



PARI BOY® Classic

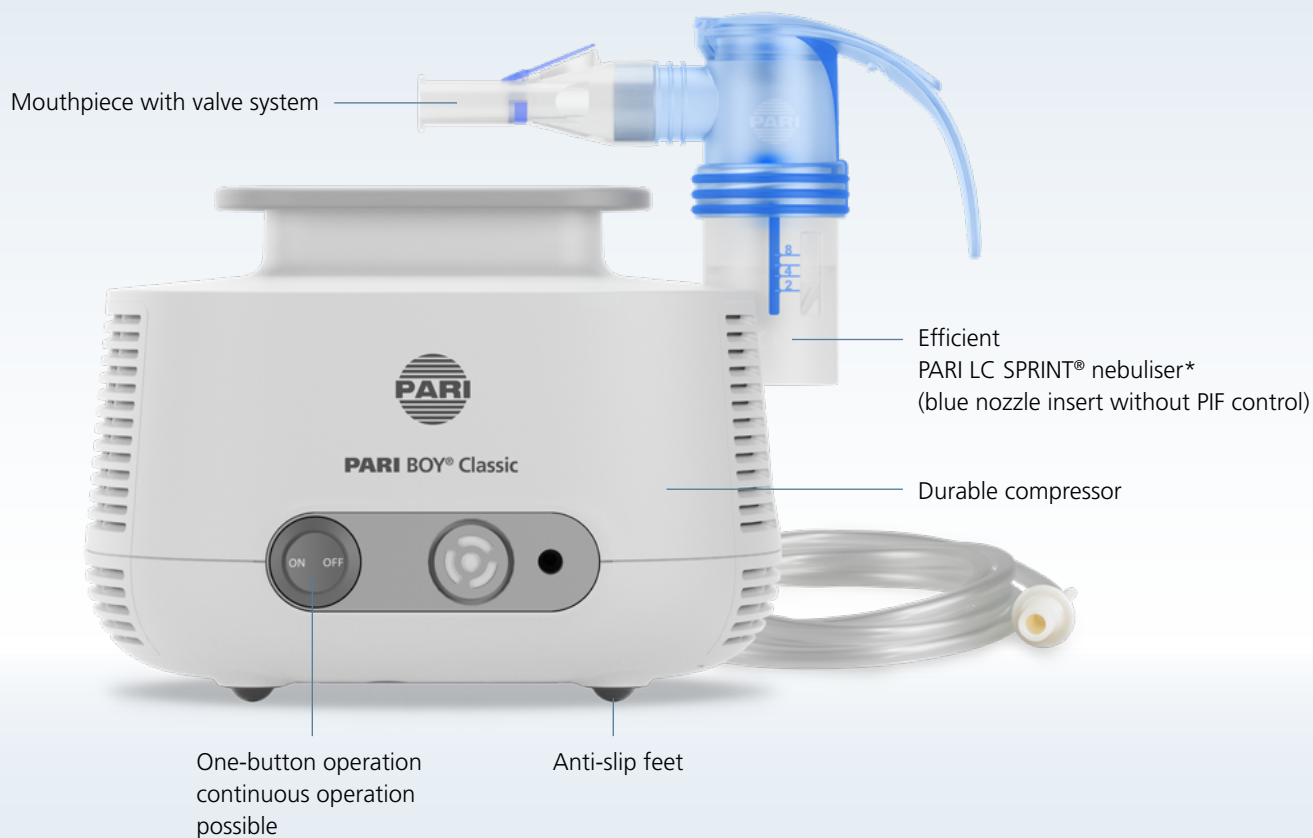
4-year guarantee

Technical data sheet

Efficient inhalation system for treating diseases of the lower airways (chronic and acute)



In combination with a mouthpiece or a suitable mask, can be used for the therapy of patients in all age groups.



Technical data:

Alternating current: 220 – 240V, 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:** min. 2 ml, max. 8 ml, **Noise volume:** 54 db(A), **Country of Origin:** Germany, **Operating Life Compressor:** 1000 operating hours (this corresponds to max. 5 years), **Operating Life Nebuliser:** 1 year (see IFU for details), **Shelf Life:** n.a.

PARI BOY® Classic Inhalation System

Item number: 130G1209

GTIN 4260020438283



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Aerosol characteristics:

Particle size (MMAD):	3.8 µm
Mass fractions < 5 µm:	61,9%
Respirable Drug Delivery Rate (RDDR):	99 µl/min
Residual Volume (gravimetric):	1,16 ml

Measurement in accordance with DIN EN ISO 27427:2020-2 (with salbutamol)

What makes a nebuliser efficient?

