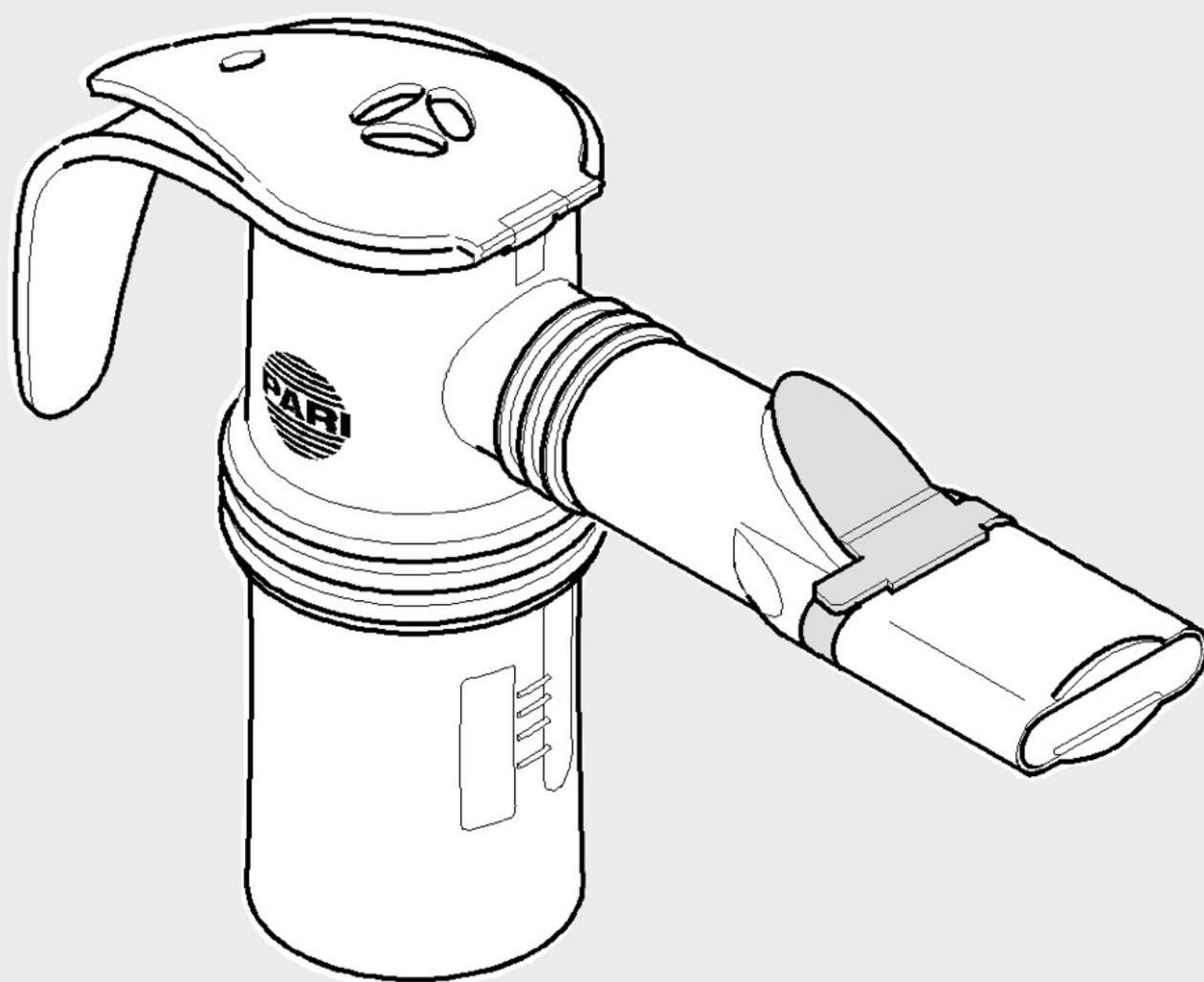


# PARI LC SPRINT SPA



# Instructions for use

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# 1 IMPORTANT INFORMATION

## 1.1 General

Please read these instructions for use carefully and completely. Do not discard, so you can consult them at a later date. If you fail to comply with the instructions for use, injury or damage to the device cannot be ruled out.

**If symptoms persist or if your condition worsens, discontinue the application and contact your doctor immediately.**

## 1.2 Information about the instructions for use

**These instructions for use are intended for the user at home.**

## 1.3 Structure of safety instructions

Safety-critical warnings are categorised according to hazard levels in these instructions for use:

- The signal word CAUTION is used to indicate hazards which, without precautionary measures, can result in minor to moderate injury or impair treatment.
- The signal word NOTICE is used to indicate general pre-cautionary measures which are to be observed to avoid damaging the product during use.

