

# water testing



WATERCARE

## for Calcium Treatment Units

### Understanding Ion Exchange

Ion exchange is the process of replacing one ion with another to improve water quality.

The filtration media in our Calcium Treatment Units specifically targets alkalinity (temporary hardness) in the water by removing calcium and magnesium ions, which are the primary contributors to temporary hardness.

### Testing for Water Hardness

To ensure optimal performance of your Calcium Treatment Unit, it's important to test the water hardness:

- 1. Pre-filter (untreated water):** Measure the alkalinity or carbonate hardness.
- 2. Post-filter (treated water):** Assess the reduced hardness after filtration.

For accurate testing, we recommend our Water Hardness Testing Kit (Part Code: **ALK-TEST-KIT-80**).



### Note on TDS Testing

Total Dissolved Solids (TDS) is not an accurate measurement for ion exchange filters.

- TDS readings can vary significantly depending on the levels of calcium, magnesium, and heavy metals in the water.
- It's important to understand that ion exchange is not a 1:1 exchange process.

