

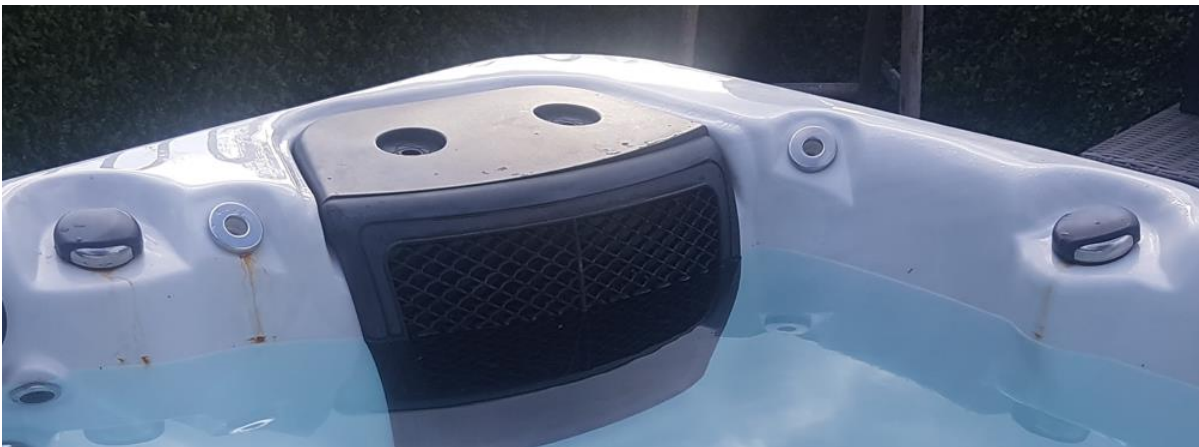
## EXAMPLES OF CHEMICAL DAMAGE IN SPA POOLS

Typical causes:

- Over chlorination
- Insufficient degassing of pool after chemicals are added
- Lack of water balance – too acidic

Signs of Chemical Damage include

- Rusting of stainless-steel fittings
  - Marine Grade 316\* stainless steel is used in the manufacture of the spa pools but this is not resistant to the corrosive nature of chlorine
- Bleached-greying of plastic fittings such as filter bay and fitting handles
- Degradation of headrests including shrivelling of headrest surface and premature greying of the rubber compound used for manufacture



\* SAE 316 stainless steel is a molybdenum-alloyed steel and the second most common stainless steel (after grade 304). It is the preferred steel for use in marine environments because of its greater resistance to pitting corrosion than most other grades of steel without molybdenum.

Although it is designed for use in this environment it can still get damaged or pitted due to poor water chemistry – ie. high pH which will erode the compound causing rusting