## 1.4 Treatment of babies, children and anyone who requires assistance

Babies, children and anyone who requires assistance must be supervised constantly by an adult during inhalation therapy. This is the only way to ensure safe and effective treatment. Individuals in this group often underestimate the hazards involved (e.g. strangulation with the power cord or the connection tubing), thus resulting in a risk of injury.

The product contains small parts. Small parts can block the airways and lead to a choking hazard. Therefore, make sure that you always keep the compressor, the nebuliser and the accessories out of the reach of babies and infants.

Special masks may be obtained for treating babies and infants who are not yet able to inhale using the mouthpiece.

The nebulisers are only designed for patients who are able to breathe by themselves and are conscious. This is the only way to ensure effective treatment and avoid a choking hazard.

## 1.5 Hygiene

Observe the following hygiene instructions:

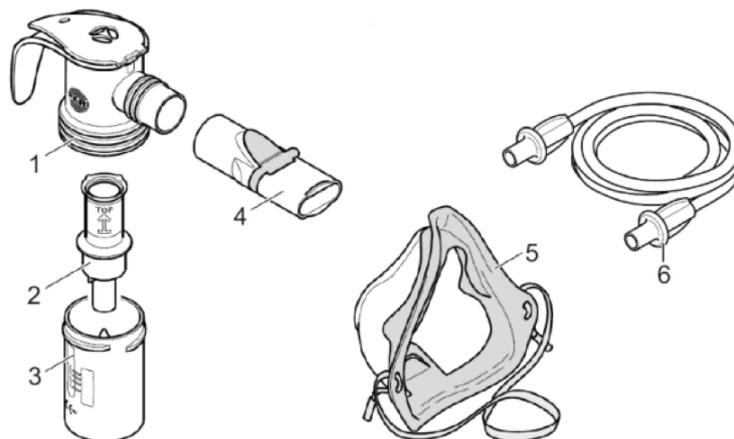
- Do not use product components unless they have been thoroughly cleaned and dried. Contamination and residual moisture encourage the growth of bacteria, which increases the risk of infection. Before every use and cleaning, wash your hands thoroughly.
- Make absolutely sure you also carry out cleaning and drying before using the device for the first time.
- For cleaning and disinfection, always use fresh water with reduced calcium content.
- Make sure all components are dried properly whenever you have performed cleaning or disinfection.
- Do not keep the product and accessories in a damp environment or together with damp objects.

## 2 PRODUCT DESCRIPTION

### 2.1 Components

To find out which components are included in your pack, refer to the following table.

Check that all components of your PARI product are contained in your package. If anything is missing, please notify the dealer from whom you purchased the PARI product immediately.



1. Nebuliser upper section
2. Nozzle attachment
3. Nebuliser lower section
4. Mouthpiece

5. Child mask soft
6. Connection Tubing(f/f)

## 2.2 Intended purpose

The nebuliser PARI LC SPRINT SPA is a medication nebuliser that is designed to be used in conjunction with a compressor for inhalation therapy of the lower and/or upper airways.

Each application generally takes between 5 and 10 minutes (depending on the quantity of medication), but in no case more than 20 minutes.

## 2.3 Intended use

The nebuliser is intended exclusively for home use.

For reasons of hygiene, the nebuliser, the mouthpiece and the masks must only be used by a single patient.

This product is only designed for patients who are able to breathe by themselves and are conscious.

Only medication that has been approved for inhalation treatment must be used. Take note of any restrictions in the instructions for use of the medication in question.

## 2.4 Contraindications

None.

## 2.5 Product variants and combinations

The PARI LC SPRINT SPA nebulisers can be operated with all PARI compressors that are available on the market.

There are several different versions of the PARI LC SPRINT nebuliser, together with various accessories and nozzle attachments, designed for different age groups and requirements.

## 2.6 Material information

Polypropylene	Nebuliser, mouthpiece, child mask soft
Thermoplastic elastomer	Nebuliser, mouthpiece, child mask soft
Polyester	Rubber band
Synthetic rubber	Rubber band

## 2.7 Operating life

Replace the nebuliser after a year at the latest as changes can occur in the material of the nebuliser over time. This might impair the effectiveness of the treatment.