Aerosol characteristics:

RDDR	MMAD	Mass fraction <5 µm
99 µl/min	3.8 µm	61,9 %




Measurement according to DIN EN ISO 27427:2020-2 (with salbutamol)

The Respirable Drug Delivery Rate (RDDR):

- Describes the respirable dose per minute (particles < 5 µm)
- Objective parameter for the efficiency of an inhalation system

Efficiency is objectively measured by the RDDR*

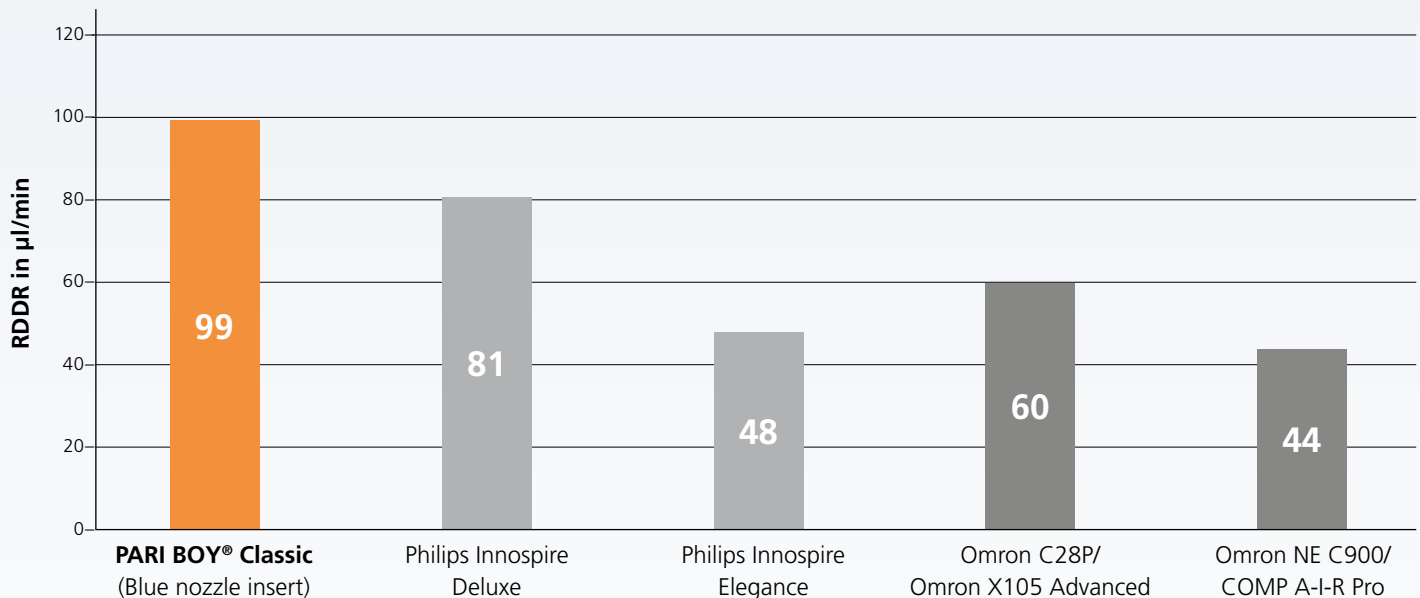
$$\text{RDDR} = \text{Respirable Fraction} \times \text{Aerosol Output Rate}$$

RDDR =  ≤ 5 µm x  / 

Respirable Drug Delivery Rate **Respirable Fraction** **Aerosol Output Rate**

* RDDR = Amount of respirable, therapeutically available aerosol generated by a PARI nebuliser system per minute.

There are major differences in the efficiency of nebuliser systems



Source: Modified from Fischer R. et al., DRUG DELIVERY TO THE LUNGS – Edinburgh 2022, 33rd International Conference, Conference Papers, VOLUME 33, December 2022, pages 494-497



The UK National Institute for Health and Care Excellence (NICE) guidelines recommend using a nebuliser system that is known to be efficient.¹

Scan the code to learn more about how nebuliser efficiency can be objectively measured using the respirable drug delivery rate (RDDR). EMJ published a poster review of research by Fischer et al. presented at the ERS in September 2023.

¹ National Institute for Health and Care Excellence (NICE). Chronic obstructive pulmonary disease in over 16s: diagnosis and management. 2019. Available at: <https://www.nice.org.uk/guidance/ng115/resources/chronic-obstructive-pulmonary-disease-in-over-16s-diagnosis-and-managementpdf-66141600098245>. Last accessed: 6 February 2024.

Made in Germany

We are pursuing this path by developing innovative, high-quality and scientifically proven products. For our patients and customers, for our employees and society. Locally and globally.

More than 95 % of all users are overall satisfied with their PARI BOY inhalation system.*

This PARI Product is compliant to the Medical Device Regulation (EU)2017/745, the EU REACH Regulation (EC) 1907/2006 and the RoHS Directive 2011/65/EU including amendment 2015/863.

Material Compliance

- Certificate of Conformity for Material Compliance Directives available on request.
- Safety data sheets are required only for substances and mixtures according to Article 31 (1) 1907/2006/EU.

