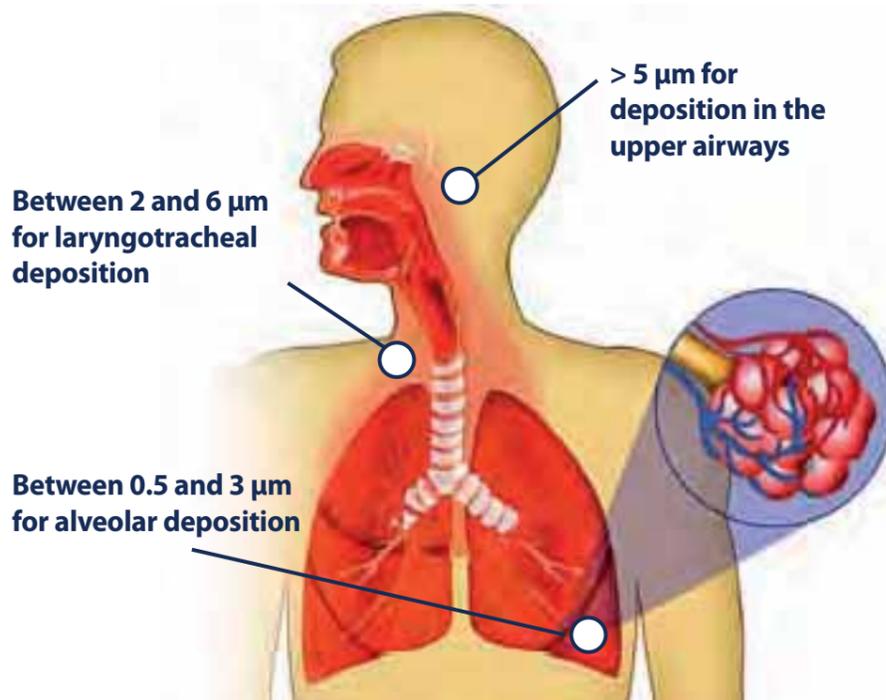
In vitro testing⁽¹⁾ certified by
TÜV Rheinland LGA Products GmbH - Germany
in compliance with the European Standard
EN 13544-1 for nebulizing systems.
More details are available on request.

In compliance with European
standard EN 10993-1
Biological evaluation
of medical devices and
93/42/EEC
Medical Devices Directive



Data⁽²⁾ shown is in accordance with Flaem Nuova internal
procedure I29-P07.5.
Values shown for the aerosol delivery may vary depending
on the patients respiratory capacity.

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DAL 1966
PRODOTTI ITALIANI
FLAEM®
il benessere è di casa

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