Treatment and filtration solutions for electroless Nickel plating

Electroless nickel plating is a chemical process for depositing nickel alloyed with phosphorus or boron, obtained without any external power source.

It enables complex parts with variable geometry to be produced on all metal substrates. Unlike electrolytic processes, electroless nickel plating produces a uniform layer without any peak effect.

VENTURI AGITATION

Airless bath agitation

PP eductors below 80°C, Stainless Steel 316L or PVDF to resist high temperatures (> 80°C)

L FILTER + OILTECH

Oil filtration

The wide exchange area of microfibers allows to collect fat particles easily and in quantity.

L FILTRE (PP) + L-TECH

Fine particles filtration

High capacity filtration cartridge 10 µm.

L FILTRE (PVDF) + L-TECH

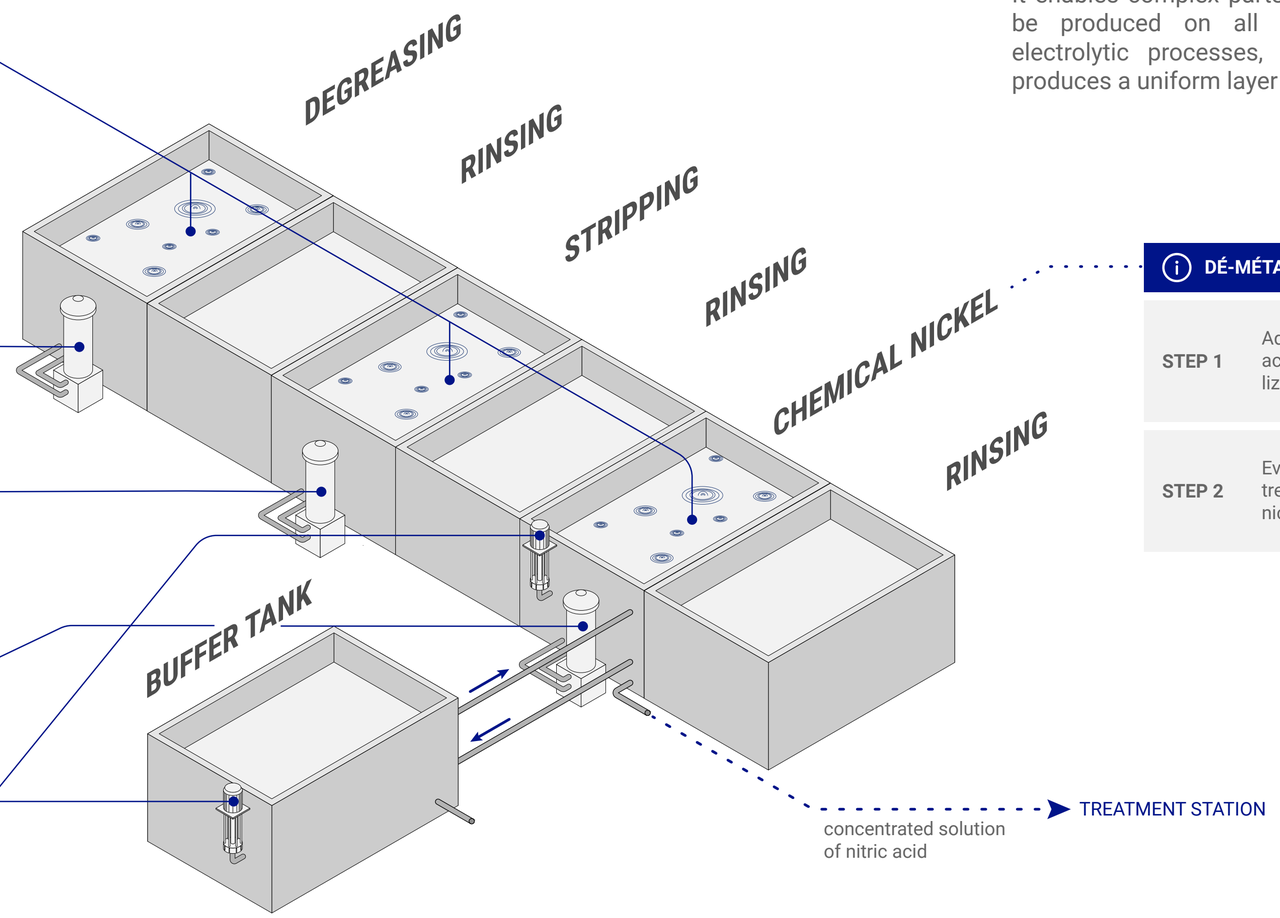
Fine particle filtration

High capacity 1 µm filtration cartridge.
[PVDF to resist high temperatures]

VERTICAL PUMP

Outboard pump

Only this vertical pump design can sustain the metallization process without deterioration. PVDF or Stainless Steel 316L with FPM seals (T~92 °C).



Chemical nickel storage buffer tank used to store the bath during de-metallization of the process tank.

DÉ-MÉTALLIZATION PROCESS

STEP 1	Addition and circulation of nitric acid for several hours to de-metallize the deposit formed.
STEP 2	Evacuation of the acid to the treatment plant and transfer of the nickel to the process tank.

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