



## **Ni Resist Raptor Pumps**

**"Innovative Pump Solutions Increasing Operational Reliability"**

### **Overview**

PumpEng have developed a Raptor in special material for low pH, acids and hyper saline water. Ni Resist is part of the Cast Iron family, it is an austenitic cast iron with nickel content of between 24 to 30%. The Ni Resist material is ideal for areas of high salinity and sulfuric acids, where its corrosion resistance, coupled with excellent wear resistance, makes it ideal for copper mines and areas where low pH is an issue. Common austenitic stainless steels retain similar corrosion capabilities, however are a softer metal susceptible to quicker wear, plus higher base material costs.

### **Applications**

Decants:- Ni-Resist Raptors can be used for in tails dam decants where the process water can contain higher than normal acid content, especially after process.

Tails Dam Pontoons:- as above, where process water can contain higher than normal acid content.

Copper Mines:- where copper sulphide, coupled with water, can form a highly acidic medium with very low pH levels that can corrode standard aluminium pumps aggressively.

### **Logistics**

These pumps are non standard, so longer than standard lead times can occur. However, where your standard aluminium pumps can corrode in a matter of days, the Ni Resist Raptor could be the solution to your operational reliability. Please note, as this material is primarily cast iron, weight differences need to be factored. At this point in time PumpEng have only manufactured 8kW Raptors in Ni-Resist.

### **Design**

All pumps and spare parts are still 100% interchangeable with Raptor parts, and other standard pumps in the market based on older style units. Everything is exactly the same except base material, so no alterations are required to fit to existing units.



# RAPTOR



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The only discernable difference, besides the weight, is the colour of Ni-Resist opposed to aluminium.

If you are interested in learning more about this offer please call us today on **08 9256 3192**, and speak with one of our friendly staff who will be pleased to assist you further.

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