

H5i™ disinfection guide

HEATED HUMIDIFIER

This disinfection guide is intended for multipatient use of the H5i in a sleep lab, clinic or hospital. If you are using the H5i as a single user in the home, refer to the Welcome Guide for cleaning instructions.

This guide describes ResMed's recommended and validated procedures for cleaning and disinfection of the humidifier. However, the steps for disinfection vary regionally. As a result, each healthcare facility should consult its own procedures before carrying out those within this guide.

Parts suitable for disinfection

Part	High level thermal or chemical disinfection
H5i cleanable water tub (including tub lid, plate and base)	✓
Air outlet	✓

Validated disinfection procedures

In the procedures below, only **one** disinfection process needs to be performed.

	Procedures
Disassembly	Disassemble the H5i according to the instructions below.
Cleaning	<ol style="list-style-type: none"> 1. Clean all components with a soft bristle brush for one minute while soaking them in the detergent¹ solution. Pay particular attention to all crevices and cavities. 2. Thoroughly rinse each component according to the manufacturer's instructions.
Disinfection and drying	High level thermal <ol style="list-style-type: none"> 1. Soak the disassembled components in a hot water bath at pasteurising temperature². Take care that no air bubbles are trapped against the components. 2. Air dry out of direct sunlight.
	High level chemical <ol style="list-style-type: none"> 1. Soak the disassembled components in a commercially available solution of a chemical sterilant³. Take care that no air bubbles are trapped against the components. 2. Thoroughly rinse⁴ each component according to the manufacturer's instructions. 3. Air dry out of direct sunlight.
Inspection	Perform a visual inspection of all components. If any visible deterioration is apparent (cracking, crazing, tears etc), the water tub should be discarded and replaced. Slight discolouration of the silicone components may occur and is acceptable.
Reassembly	Reassemble the H5i according to the instructions below.
Packaging and storage	Store in a dry, dust-free environment away from direct sunlight. Storage temperature: -20°C to 60°C (-4°F to 140°F).

¹ Cleaning: ResMed has tested the following detergents according to the manufacturer's instructions:

- Alconox Tergazyme (diluted at 1%) using hot water (approximately 60°C or 140°F) or warm water (approximately 50°C or 122°F)
- Aniosyme DDI (diluted at 0.5%) using room temperature water (approximately 20°C or 68°F)
- Neodisher MediZym (diluted at 2.0%) using warm water (approximately 45°C or 113°F)

² High level thermal disinfection: Due to specific regional requirements, ResMed water tubs have been tested for disinfection for 100 cycles using hot water (approximately 93°C or 199°F) for 10 minutes.

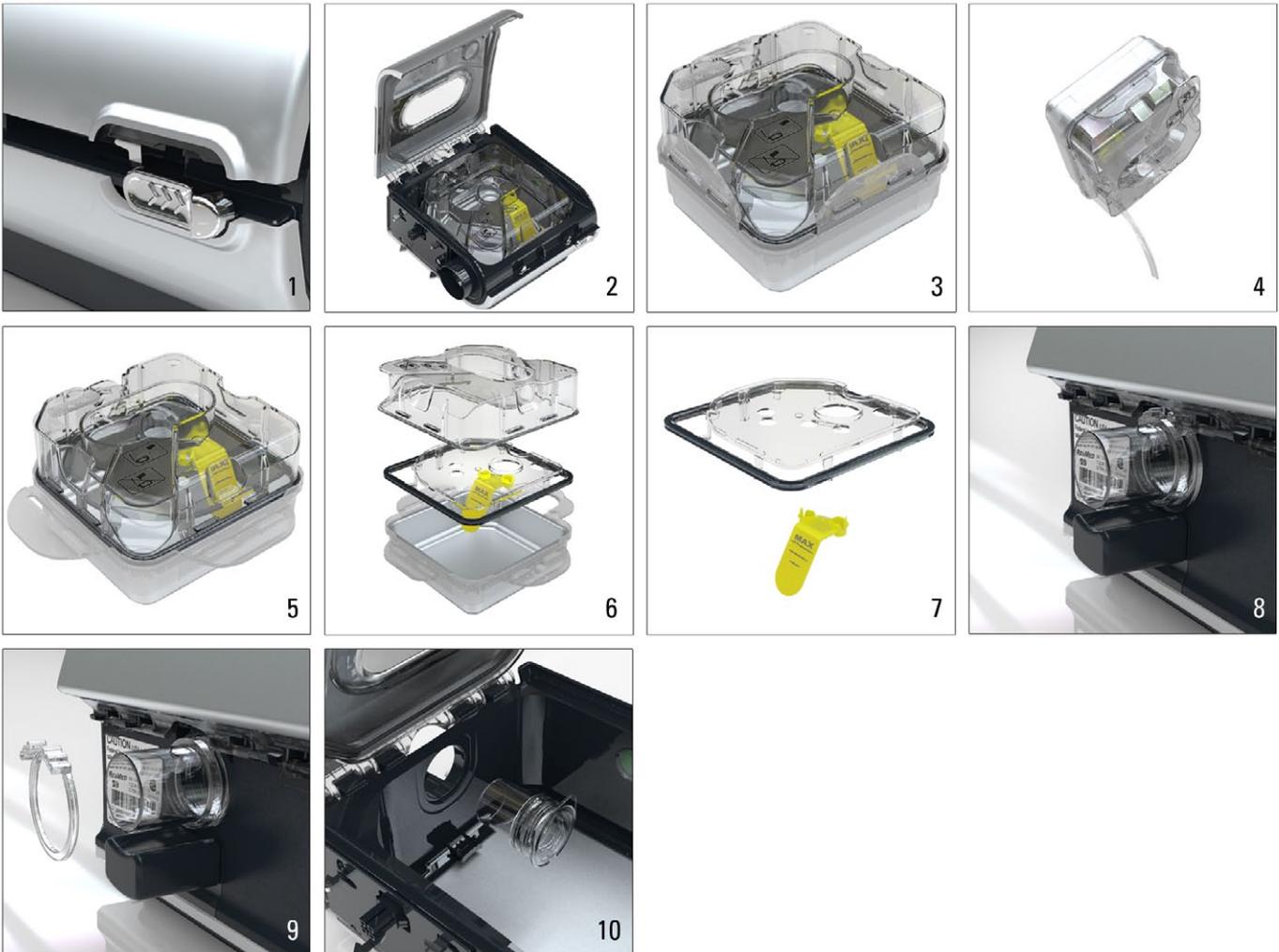
³ High level chemical disinfection: ResMed cleanable water tubs have been validated for 100 cycles according to the manufacturer's instructions using solutions of:

