

# AQUAREG AnOx

## RECOVERY OF BATHS FOR ANODIC OXIDATION OF ALUMINIUM IN SULPHURIC ACID SOLUTIONS

Equipment for removing of aluminium and maintaining its concentration within an optimum range in baths for the anodic oxidation of aluminium in sulphuric acid solutions.

Maintaining the optimum aluminium concentration ensures that there is no voltage rise at constant current density, which results in increased power consumption for the rectifiers operation and increased costs for cooling the bath as a result of increased heating of the bath.



### AQUAREG AnOx

- > operation in the bypass to the anodizing tank without interrupting the anodizing tank operation
- > automatic control with minimal operator requirements
- > touch panel control
- > equipped with a water saving system – approx. 1/3 less DI-water consumption and waste water production compared to conventional equipment

### Benefits of recovery

- > extending the life of the anodizing bath
- > maintaining the aluminium concentration within an optimum range to guarantee stable working conditions and consistent surface quality of anodised parts
- > lower power consumption
- > lower costs for bath cooling
- > lower consumption of sulphuric acid
- > reduction of line shutdown
- > reduced maintenance costs associated with bath replacement
- > savings in waste bath disposal costs
- > lower sulphate content in waste water

### Product line

Type	Output approx [g Al / h] *		DI-water consumption [l/h]	Waste water volume [l/h]
	at 10 g Al / litre	at 15 g Al / litre		
AQUAREG AnOx 75	580	870	90	90
AQUAREG AnOx 125	1120	1680	150	150
AQUAREG AnOx 225	2020	3030	265	265
AQUAREG AnOx 400	3600	5400	470	470
AQUAREG AnOx 650	5850	8770	760	760
AQUAREG AnOx 925	8320	12480	1080	1080

\* at a H<sub>2</sub>SO<sub>4</sub> concentration of 200 g/l and a temperature of 20°C

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