



Water Leak Check List – AirSense™ 10, Lumis™ & AirCurve™ 10

Below is a checklist for troubleshooting water leaks, and determining the kind of leak and actions required.

Before sending a device for service, the humidification chamber/water tub, and the seals need to all be checked and assessed.

Common causes of water leaks include the humidifier tub or seals being damaged, and/or not maintaining or cleaning the device as recommended. For example, harsh cleaners and chemicals such as bleach or essential oils and their fumes can damage silicone seals, plastic parts and the internal componentry of the device such as the motor and electronic printed circuit boards. Oils can also attract more dust and dirt. It is therefore important to ensure the ResMed device and accessories are cleaned and maintained as recommended.

Step 1 – Check Humidifier Tub	Yes No	
How old is the humidifier tub? Has it been cleaned and maintained as recommended with mild dishwashing detergent?	<input type="checkbox"/>	<input type="checkbox"/>
Is the tub in good working order? Are there any visible signs of water marks, dirt, dust, lime scales, erosion, oil, mould, clouding of plastic, cracking, holes, scratches or that the tub may have been dropped or knocked?	<input type="checkbox"/>	<input type="checkbox"/>
Have any harsh non recommended products been used on the tub e.g. bleach, essential oils, antibacterial agents, disinfectants, anti-mould agents, kitchen and bathroom cleaners or pot scourers etc.?	<input type="checkbox"/>	<input type="checkbox"/>
Has high quality drinking water been used to fill the humidifier tub for therapy as recommended?	<input type="checkbox"/>	<input type="checkbox"/>
If the tub has had lime scales, has this been cleaned with a white vinegar and water dilution (1:10) or CLR remover as recommended?	<input type="checkbox"/>	<input type="checkbox"/>
Is the humidifier tub being over filled?	<input type="checkbox"/>	<input type="checkbox"/>
Is the device being used on a flat surface?	<input type="checkbox"/>	<input type="checkbox"/>



Quick test. Remove the humidifier tub and dry it well. Fill the tub with high quality drinking water to the water line only. Place the humidifier tub on paper towel and wait 5-10 minutes. Check the paper towel and the humidifier tub for any signs of water leaking.	
Second quick test. If the humidifier tub is substituted with another, does the leak still occur?	<input type="checkbox"/> <input type="checkbox"/>
If the tub has found to be leaking, has the leak affected the device wear plates?	<input type="checkbox"/> <input type="checkbox"/>
Even if a leak is found with the humidifier tub, the following seals check should still be completed to eliminate the possibility that there are two leak sources.	

Step 2 - Check Seals	Yes No
Visual check of air inlet and outlet seals. Do the seals appear to be in good working order? Are there any visible signs of cracking, perishing, splitting, stretching or dirt visible?	<input type="checkbox"/> <input type="checkbox"/>
Is the patient gently inserting the humidifier tub into the device to avoid damaging the seal?	<input type="checkbox"/> <input type="checkbox"/>
Note: All devices with a damaged seal should be forwarded for servicing so the seal can be replaced, and the device checked for water damage.	

If no leak issue is found with the humidifier tub or device seals, the tubing, mask and room temperature and humidity should be checked.