



ACID RECOVERY SYSTEMS MODEL ECOARS

DESIGNED TO PURIFY ANODIC OXIDATION BATHS

Applications

Anodic oxidation
Acid solution



OPERATING PRINCIPLE

The **ECOARS** equipment is specifically designed by Ecoteam to separate the acid from its salt, through a chromatographic separation process.

In the anodic oxidation processes of the Aluminium allows to eliminate the Aluminium from the baths with Sulphuric acid.

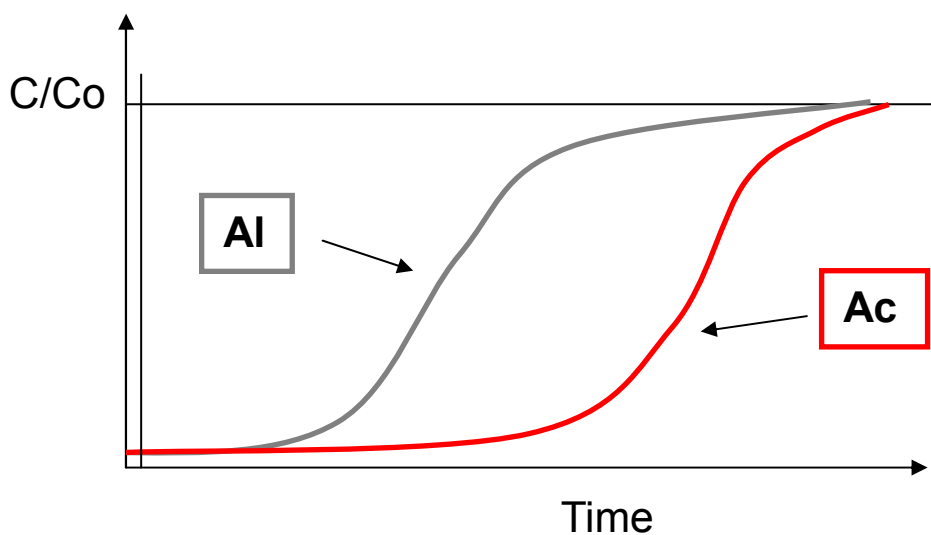
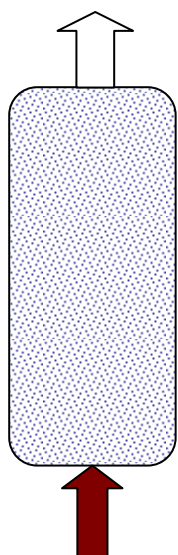
ADVANTAGES

The use of an **ECOARS** system in the Anodic Oxidation processes allows to:






- Keep the Aluminium at a constant concentration
- Eliminate production stops due to the emptying of the Oxidation baths
- Increase the production processes particularly the electro-colour
- Reduce the consumption of electric energy
- Reduce the heat production
- Reduce the Sulphuric acid consumption
- Reduce pollution problems
- Reduce the sludge production



ECOARS	180	300	450
Aluminium remove [g/hr Al]	1.500	3.000	4.500
Discharge volume [l/cycle]	300	500	800
Electrical power [kWatt]	0,5	0,5	0,5
Tension [V]	220	220	220
Water pressure [bar]	3	3	3



Options

-  Control cycle system
-  Operator panel with touch screen
-  Stain steel structure
-  Internet connection
-  Ethernet connection