## 3 INHALATION

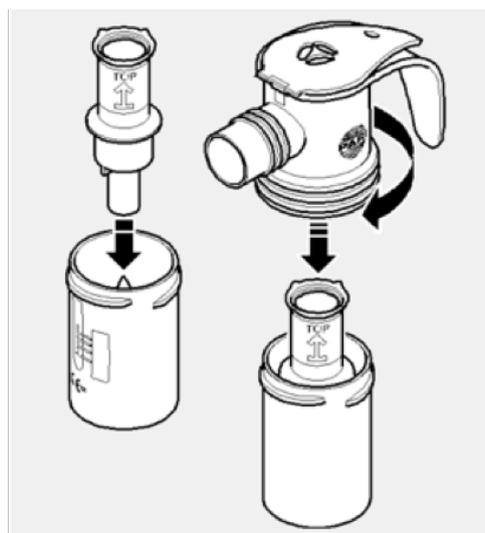
### 3.1 Assembling the nebuliser



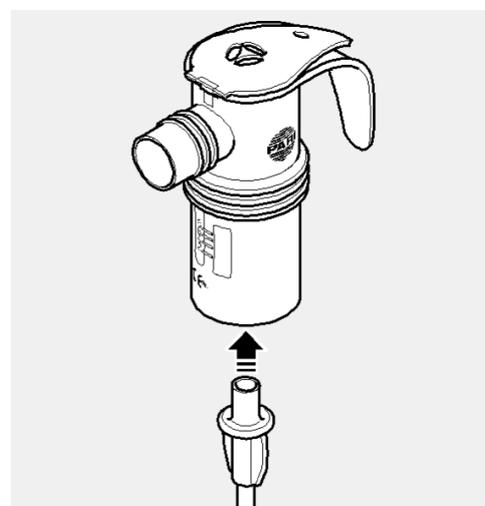
#### CAUTION

Check all nebuliser components and the accessories before each use. Replace any broken, misshapen or seriously discoloured parts. Please also follow the instructions for assembly given below. Damaged components and/or an incorrectly assembled nebuliser may impair functioning of the nebuliser and thus treatment as well.

- Press the nozzle attachment lightly onto the nozzle in the nebuliser lower section. The arrow on the nozzle attachment must point upwards.
- Place the nebuliser upper section on the nebuliser lower section and turn it clockwise to lock the two parts together.

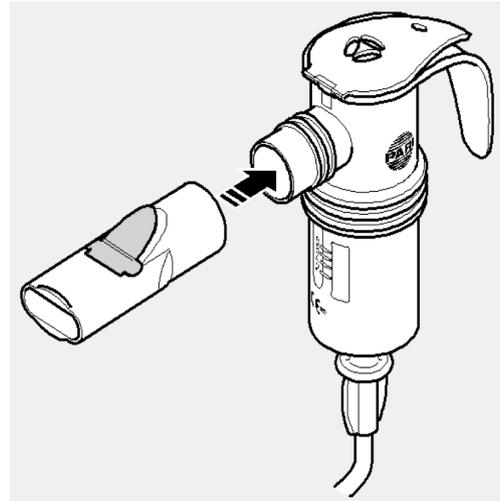


- Attach the connection tubing to the nebuliser.



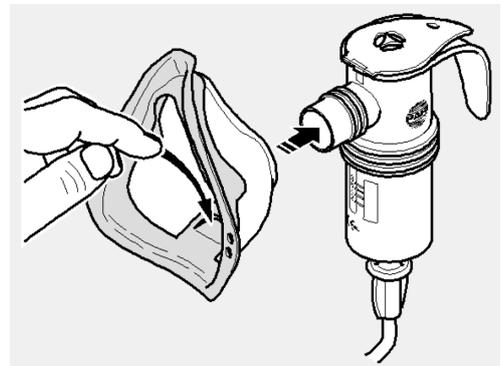
### Using with a mouthpiece

- Fit the mouthpiece onto the nebuliser.



### Using with a child mask

- Attach the child mask to the nebuliser.



*When using a mask, make sure that the expiratory valve plate is pressed out so you can exhale freely during an inhalation session.*

## 3.2 Filling with medication

### **NOTICE**

Take care to ensure that the cap only moves in the direction allowed by the hinge. Otherwise the **nebuliser cap might snap off**.

