



## AIS Anode



# AIS Anode

Australian Innovative Systems is an Australian manufacturing company with over thirty years experience and globally renowned for the technological advances in the salt-water sanitation industry. Under the Autochlor™ brand, AIS offers the full range of pool water treatment systems to suit any size spa, pool, lagoon and water park. AIS has also developed seawater treatment systems for power plant cooling stations, chlorine generators under the Chlorogen™ brand and activated anode material (the AIS Anode). Our products have stylish design though more importantly are robust, reliable, energy efficient whilst enabling water savings.

Until recently the activated anode material was imported for producing the electrolytic cells. As a direct result of our R&D focus, we now produce a higher quality anode locally with the longest life span on the market



AIS Anode is made of Titanium of Grade 1. Standard sheet thickness is 0.8mm or 1.0 mm; size is 1000x610mm or custom cut to suit requirements. Each lot is tested for quality and each sheet is assigned with its own unique serial number

## Advantages / features of AIS Anode:

- ✔ Low resistance and low activation voltage resulting in high energy efficiency
- ✔ Resistant to short term voltage/ampere stress
- ✔ Suitable for polar, bi-polar and semi-bi-polar cell assemblies
- ✔ Efficient in production of chlorine with minimal production of by-products such as Hydrogen and Oxygen
- ✔ Specifically researched and developed for the reverse polarity chlorine generator's market
- ✔ Suitable for operation with wide salinity range up to 350,000ppm (fully saturated brine)
- ✔ Operates within the temperature range from +1 to +40 degrees Celsius
- ✔ Quality control tested for market release
- ✔ Guaranteed long life

# AIS Anode

AIS Anode Type	Maximum DC Voltage between nearest Anode & Cathode	Current density (Amp/m <sup>2</sup> )	Non-Reverse Polarity			Reverse Polarity		
			Hours of Service	Years of Service		Hours of Service	Years of Service	
				8 hours per day load	24 hours per day load		8 hours per day load	24 hours per day load
SE	7.5	525	15,000	5	1.7	7,500	2.5	1
RE	7.5	525	30,000	10	3.5	15,000	5	1.7
HD	7.5	350	45,000	15	5	22,500	7.5	2.5
REHD	7.5	350	90,000	30	10	45,000	15	5

= usual application



- |   |  |
|---|--|
| 1 AIS Anode, SE, Reverse Polarity Application                   | 6 Overseas Supplier #1, Residential Reverse Polarity Application |
| 2 AIS Anode, RE, Reverse Polarity Application                   | 7 Overseas Supplier #2, Reverse Polarity Application             |
| 3 AIS Anode, HD, Reverse Polarity Application                   | 8 Overseas Supplier #3, Reverse Polarity Application             |
| 4 AIS Anode, REHD, Reverse Polarity Application                 | 9 Overseas Supplier #3, Reverse Polarity Application             |
| 5 Overseas Supplier #1, Commercial Reverse Polarity Application | 10 Overseas Supplier #4, Reverse Polarity Application            |





[www.aiswater.com.au](http://www.aiswater.com.au)  
[info@aiswater.com.au](mailto:info@aiswater.com.au)



51 Millennium Place, Tingalpa Queensland 4173 Australia • Telephone: +61 7 3396 5222 • Facsimile: +61 7 3393 3441