

## ReliOn PDC51V1

# ReliOn DC-51 Humidifier Demineralization Cartridge Instruction Manual

## INTRODUCTION

The ReliOn DC-51 Demineralization Cartridge (Model PDC51V1) is designed to reduce mineral content in the water used by ultrasonic humidifiers. Tap water, especially in hard water areas, often contains high levels of minerals. When this water is used in an ultrasonic humidifier, these minerals can be released into the air as 'white dust' and settle on surfaces.

This cartridge helps to capture these minerals before they are dispersed, contributing to cleaner air and surfaces around your humidifier. This manual provides instructions for the proper installation, use, and replacement of your demineralization cartridge.

## PRODUCT OVERVIEW



Image: The ReliOn DC-51 Demineralization Cartridge, a compact blue unit with filter elements visible on one side.

The cartridge is a small, blue, rectangular unit containing filtering material. It is designed to be placed directly into the humidifier's water reservoir.



Image: A hand holding the ReliOn DC-51 Demineralization Cartridge, illustrating its compact size (approximately 2.9 inches or 7 cm in length).

## INSTALLATION INSTRUCTIONS

Follow these steps to install the demineralization cartridge in your humidifier:

1. **Prepare Humidifier:** Remove the water tank from your humidifier and empty all existing water from the reservoir.
2. **Mark Installation Date:** Using a permanent marker, write the current date of installation on the top surface of the new demineralization cartridge. This helps track replacement intervals.
3. **Insert Cartridge:** Carefully insert the demineralization cartridge into the humidifier's water reservoir. Ensure it is seated properly according to your humidifier's design.
4. **Prime Cartridge:** Replace the water tank and wait approximately 15 minutes. This allows water to fully pass through the cartridge's filter material before restarting the humidifier.

## Directions:

1. Remove tank and empty all water from the reservoir
2. Using a permanent marker, write date of installation on top of the cartridge
3. Insert cartridge into humidifier reservoir
4. Replace water tank and **wait 15 minutes** for water to pass through the filter before restarting the humidifier



Image: A diagram showing a hand inserting the blue demineralization cartridge into the base of a white humidifier reservoir.

### REPLACEMENT AND CARE

For optimal performance and to effectively prevent white dust, the demineralization cartridge requires regular replacement.

- **Replacement Frequency:** Replace the cartridge every 2 to 4 weeks, or after 15-30 humidifier fillings

under normal use. The exact frequency may vary depending on the hardness of your tap water.

- **Signs of Replacement:** If you notice an increase in white dust despite using the cartridge, it is an indication that the cartridge needs to be replaced.
- **Storage:** Store unused cartridges in a cool, dry place away from direct sunlight.



Image: The back of the cartridge packaging, displaying instructions to replace every 2 to 4 weeks and a space to write the installation date.

## TROUBLESHOOTING: WHITE DUST

The primary function of this demineralization cartridge is to mitigate the issue of 'white dust' produced by ultrasonic humidifiers, particularly in areas with hard water.

- **Persistent White Dust:** If white dust continues to appear after installing a new cartridge, ensure the cartridge is correctly seated in the reservoir and has been adequately primed (waiting 15 minutes after filling).
- **Cartridge Lifespan:** White dust reappearing is the main indicator that the cartridge has reached the end of its effective life and requires replacement. Water hardness significantly impacts cartridge lifespan.
- **Humidifier Cleaning:** Regular cleaning of your humidifier, as per its own instruction manual, is also crucial for overall performance and hygiene, complementing the cartridge's function.



## Why use a Protec Demineralization Cartridge?

The tap water you use in your ultrasonic humidifier may have a high mineral content, especially if you live in hard water areas. The minerals in the water can exit the humidifier in the form of "white dust". Using the Protec Demineralization Cartridge may help capture the minerals before they are released into the air and settle on surfaces.

**For best results**, replace as necessary (every 2-4 weeks, or 15-30 fillings under normal use) or when the humidifier has not been run for an extended period of time.

## For Use in these Ultrasonic Humidifiers:

BRAND	MODEL
Vicks®	V4600 Series
	V5100 Series
	VUL575 Series
Sunbeam®	696

Image: A section of the product packaging explaining that the cartridge captures minerals to prevent 'white dust' and lists compatible humidifier models.

### SPECIFICATIONS





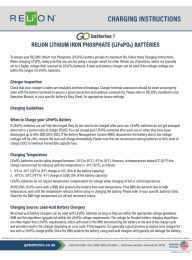
Model Number	PDC51V1 (also known as DC-51)
Manufacturer	Honeywell/Kaz Home Environment

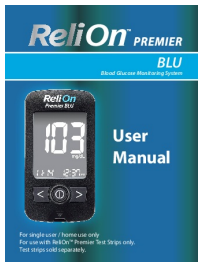
<b>Product Dimensions</b>	10.49 x 4.45 x 7.47 cm (4.13 x 1.75 x 2.94 inches)
<b>Item Weight</b>	58.97 g (0.13 pounds)
<b>Compatible Humidifiers</b>	Vicks V4600 Series, V5100 Series, VUL575 Series; Sunbeam 696

## WARRANTY AND SUPPORT

For specific warranty information regarding your ReliOn DC-51 Demineralization Cartridge, please refer to the documentation provided with your humidifier or visit the manufacturer's official website. General product support and additional information may be available at [www.kaz.com/protec](http://www.kaz.com/protec).

## Related Documents - PDC51V1

	<p><a href="#">ReliOn Premier Blood Glucose Test Strips - User Information</a></p> <p>Comprehensive guide to ReliOn Premier Blood Glucose Test Strips, covering intended use, test principles, storage, handling, test procedures, performance characteristics, accuracy, precision, and troubleshooting for ReliOn Premier meters.</p>
	<p><a href="#">ReliOn Premier BLU Blood Glucose Monitoring System: Quick Start Guide</a></p> <p>A concise guide to using the ReliOn Premier BLU Blood Glucose Monitoring System, covering setup, testing, and disposal. Learn how to monitor your blood glucose levels accurately and safely.</p>
	<p><a href="#">ReliOn™ Premier BLU Blood Glucose Monitoring System User Manual</a></p> <p>This user manual provides comprehensive instructions and safety information for the ReliOn™ Premier BLU Blood Glucose Monitoring System, detailing setup, testing procedures, maintenance, and troubleshooting for accurate blood glucose monitoring at home.</p>
	<p><a href="#">ReliOn Platinum Wireless Blood Glucose Monitoring System User Manual</a></p> <p>User's manual for the ReliOn Platinum Wireless Blood Glucose Monitoring System. Learn how to use, maintain, and troubleshoot your blood glucose meter for accurate results.</p>
	<p><a href="#">RELiON Lithium Iron Phosphate (LiFePO4) Battery Charging Instructions</a></p> <p>Comprehensive guide to charging RELiON Lithium Iron Phosphate (LiFePO4) batteries, covering charger inspection, charging guidelines, temperature considerations, charge profiles (1-stage and 2-stage), parallel and series system charging, and operational parameters for various system voltages.</p>



### [ReliOn™ Premier BLU Blood Glucose Monitoring System User Manual](#)

User manual for the ReliOn™ Premier BLU Blood Glucose Monitoring System. Learn about setup, testing, Bluetooth connectivity, safety, specifications, and troubleshooting for accurate home blood glucose monitoring.