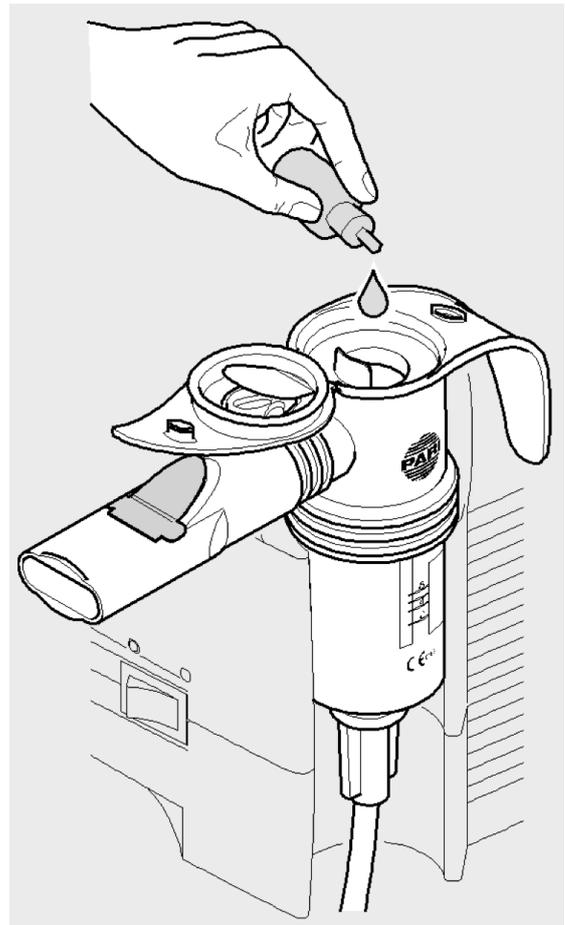
- Insert the nebuliser in the holder on the compressor intended for this purpose.
- Open the nebuliser cap by pressing your thumb against the underside of the cap.
- Pour the quantity of medication prescribed by your doctor into the nebuliser nozzle attachment.

Be sure to follow the instructions regarding the minimum and maximum fill volumes [see: Technical data,

page 13]. If the nebuliser contains too little or too much medication, nebulisation, and thus also the treatment, will be greatly impaired.

- Close the nebuliser cap.  
Make sure that the cap snaps into place.

If you are to inhale several medications one after the other in one application, rinse out the nebuliser with tap water between inhalations. Remove excess water by shaking the nebuliser and then fill with medication as described.



### 3.3 Performing the inhalation

Before starting the treatment, ensure that all parts are firmly connected to each other.

*Several drops of medication will remain in the nebuliser after the treatment has ended.*

- Connect the connection tubing to the compressor and switch the compressor on.
- Sit in an upright position and relax.
- Take the nebuliser out of its holder and hold it upright.
- Take the mouthpiece between your teeth and close your lips around it or press the mask lightly over the mouth and nose.
- Breathe in through the mouthpiece or mask as slowly and deeply as possible, and then breathe out in a relaxed manner.
- Perform the treatment until the aerosol is used up (indicated by a change in the sound of the nebuliser)

- Replace the nebuliser in the holder as soon as you have finished inhaling.
- Switch the compressor off.

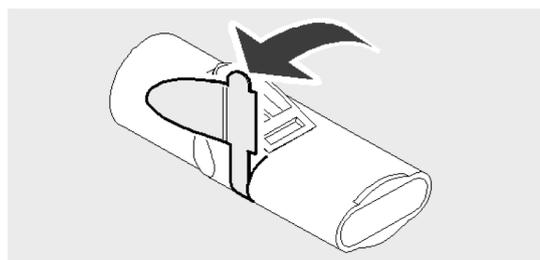
## 4 CLEANING AND DISINFECTION AT HOME

The nebuliser and the accessories used must be cleaned thoroughly after each application and disinfected at least once a day.

*The connection tubing cannot be cleaned or disinfected.*

### 4.1 Preparation

- Detach the connection tubing from the nebuliser.
- Make sure that all medication residues are removed from the nebuliser.
- Dismantle the nebuliser into its individual parts.
- Carefully pull the blue expiratory valve out of the slot in the mouthpiece. The valve must still be attached to the mouthpiece.
- Rinse all components of the nebuliser under running tap water. This must be done especially thoroughly if cleaning and disinfection are not carried out straight away.

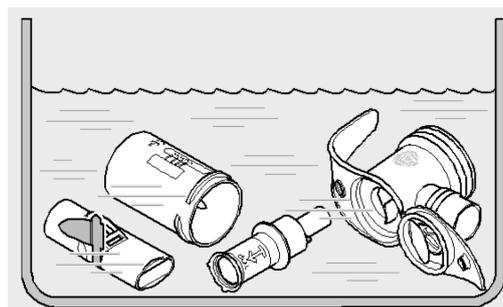


### 4.2 Care of the connection tubing

- Connect the connection tubing to the compressor.
- Switch the compressor on.
- Leave the compressor running until any condensation in the connection tubing has been removed by the air flowing into it.

