

What is corrosion and why we need an anode?

Water heaters are essential appliances that provide hot water for various activities. However, the constant use of water heaters leads to wear and tear, which can cause damage to the tank and reduce its lifespan. One of the most critical components in a water heater is the anode rod.

Steel corrodes in the presence of oxygen and water. All three of these things are plentiful in a water heater tank. Although the steel is coated in enamel, water can still get into cracks and eat away at the tank causing the water heater to “rust” or start leaking



An **anode** is placed in a water heater to prevent the steel inner tank from corrosion **because it corrodes faster than the tank**



DID YOU KNOW?



LIFE SPAN

Depending on your water quality, the anode in your water heater can last anything from 6 months to well over 3 years



ANODE TYPES

An anode can be made from magnesium or aluminium.

Most water heaters are fitted with a Mg anode in South Africa.

Al anodes should only be used in hard water conditions or where the water quality is poor



REPLACEMENT

“Spitting air” or “cloudy water” are signs that your anode MIGHT not be suitable for the water conditions. Get a plumber to inspect your water heater if you experience these symptoms



WARRANTY

Anodes are made to be consumed, and therefore DO NOT carry a warranty, much like oil in a car



We recommend that you get a plumber to service your water heater every 2 years if your water quality is good, or once a year if it is not.

If your anode gets consumed within a year, then we recommend you replace it with an Aluminium anode.



MAINTENANCE