

APPLICATION SHEET: Chemical Nickel Plating

Application:

Nickel has the quality of being corrosive resistant to air, under normal conditions, and provides a nice surface area. It is therefore used surface treatment baths in order to **galvanize/nickel-plate** parts.

We can galvanise **iron, cooper, brass** or even **plastic** parts.

Chemical nickel plating uses:

- Electronic: printed circuit boards, etc.
- Mechanical: fastenings, gears, etc.
- Aerospace: mirrors, gyroscopes, etc.

Specifications required for the pump:

- Install a vertical pump in a 2 m³ container
- Flow rate of 6 m³/h for a total head of 7 meters
- Pump in 316 L stainless steel



The POMPES GROSCLAUDE solution:



Analyzing the solution

- Offering a pump without mechanical seal to limit friction face metallizing.
- Impossible to install the pump at the bottom of the tank.
- Choose a pump with easy maintenance.

Technical description

- Pump model: **R0315X-160-1.1-4I**
- Stainless steel vertical pump
Length under the mounting plane can be adapted to the height of the tank.
- Pump without mechanical seal.
- Speed: 1450 rpm

Main advantages

- Vertical pump that is directly installed on the tank
- Simple and robust construction
- Several hydraulics available depending on applications.
- Reduced lead time

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