- Ortho-phthalaldehyde 0.55% CIDEX OPA for 12 minutes
- Anioxyde 1000 for 30 minutes
- Sekusept aktiv 2.0% for 30 minutes

⁴ Rinsing: Thoroughly rinse each component in drinking quality water (five litres per assembly) by immersing it completely for a minimum of one minute in duration. Repeat the rinse procedure two additional times using fresh water for a total of three rinses.

Disassembling the H5i

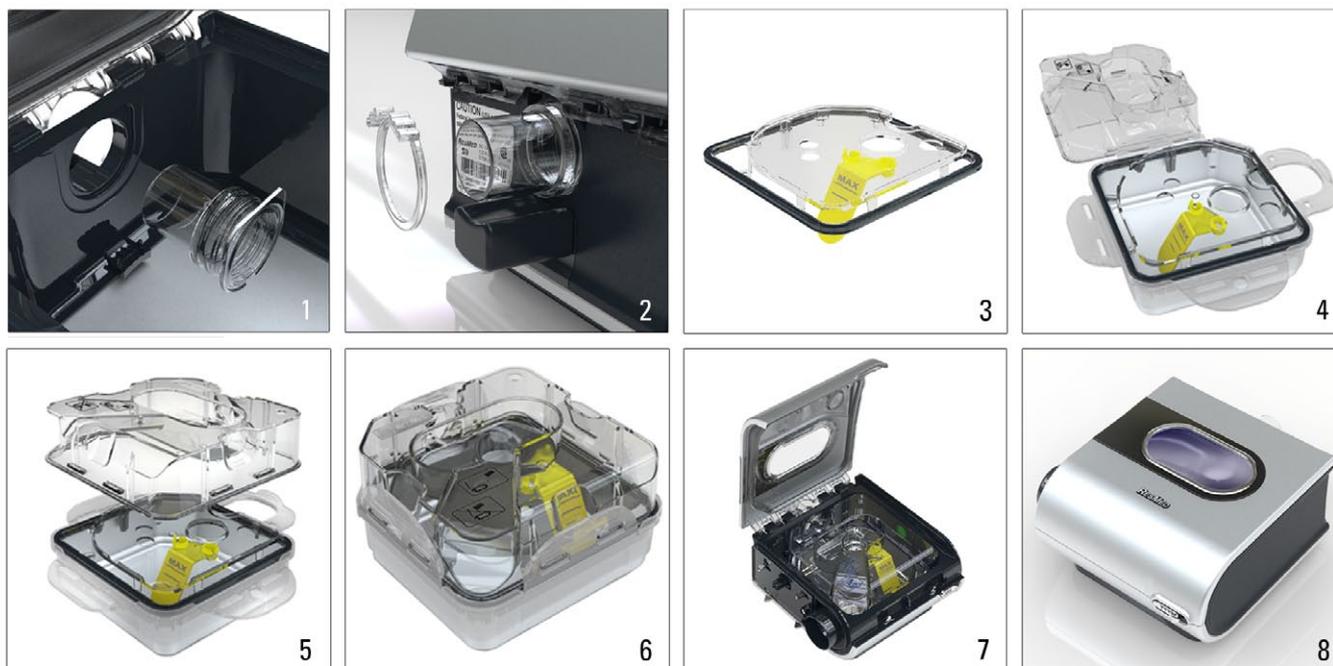
1. Slide the latch.
2. Lift open the flip lid.
3. Remove the water tub.
4. Discard any excess water from the water tub.
5. Unclip all four side latches.
6. Pull apart the tub lid, plate and base.
7. Remove the maximum water level mark from the plate by pinching and pushing out the locks.
8. Locate the air outlet on the back of your H5i.
9. Remove the outlet clip by pulling apart the clip ends and sliding it off.
10. Remove the air outlet by pushing it through to the inside of the H5i.



Reassembling the H5i

When all the parts are clean and dry, reassemble the H5i as follows:

1. Reinsert the air outlet ensuring that the straight side is facing up.
2. Place the outlet clip back onto the air outlet. Ensure that the outlet clip goes past the ridge on the air outlet.
3. Reinsert the maximum water level mark into the plate ensuring that it clicks into place.
4. Place the plate back onto the base ensuring that the maximum water level mark faces up.
5. Place the tub lid back onto the plate/base ensuring that the centre holes are aligned.
6. Clip all four side latches.
7. Fill the water tub and return the water tub to the H5i.
8. Close the flip lid ensuring that it clicks into place.



GENERAL WARNINGS AND CAUTIONS

- ResMed cannot give any assurance that deviations from the procedures listed in this guide, and their effect on the performance of the product, will be acceptable.
- When using detergents, disinfectants or sterilisation agents, always follow the manufacturer's instructions.
- Beware of electrocution. Do not immerse the device or power cord in water. Always unplug the device before cleaning and be sure that it is dry before plugging back in.

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