



Easy Spa Parts

We know what you need.

# Titanium

## Why Titanium?

Poor water chemistry can destroy a heater element, especially when combined with abuse or neglect.

## Corrosion

As water becomes acidic (low in pH) or overly chlorinated, corrosion is accelerated and your heater element will fail. Corrosion is the etching and rusting that occurs with ferrous metals.

*Titanium contains no iron, & cannot rust or corrode.*

Given the worst water conditions, titanium can resist pitting, oxidizing, and surface breakdown up to 5 times better than typical nickel alloy elements. Titanium is not magnetic, and will not attract materials that can attach and promote deterioration. Additionally titanium has a low thermal expansion rate, reducing the stress that can cause structural fatigue and fracture.

## Scale

Calcium and lime can naturally collect on the element's surface, forming a white "scale" coating. The resulting insulating layer will slow heat transfer, reduce efficiency, extend run periods, and increase internal temperature. This excess buildup will not let heat escape efficiently, and in time the element will fail.

*Titanium doesn't allow scale to collect on the surface.*

Titanium naturally produces a dioxide film that continually migrates to the surface, and detaches harmful content. Additionally, titanium's surface pores do not open when heated, and will not allow harmful chemicals or particles to collect. This "self scaling" miracle can be verified in your own dishwasher. As heavily concentrated detergents are added weekly, your element remains nearly scale free for years. All commercial & most residential dishwashers are equipped with titanium elements for this reason.

*Titanium provides the best defense against rust and corrosion.  
Easy Spa Parts provides a 2-Year "No-Questions Asked" Warranty  
on all heaters with titanium elements*

Questions? Call toll free: 866-418-1840 • [www.easyspaparts.com](http://www.easyspaparts.com)