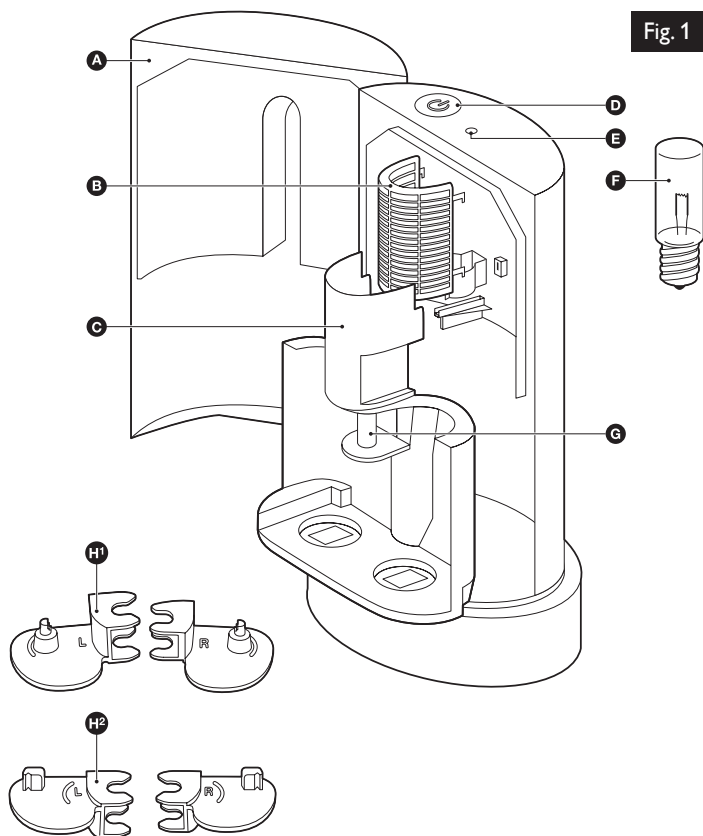


# UV Sanitizer

HX7990



**PHILIPS**  
**sonicare**  
the sonic toothbrush



**HX7990**

**ENGLISH 4**

### Introduction

The Sonicare UV Sanitizer uses a specially designed UV light bulb that helps kill germs on the brush head of your rechargeable toothbrush in a 10-minute sanitizing cycle. When used properly on Sonicare ProResults, Sonicare e-series, Oral-B Flexisoft\* and Oral-B FlossAction\*\* brush heads, this device is designed and demonstrated to act upon the following germs: Streptococcus mutans, Herpes simplex virus and Escherichia coli.

\*Flexisoft is a registered trademark of Braun Aktiengesellschaft Joint Stock Company Fed Rep Germany.

\*\*Oral-B and FlossAction are registered trademarks of Gillette Canada Company, dba Oral-B Laboratories Corporation Canada.

## IMPORTANT SAFEGUARDS

### READ ALL INSTRUCTIONS BEFORE USE

### DANGERS

#### **To reduce the risk of electrocution:**

- 1 DO NOT place or store the sanitizer where it can fall or be pulled into a bathtub, sink or toilet.
- 2 DO NOT place or drop in water or any other liquid.
- 3 DO NOT reach for a sanitizer that has fallen into water. Unplug immediately.

## WARNINGS

**To reduce the risk of burns, electric shock, fire or injury:**

- 1 DO NOT plug into an outlet with a voltage other than specified on the bottom of the sanitizer. Voltage converters and plug adapters DO NOT guarantee voltage compatibility. Never force the plug into an outlet; if it does not easily fit into the outlet, discontinue use. Unplug the sanitizer and call Customer Service if the sanitizer gives off smoke or a burning smell while in operation.
- 2 Never use the sanitizer if it has a damaged cord or plug. Keep away from heated surfaces. Do not use the sanitizer outdoors or in areas with direct sunlight.
- 3 Discontinue use of the sanitizer if the UV light bulb remains on when the door is open or if the window in the door is broken or missing. UV light can be harmful to the human eye and skin.
- 4 This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 5 Children should be supervised to ensure that they do not play with the appliance.
- 6 Do not operate the sanitizer without the protective screen in place to avoid contact with a hot bulb.
- 7 If the sanitizer is used for 3 consecutive UV clean cycles (i.e., 3 times in a row) a minimum of 30 minutes 'OffTime' is required before you start another UV clean cycle.

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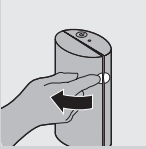
- 8 Do not use attachments other than those recommended by the manufacturer.
- 9 Do not use if dropped into water.
- 10 Do not use this product or any of its components for purposes other than described in this manual.
- 11 Do not operate the UV sanitizer where aerosol (spray) products are being used or where oxygen is being administered.

