



Air10™ Series HumidAir™ Tub Discoloration

We have received reports of discoloration or staining appearing on the metal surface inside of the HumidAir heated humidifier tubs used with Air10™ devices. As a medical device manufacturer, ResMed values all feedback on the performance of our products and services. This feedback is critical to ensuring patient safety and product quality with our systems.

To help address patient inquiries about the HumidAir tub discoloration reference the FAQs listed below.

HumidAir Tub Discoloration Examples



FAQs

Does the discoloration present any risks to patient safety?

The discoloration presents no risk to the patient or their therapy. Additionally, the discoloration does not impact the functionality or useful life of the tub as our extensive investigation confirms the humidifier heating plate and circuitry of the device are working to design specifications.

What causes the discoloration?

The manufacturing process used to create the polished finish of the metal surface inside the tub results in slight variations of flatness that make some units more prone to discoloration when combined with the following factors:

- Higher temperature increases across the base of the tub due to the use of higher humidification levels or Climate Control Auto in environments with cooler ambient temperatures.
- Distilled water (contains fewer impurities, resulting in a higher likelihood of discoloration due to the interaction between the metal surface inside the tub and the water).

Are there recommended cleaning instructions to remove the discoloration?

To remove the discoloration from the metal surface inside the tub:

1. First wipe the discoloration with a cloth dampened with water.
2. Then wipe the discoloration using a cloth dampened with either lemon juice or a solution of one part household citric acid cleaner to 12 parts water.



If the discoloration is not immediately removed:

3. Cover the metal surface inside the tub with the citric acid solution. Allow it to soak for 3 to 4 hours and then empty the citric acid solution from the tub. Wipe the discoloration using a cloth dampened with the citric acid solution.

If the discoloration still persists:

4. Rub the stains with a cloth dipped in a paste made from lemon juice or the citric acid solution, and Cream of Tartar. The consistency of this paste should be similar to that of thick toothpaste.
5. Once the stains have been removed wash the tub using a mild detergent solution, rinsing thoroughly in water and then allowing it to dry out of direct sunlight and away from sources of heat.