Transport and Storage between uses

- Minimum ambient temperature (without monitoring of relative humidity): -25 °C
- Maximum ambient temperature (with relative humidity of up to 93 %, non-condensing): +70 °C
- Humidity: max. 93 %
- Atmospheric pressure: 500 hPa to 1,060 hPa

For more information, please see Instructions for Use.

Packaging information

Packaging individual sales unit:

- Dimension: 160 x 206 x 292 mm (H x W x D)
- Total Weight: 2,213 kg

PARI strives to improve the sustainability of our packaging, for example by using corrugated cardboard with recycled fibre content. When selecting our suppliers for packaging materials, we look for FSC certifications.

PARI adheres to the mandatory guidelines and standards i.e:

- VerpackG (Germany)
- European „Packaging and packaging waste directive“ 94/62/EC (1994)
- ASTM D4169-16 Standard Practice for Performance Testing of Shipping Containers and Systems

PARI furthermore declares that the packaging for this product does not consist of the following materials: expanded polystyrene (PS, EPS, XPS), regenerated cellulose, oxo(bio)-degradable plastic, halogenated materials such as PVC.

Disposal

Compressor:

This product falls within the scope of the European Council Directive on Waste Electrical and Electronic Equipment (WEEE)**.

Accordingly, this product must not be disposed of with domestic waste. The disposal regulations applying in the respective countries must be complied with (e.g. disposal by local authorities or distributors).

Nebuliser and mask:

All product components may be disposed of with normal domestic waste. The country-specific disposal regulations must be observed.

Reusable product:

Please see Instructions For Use for reprocessing cycles and methods.

* Webbased survey (2021) conducted by PARI in Germany amongst users of PARI BOY (n=142).

** Directive 2012/19/EU of the EUROPEAN PARLIAMENT AND THE EUROPEAN COUNCIL of July 4, 2012 on waste electrical and electronic equipment.

Year Packs & Replacement nebulisers:

Item No.	Product	Material ¹
023G3219	PARI TurboBOY®/Classic Year Pack (Nordics): <ul style="list-style-type: none"> • PARI LC SPRINT® nebuliser with mouthpiece (blue nozzle insert without PIF control) • Connection tubing • Air filter for compressor 	Polypropylene, thermoplastic elastomer, polyvinyl chloride
023G3319	PARI BOY® Junior Year Pack <ul style="list-style-type: none"> • PARI LC SPRINT® Junior nebuliser with mouthpiece (yellow nozzle insert with PIF control) • Connection tubing • Air filter for compressor 	Polypropylene, thermoplastic elastomer, polyvinyl chloride
023G3019	PARI BOY® SX/Pro Year Pack <ul style="list-style-type: none"> • PARI LC SPRINT® nebuliser with mouthpiece (blue nozzle insert with PIF control) • Additional red nozzle insert • Connection tubing • Air filter for compressor 	Polypropylene, thermoplastic elastomer, polyvinyl chloride

¹ Detailed material information can be found in the respective IFUs.

With the right accessories for efficient inhalation for all indications and age groups:

Item No.	Product	Units	Material ¹
041G0910	PARI BABY mask size 0 incl. BABY bend	1	Silicone, polypropylene
041G0911	PARI BABY mask size 1 incl. BABY bend	1	Silicone, polypropylene
041G0912	PARI BABY mask size 2 incl. BABY bend	1	Silicone, polypropylene
041G0913	PARI BABY mask size 3 incl. BABY bend	1	Silicone, polypropylene
041G0753	PARI Child mask soft „Spiggy“	1	Polypropylene, thermoplastic elastomer, synthetic rubber band
041G0752	PARI Adult mask soft	1	Polypropylene, thermoplastic elastomer, synthetic rubber band
018G4009	PARI PEP S System	1	Polypropylene, silicone, polyacetal, thermoplastic elastomer
041G0509	PARI Filter Valve Set	1	Polypropylene, silicone, polypropylene-based synthetic fibres
041G0522	PARI Filter Pads	30	Polypropylene-based synthetic fibres
041G0523	PARI Filter Pads	100	Polypropylene-based synthetic fibres
041G0524	PARI Filter Pads	1,000	Polypropylene-based synthetic fibres
041G4587	Connection tubing (1.9 m f-m)	1	Polyvinyl chloride, thermoplastic elastomer
041G4591	Connection tubing (1.2 m f-m)	1	Polyvinyl chloride, thermoplastic elastomer
022G1000	PARI LC Interrupter	1	Polypropylene



Distributed by:



PARI GmbH
 Moosstrasse 3, 82319 Starnberg
 GERMANY
 E-Mail: export@pari.de
 Tel.: +49 (0)8151 279 220
www.pari.com

DENMARK
 Timik ApS
sales@timik.dk
www.timik.dk

SWEDEN
 Timik AB
order@timik.se
www.timik.se

NORWAY
 Timik AS
bestilling@timik.no
www.timik.no

FINLAND
 Timik OY
tilaukset@timik.fi
www.timik.fi