RESMED

Air tubing disinfection guide

This disinfection guide is intended for multipatient use of the air tubing in a sleep lab, clinic or hospital. If you are using the air tubing 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 air tubing. 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	Disinfection			
	High level thermal	High level chemical		
	Hot water (approximately 75°C or 167°F) for 30 minutes[1]	CIDEX™ OPA Ortho-phthalaldehyde 0.55% for 12 minutes[1]	Anioxyde™ 1000 for 30 minutes[2]	Sekusept aktiv 2.0% for 30 minutes[3]
	Validated number of cycles			
SlimLine™	100	100	100	100
Standard	20	100	20	100
ClimateLine™	26	100	100	-
ClimateLine^{MAX} ™ / ClimateLine^{MAX} ™ Oxy	20	20	20	-

ResMed has tested the following cleaning detergents with relevant disinfectants:
[1] Alconox Tergazyme (diluted at 1%) using hot water (approximately 60°C or 140°F) or warm water (approximately 50°C or 122°F)
[2] (SlimLine, Standard only) Aniosyme DDI (diluted at 0.5%) using room temperature water (approximately 20°C or 68°F)
[3] (SlimLine, Standard only) neodisher MediZym (diluted at 2.0%) using warm water (approximately 45°C or 113°F)

Validated disinfection procedures

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

	Procedures
Disassembly	Disconnect the air tubing from your S9 device and mask system.
Cleaning	1. Clean the air tubing with a soft bristle brush for one minute while soaking it in the detergent[4] solution. Pay particular attention to all crevices and cavities. 2. Run the detergent solution repeatedly through the air tubing until no contamination is visible. 3. Thoroughly rinse the air tubing according to the manufacturer's instructions.
Disinfection and drying	**High level thermal** 1. Immerse the air tubing in a water bath. Take care that no air bubbles are trapped inside the air tubing. 2. Increase the water bath temperature to 75°C (167°F) for 30 minutes. 3. Air dry out of direct sunlight. **High level chemical** 1. Soak the air tubing in a commercially available solution of a chemical sterilant. Take care that no air bubbles are trapped inside the air tubing. 2. Thoroughly rinse[5] each component according to the manufacturer's instructions. 3. Air dry out of direct sunlight.
Inspection	Perform a visual inspection of the air tubing. If any visible deterioration is apparent (cracking, tears etc), the air tubing should be discarded and replaced. Slight discolouration may occur and is acceptable.
Reassembly	Reconnect the air tubing to your S9 device and assembled mask system.
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).

[4] 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)
- (SlimLine, Standard only) Aniosyme DDI (diluted at 0.5%) using room temperature water (approximately 20°C or 68°F)
- (SlimLine, Standard only) neodisher MediZym (diluted at 2.0%) using warm water (approximately 45°C or 113°F)

[5] Rinsing: Thoroughly rinse the air tubing 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.

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.

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