

ELECTRODIALYSIS PILOT TESTING BENCH

FABRICANT : Esperanto Environnement

MODÈLE : Customized

Characteristics

- Pilot electrolysis and electro dialysis system with three 100-L tanks
- Daily treatment capacity: 100 L depending on the type of samples to be treated
- Automated control system (pH, conductivity, temperature, flow rate)
- Ion-exchange and bipolar membranes (membrane electrolysis and electro dialysis)
- Maximum pump capacity: 3470 rpm (½ horsepower)
- 15,000-watt rectifier

Samples

- Brine
- Hydrolysates
- Leachates
- Organic acid extracts

Examples of applications

- Desacidification of cellulose hydrolysates
- Demineralisation of leachates or food products
- Basic production from salts
- Recovery of metals from contaminated wash water
- Regeneration of mineral acids
- Separation and concentration of metallic nanoparticles