# SAVE THESE INSTRUCTIONS

### General description (Fig. 1)

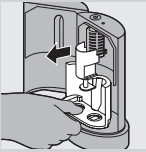
- A** Door recess
  - B** Removable protective screen for light bulb
  - C** Removable drip tray
  - D** Power on/off button
  - E** UV clean LED
  - F** UV light bulb
  - G** Center post to attach brush head holders
  - H** Brush head holders
    - H1 brush head holder for Sonicare ProResults brush heads
    - H2 brush head holder for Oral-B Flexisoft\*, Oral-B FlossAction\*\*
- No brush head holder needed for Sonicare e-series brush heads.

## Before first use

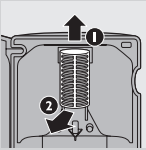


*Note:* Your sanitizer may come with the UV light bulb installed. If this is the case, go on to chapter 'Preparing for use'.

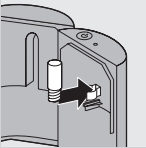
- 1** Place your finger in the door recess on the right-hand side of the sanitizer and pull open the door.



- 2** Remove the drip tray.



- 3** Remove the protective screen by gently lifting it up (1) and pulling it forward (2).



- 4** Install the UV light bulb by snapping it into the lamp holder.

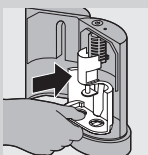
Do not crush or break the bulb. UV light bulbs contain a small amount of mercury.

*Note:* Use only the UV light bulb supplied or a replacement UV light bulb ordered from Philips or Philips Authorized Service Centers.

*Note:* To remove the UV light bulb, pull it out of the lamp holder.

- 5** Align the pegs on the protective screen with the slots in the reflective surface of the sanitizer on either side of the UV light bulb.

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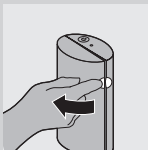


**6** Insert and gently push down the screen to secure it in the sanitizer.

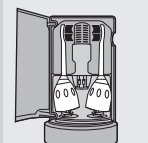
**7** Reattach the drip tray.

### Preparing for use

#### Sanitizing Sonicare e-series brush heads



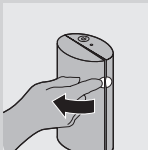
**1** Place your finger in the door recess on the right-hand side of the sanitizer and pull open the door.



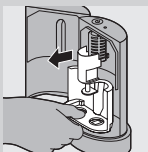
**2** Place the brush heads directly on the drip tray with the bristles facing the UV light bulb.

#### Sanitizing Sonicare ProResults, Oral-B Flexisoft and Oral-B FlossAction brush heads

*Note: This sanitizer is NOT suitable for other brush heads.*



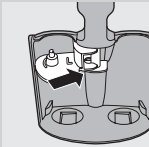
**1** Place your finger in the door recess on the right-hand side of the sanitizer and pull open the door.



**2** Remove the drip tray.

**3** Select the appropriate brush head holder (see chapter 'General description').

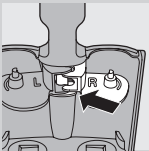




- 4** Attach the brush head onto the appropriate brush head holder (see chapter ‘General description’).

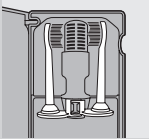
- 5** Attach the left brush head holder (L) to the left side of the center post until it clicks into place.

*Note: The brush head holders do not fit properly when you place the right brush head holder first. Always start with the left brush head holder.*

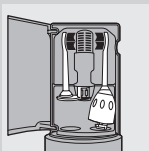


- 6** Attach the right brush head holder (R) to the right side of the center post until it clicks into place.

- 7** Place the drip tray back into the sanitizer.



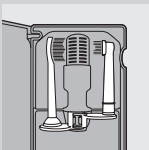
- 8** Place the brush heads onto the brush head holders with the bristles pointing towards the UV light bulb.



### **Sanitizing brush heads of two different types**

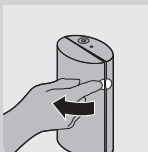
If you want to sanitize brush heads of two different types, use the appropriate brush head holder for each type.

- 1** Select the appropriate brush head holder for each type of brush head (see chapter ‘General description’. Sonicare e-series brush heads do not require a brush head holder).



- 2** Follow the instructions given under ‘Sanitizing Sonicare ProResults, Oral-B Flexisoft and Oral-B FlossAction brush heads’.

## Using the appliance



Do not place the travel cap on the brush head during sanitization.

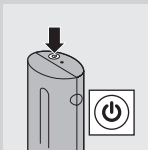
- 1** After brushing, rinse the brush head and shake off excess water.
- 2** Place your finger in the door recess on the right-hand side of the sanitizer and pull open the door.
- 3** Put the brush heads into the sanitizer (see chapter 'Preparing for use').

*Note: Make sure the bristles of the brush head face the light bulb.*

- 4** Close the sanitizer door.

*Note: The sanitizer does not work when the door is not properly closed.*

- 5** Put the plug in a live power outlet.



- 6** Press the power on/off button to start the UV clean cycle.

