MEDI PLAST

PARI

Made in Germany

Customized to the needs of your patients with lung diseases



The new PARI BOY® Classic

reddot winner 2020

DESIGN AWARD 2020

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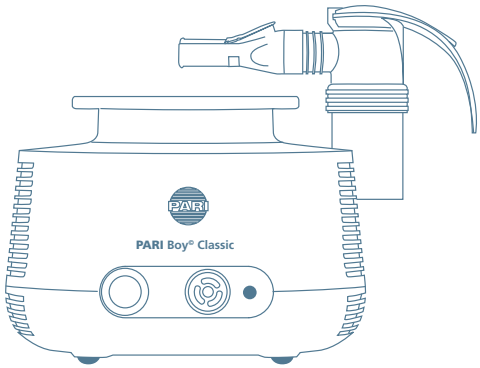
For nebuliser treatment

of the lower airways:

PARI BOY® Classic

PARI BOY stands for effective, rapid treatment with a high proportion of aerosol droplets able to reach the lungs. **Made in Germany:** the highest quality standards with **PARI experience from 110 years** as specialists in nebuliser treatment.

Durable, sturdy compressor jet nebuliser systems



Short inhalation times
Adults require 5 minutes and children require 7 minutes for 2.5 ml[1].

Clinically tested
The performance capabilities of the PARI LC SPRINT nebulisers have been investigated in over 50 scientific studies*.

High deposition of the active agent in the lung [1, 2]
PIF Control – the breath-sensing "training tool" assists patients in learning an effective inhalation technique.

Suitable for use with all medications approved for inhalation

Further development based on the predecessor generation:

Modern, compact design
the new generation

20% quieter
less compressor noise than the previous PARI BOYs

PIF Control



For severe, chronic diseases of the airways – **PARI BOY® Classic.**

Item : 130G1215

Compressor jet nebuliser system with special equipment:

- PARI LC SPRINT nebuliser with PIF Control
- Mouthpiece with valve system
- Short connection tubing

PARI BOY SX
to be replaced by
PARI BOY Classic





* Study results can be obtained from PARI upon request
[1] Laube et al. J. Allergy Clin Immunol 89(2):510 – 518, 1992
[2] Burnell PK et al. J Aerosol Med. 2007;20(3):269-81.

Adaptable to the specific needs of your patients with the right Nebuliser

To guarantee a consistently effective inhalation therapy, we recommend replacing the nebuliser once a year.

- Different nozzle inserts produce different aerosol spectra
- Deposition is targeted to the desired region of the airways
- Can be used by a wide age range of patients and for a large variety of indications
- Efficiency and safety of the PARI LC SPRINT® nebuliser has been investigated in 50 scientific studies

Product	Characteristics	REF (Item No.)
PARI LC SPRINT Nebuliser 	Blue nozzle insert produces droplets for efficient deposition in the central region of the lungs 	023G8150
PARI LC SPRINT STAR 	Red nozzle insert produces finest droplets for peripheral areas of the lungs. 	023G8740

All nebuliser packages listed above come with the PARI PIF Control System

Aerosol characteristics			
Nozzle insert	**Total Output Rate in mg/min**	**Median Mass Diameter in µm**	**Mass fractions <5 µm**
Inspiratory flow for children (12 l/m)			
Red	296 mg/min	2.2 µm	86 %
Inspiratory flow for adults (20 l/m)			
Blue	600 mg/min	3.5 µm	67 %
Red	450 mg/min	2.2 µm	89 %

Measurement with the Malvern Mastersizer X at 23 °C and 50% relative humidity. Nebulised medium: 0.9 % NaCl (5 ml).

Technical data

Alternating current:
220 – 240 V, 50 Hz
Pressure: 1.6 bar
Weight: 1.7 kg
Housing dimensions:
18.5 x 13 x 15 cm (W x H x D)
Fill volume:
minimum 2 ml, maximum 8 ml
Sound volume: 54 db (A)

PARI PIF Control – Patented system:



The PIF Control System is a breath sensory feedback system for the patient that automatically limits the inhaled air flow (PIF = Peak Inspiratory Flow).
If the patient breathes in too quickly the valve reduces the size of the aperture in the nebuliser chamber.
The patient perceives this as a resistance – a sign that he should breathe in more slowly for the rest of the session. So, the PIF Control System trains a slow, controlled inspiration resulting in effective drug deposition.

PIF control breath sensory feedback system

- Helps patients learn a slow contolled inspiration technique
- With PIF Control your patients get the most out of their nebuliser treatment

Breathing in slowly can help increase deposition in the lungs



Breathing in quickly



Breathing in slowly

Based on: Laube et al. J. Allergy Clin Immunol 89(2):510–518, 1992



"The **requirements and needs** of patients with diseases of the airways in terms of inhalation with nebuliser systems **are extremely varied.**"

Since 1968, the PARI BOYs have enabled people to perform nebuliser treatment in the privacy of their own homes. In the course of the years since then, the devices have undergone constant further development in order to treat the patients' symptoms better still.

Babies and infants have narrower airways than adults and need smaller aerosol droplets for their smaller airways[1] as well as special accessories.

Patients with COPD or Cystic Fibrosis need rapid deposition of the active agent in the central areas of the lung and to some degree the finest aerosol droplets in the peripheral areas.

It is also beneficial if patients are able to combine the nebuliser treatment with another form of physiotherapy they need, with the PARI BOY Classic. This saves valuable time.

With an extensive selection of PARI accessories you can customize the PARI BOY Classic to the exact needs of your patient from babies to the elderly patient.

[1] According to Barry P.W. & O'Callaghan C. (1997) Thorax 52 (Suppl. 2), P. 79

The advantages of wet inhalation for the lower airways

- No coordination required
- High medication doses possible
- Usable for medication solutions that are not available in metered dose inhalers or powder inhalers
- Additional moisturisation of the airways to stimulate mucociliary clearance
- Application of saline solutions and patient-specific mixing of medications possible
- Superior to DPIs regarding the readmission rate after hospitalisation in patients with chronic COPD and suboptimal PIF[2]

[2] Loh CH et al.: Suboptimal Inspiratory Flow Rates Are Associated with Chronic Obstructive Pulmonary Disease and All-Cause Readmissions,

With the right accessories for efficient inhalation

for all indications and age groups:

Product	REF (Item No.)
BABY mask incl. BABY bend size 0 (for premature infants)	041G0700
BABY mask incl. BABY bend size 1 (for approx. age 0–1 year)	041G0701
BABY mask incl. BABY bend size 2 (for approx. age 1–3 years)	041G0702
BABY mask incl. BABY bend size 3 (for approx. 3 years and older)	041G0703
Child mask soft "Spiggy"	041G0741
Adult mask soft	041G0740
Connection tubing, long	041G4587
PARI Filter/Valve Set	041G0500
PARI Filter Pad, Pack of 30	041B0522
PARI Filter Pad, Pack of 100	041B0523
PARI Filter Pad, Pack of 1000	041B0524
PARI PEP S System	018G4000
PARI LC Interrupter	022G1000

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