### 4.3 Cleaning

- Place all disassembled components in warm tap water with a little dishwashing liquid for at least 5 min. If necessary, use a clean brush to remove loose dirt (the brush must be reserved exclusively for this purpose).



- Rinse all parts thoroughly in running water.
- You can remove excess water more quickly by shaking all parts.

## 4.4 Disinfection

After cleaning, disinfect the dismantled nebuliser and accessories used (except for the connection tubing). Effective disinfection is only possible if the nebuliser has been cleaned.

### ***Information when using masks with rubber bands:***

*The rubber band can only be cleaned as it might be damaged by the high temperatures used during disinfection.*



### **CAUTION**

A damp environment may encourage the growth of bacteria. Therefore, remove all parts from the pot or disinfector as soon as disinfection has finished. Dry the parts. The **risk of infection** is reduced when the parts are dried completely.

### **In boiling water**

- Place all the individual parts in boiling water for at least 5 minutes. Use a clean pot and fresh water with reduced calcium content, if possible.

Plastic will melt if it comes into contact with the hot base of the pot. Therefore, make sure there is plenty of water in the pot. This way you will avoid damaging the components.

- You can remove excess water more quickly by shaking all parts.

### **Using a standard thermal disinfector for baby bottles (not a microwave oven)**

For effective disinfection, use a disinfector with a runtime of at least 6 minutes. Regarding disinfection, the duration of the disinfection procedure and the quantity of water required for this, follow the instructions for use of the disinfector you are using.



### **CAUTION**

Inadequate disinfection encourages the growth of bacteria and thus increases the risk of infection. Thorough disinfection has not been completed until the disinfectant automatically switches itself off, or the minimum disinfection time specified in the instructions for use of the disinfectant has elapsed. Therefore, do not switch the device off prematurely. Also make sure that the disinfectant is kept clean and regularly check that it is in good working order.

### With a microwave disinfectant

Microwave disinfectants ensure effective disinfection of the product components in a standard commercial microwave oven.

Place the product components in the disinfectant with enough space between them to allow the steam to reach all surfaces reliably.



Maintain the following times when disinfecting:

Wattage	Disinfection time	Cooling time
850 – 950	4 min.	2 min.
600 – 850	6 min.	2 min.

Information about the amount of water required and about the disinfection process is included in the instructions for use of the devices in question (disinfectant and microwave).



### CAUTION

The product components must not be exposed to microwave radiation unless they are in a microwave disinfectant. If they are heated in a microwave oven without the protection of the disinfectant, the **individual parts will be damaged.**

Do not use the grill function because this too will **damage the individual parts.**

At the end of the disinfection process, the parts may still be very hot. Therefore, it is essential to wait for the cooling time to pass before taking the parts out, otherwise there is a **risk of burns.**

Inadequate or ineffective disinfection encourages the growth of bacteria and thus increases the **risk of infection.** Disinfection is not completed properly

unless both the specified minimum disinfection time and the required power output of the microwave are observed. The disinfectant must also be perfectly clean. Check regularly that the microwave and the disinfectant are functioning perfectly.

Use only water for disinfection, never use chemicals.

## 4.5 Visual inspection

Inspect all product components after each cleaning and disinfection. Replace any broken, misshapen or seriously discoloured parts.

## 4.6 Drying and storage

- Place all parts on a dry, clean and absorbent surface and let them dry completely.
- Wrap the nebuliser in a clean, lint-free cloth (e.g., a tea-towel) and keep it in a dry, dust-free environment.

# 5 MISCELLANEOUS

## 5.1 Disposal

All product components can be disposed of with domestic waste unless this is prohibited by the disposal regulations prevailing in the respective member countries.

## 5.2 Technical data

Operating gases	Air, oxygen
Minimum flow	3.0 l/min.
Corresponding minimum operating pressure	0.5 bar / 50 kPa
Maximum flow	6.0 l/min.
Corresponding maximum operating pressure	2.0 bar / 200 kPa
Minimum fill volume	2 ml
Maximum fill volume	8 ml

Aerosol data according to DIN EN 13544-1 is available on request from INQUA GmbH.

### 5.3 Explanation of symbols

The following symbols can be found on the product and/or the packaging:

	Manufacturer
	The product satisfies the basic requirements as set forth in Appendix I of Directive 93/42/EEC concerning medical devices.
	Please follow the instructions for use.
	Order no.
	Lot no.

### 5.4 Contact

For all product information and in the event of defects or questions about usage, please contact:

INQUA GmbH  
GERMANY  
[inquair@inqua.de](mailto:inquair@inqua.de)