



**Optimized Technologies for
Treatment of Industrial
Process Solutions**



Product Catalog



Made in Germany

www.spiraltecgbh.com

● Diffusion Dialysis System for Acid and Base Recovery



● System Advantages

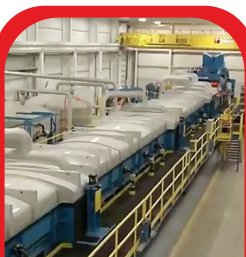
> 90%
Recovery Rate

Compact Designed
Modules

Environmental
Friendly

Low Energy
Demand

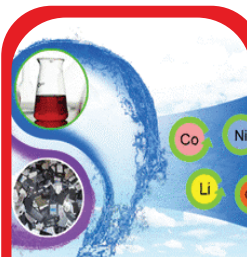
● Applications



Steel Pickling



Metal Processing
(Copper)



Hydrometallurgy



Aluminum
Anodizing



Petrochemical
Industries

● Spiral-Electrocoagulation System (S-EC) for Industrial Wastewater Treatment



● Advantages

Higher Treatment
Efficiency

Lower Energy
Demand

Low Space
Needed

Automated
System

● Applications



Slaughterhouses



Metal
Industry



Food
Industry



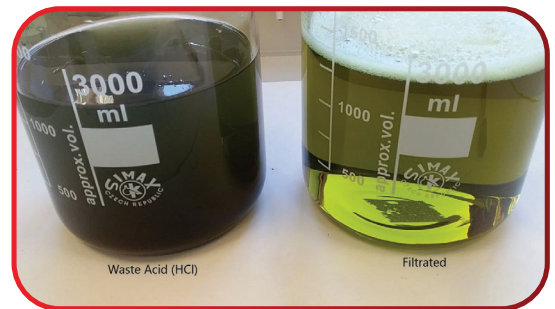
Textile
Industry



Oil and
Petrochemical
refinery

Prefiltration System for Corrosive Solutions MF – UF - NF

In the context of chemical recovery, prefiltration is employed to ensure the longevity and efficiency of the recovery process. Industrial processes often produce complex mixtures of chemicals, some of which are valuable and need to be recovered. In this case, the recovery of H_2SO_4 from Anodizing industry or HCl from steel pickling can be mentioned as example. Prefiltration of acids in separating larger impurities from these mixtures, preparing them for further precise separation techniques. This step can reduce the burden on downstream processes (e.g Diffusion dialysis), prevent potential damage to sensitive equipment, and increase the overall efficiency and effectiveness of the recovery operation.



• Contaminants

Suspended Solids

Colloidal Matters

Large Organic Molecules

Small Organic Molecules

Microfiltration

Ultrafiltration

Nanofiltration

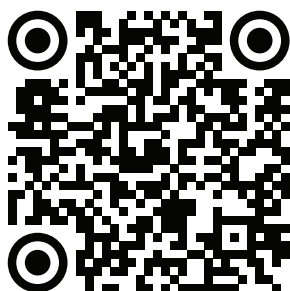
• Applications



Chemical Industries



Industries in Surface Technologies



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