*Note: The sanitizer is in operation when the blue light glows through the window on the front of the sanitizer and the UV clean LED flashes slowly.*

*Note: The sanitizer needs to run for the full 10-minute UV clean cycle to get optimal results.*

*Note: When the sanitizing cycle is complete, the UV clean LED turns solid green and the sanitizer automatically shuts off.*

*Note: You can stop the sanitizer during the sanitizing cycle by either pressing the on/off button or by opening the door.*

## Cleaning and maintenance

Do not clean any of the sanitizer accessories in a dishwasher.

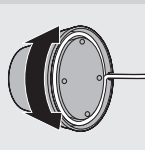
Do not clean the sanitizer when the UV light bulb is hot.

For optimal effectiveness, it is recommended to clean your sanitizer as follows:

- 1** Unplug the sanitizer.
- 2** Remove the drip tray, protective screen and the light bulb (see chapter 'Before first use').
- 3** Thoroughly rinse the brush head holders and the drip tray with warm soapy water and wipe them clean with a damp cloth.
- 4** Wipe the bulb, the protective screen, and all internal and external surfaces with a damp cloth.
- 5** Let all items dry before you reinstall them.
- 6** Reattach the drip tray, protective screen and light bulb (see chapter 'Before first use').

## Storage

- If you are not going to use the sanitizer for an extended period of time, unplug it from the electrical outlet, clean it and store it in a cool and dry place away from direct sunlight.
- You can use the cord-wrap feature to store the power cord in an organized manner.



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### Replacement

Replacement parts are available through your Sonicare Customer Service Center. Refer to the Guarantee and Service section of this manual for phone number and website information.

The parts available for ordering are:

- UV light bulb
- Brush head holders
- Protective screen

### Replacing the UV light bulb

When the UV clean LED flashes quickly, the UV light bulb must be replaced.

See chapter 'Before first use' for replacing the UV light bulb.

### Environment

- The UV light bulb contains mercury and may be harmful to the environment. Do not crush, break or attempt to disassemble the bulb. Do not throw away the UV light bulb with the normal household waste when you replace it, but hand it in at an official collection point for recycling.
- Do not throw away the appliance with the normal household waste at the end of its life, but hand it in at an official collection point for recycling. By doing this, you help to preserve the environment. If you have any recycling questions, contact your local waste management office.



## Guarantee and service

If you have any questions after reading this manual, feel free to contact our Customer Service Center or visit our website.

Customer Service Center 1-800-682-7664 (North America), outside North America, contact your local Philips Customer Care Center.

Internet information: [www.sonicare.com](http://www.sonicare.com) (North America) or [www.philips.com](http://www.philips.com) (outside North America) See separate Philips worldwide guarantee leaflet for standard guarantee.

## WARRANTY EXCLUSIONS

What is not covered under warranty:

- UV light bulb
- Damage to brush heads
- Damage caused by misuse, abuse, neglect, alterations or unauthorized repair.
- Normal wear and tear, including chips, scratches, abrasions, discoloration or fading.

## IMPLIED WARRANTIES

ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THE EXPRESS WARRANTIES SET FORTH IN THE PHILIPS WORLDWIDE GUARANTEE LEAFLET. SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

## LIMITATION OF REMEDIES

IN NO EVENT SHALL PHILIPS OR ANY OF ITS AFFILIATED OR SUBSIDIARY COMPANIES BE LIABLE FOR ANY SPECIAL, INCIDENTAL

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OR CONSEQUENTIAL DAMAGES BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, TORT, OR ANY OTHER LEGAL THEORY. SUCH DAMAGES INCLUDE, WITHOUT LIMITATION, LOSS OF SAVINGS OR REVENUE; LOSS OF PROFIT; LOSS OF USE; THE CLAIMS OF THIRD PARTIES INCLUDING, WITHOUT LIMITATION, DENTISTS AND DENTAL HYGIENISTS; AND COST OF ANY SUBSTITUTE EQUIPMENT OR SERVICES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR EXCLUSION MAY NOT APPLY TO YOU.

### Troubleshooting

This chapter summarizes the most common problems you may encounter with your sanitizer. If you are unable to solve the problem, contact the Customer Care Center in your country.

Problem	Solution
The UV clean LED flashes quickly.	The UV light bulb must be replaced (see chapter 'Replacement').
The UV light does not go on.	Make sure the door is properly closed.  Make sure the sanitizer is plugged into a live power outlet.  The UV light bulb must be replaced (see chapter 'Replacement').
The brush head of my toothbrush does not fit in the sanitizer.	Check the list of brush heads that fit in the sanitizer (see chapter 'Introduction').

Problem	Solution
	Make sure you use the correct brush head holder (see chapter 'General description').
	Make sure the bristles point towards the UV light bulb.
The bristles of my brush head change color.	Exposure to UV light may cause bristles to slightly change color over time.

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\*\*Oral-B and FlossAction are registered trademarks of Gillette Canada Company, dba Oral-B Laboratories Corporation Canada.



[www.philips.com/support](http://www.philips.com/support)

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