

Kids breathe freely –  
parents sleep easy!



## **PARI JuniorBOY® SX**

Inhalation therapy for the needs  
of babies and infants



[www.parimedical.co.uk](http://www.parimedical.co.uk)

Specialists in effective inhalation



# PARI JuniorBOY® SX

Especially for the needs of your younger patients

## PARI LC SPRINT® Junior nebuliser

- More efficient nebuliser with integrated valve system for economical drug consumption
- Easy assembly, usage and cleaning
- No special inhalation technique required

### Small droplets for small respiratory tracts\*

#### Aerosol characteristics:

|                         |            |
|-------------------------|------------|
| Total Output Rate:      | 370 mg/min |
| MMD:                    | 2.9 µm     |
| Mass percentage < 5 µm: | 76%        |

Inspiratory flow: 12 l/min; measurement with Malvern Master-sizer X (calculated according to Fraunhofer model) at 23 °C and 50% relative humidity. Nebulised medium: 0.9 % NaCl (5 ml)

**\* Infants have narrow lower respiratory tracts ... so it makes sense that the optimum particle size for inhalation treatment should be smaller for children than for adults.**

(According to: Barry P.W. & O'Callaghan C. (1997) Thorax 52 (Suppl. 2) P. 79)

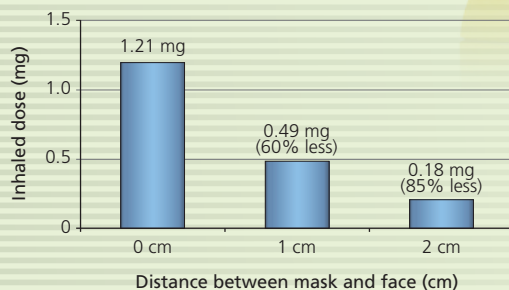
**Powerful Compressor  
for short inhalation times –  
under 7 minutes!**

for 2.5 ml Salbutamol

**NEW!**



**PARI JuniorBOY® SX**  
Order no.: 085G3304



(Mark L. Everard, Andrew R. Clark, Anthony D. Milner, Archives of Disease in Childhood 1992; 67:586-591.)

## Child-appropriate equipment enables treatment for babies as young as 1 month

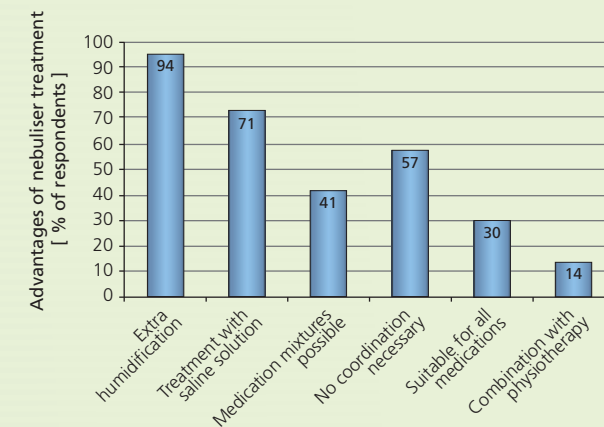
- Soft, comfortably fitting BABY mask for efficient, relaxed inhalation
- Baby bend for comfortable inhalation while sitting or lying with babies as young as 1 month old
- Mouthpiece with expiratory valve for children aged 4 and older



## Advantages of humid inhalation

Paediatricians rely on jet nebulisers in long-term respiratory tract treatment for their young patients and appreciate the following advantages\*:

- Extra humidification of the respiratory tract  
➔ alleviates shortness of breath and bronchial constriction
- Treatment with saline solution possible
- Medication mixtures can be given
- Easy to work with – no coordination necessary



**Figure:** Paediatricians who responded to the survey cited the extra humidification and simple handling as the essential advantages of inhalation treatment via nebulisers. Source: PARI survey of 681 paediatricians

\* Survey conducted by PARI GmbH in 2007 among 681 paediatricians. 90.5% used a nebuliser for respiratory tract treatment often or very often. 98.7% of the patients who received treatment via nebulisers were babies or infants.

## PARI NaCl inhalation solution

- Humidifies mucous membranes for children and adults – as an adjuvant treatment for cold-related illnesses
- Adapted to the salt content of the human body
- Ready-to-use inhalation solution in handy 2.5 ml plastic ampoules for easy sterile application



#### PARI NaCl inhalation solution

(20 x 2.5 ml ampoules) (60 x 2.5 ml ampoules) (120 x 2.5 ml ampoules)  
Order no.: 077G0000 Order no.: 077G0003 Order no.: 077G0006

# VORTEX®



## Antistatic holding chamber

- Fun masks for children: Mary the Ladybug and Felix the Frog
- Antistatic metal chamber helps to ensure reliable dosage
- Can be disinfected or sterilised for use in hospitals and doctors' surgeries



### VORTEX®

with Ladybug baby mask  
0–2 years  
Order no.: 051G2020

### VORTEX®

with Frog child mask  
2 years and older  
Order no.: 051G2040

### VORTEX®

4 years and older  
Order no.: 051G1000

## MucoClear® 3%

### Hypertonic inhalation solution for mobilising secretions in acute bronchitis

- Sterile, ready-to-use 4 ml ampoules
- Convenient plastic ampoules
- Free from preservatives



### Cochrane Review<sup>1</sup> on acute bronchitis in infants:

- Can significantly shorten hospital stays
- Alleviates clinical severity

### MucoClear® 3%

20 x 4 ml ampoules  
Order no.: 077G5000

### MucoClear® 3%

60 x 4 ml ampoules  
Order no.: 077G5003



#### Did you know?

The osmotic effects of saline droplets on the mucous membrane of the respiratory tract help to loosen mucus (so it can be cleared more easily by coughing!)

## PARI Service Centre

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Give us a ring...

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<sup>1</sup> Zhang L. et al. Cochrane Database 2008 8;(4): CD006458