

flow monitors and
flow meters

Description of the process of

Chemical Nickel Plating on the Eletta Flow Monitors

Chemical Nickel Plating is a surface treatment process, which means that you chemically precipitates a Nickel layer on the different brass wetted parts in our –GL series Flow Monitors. Since the treatment is done without any electrical power, the Nickel layer is evenly distributed on all areas. The thickness of the layer is independent of the design of the brass part meaning that even threads and cavities will have the same layer as larger flat areas. This method will also create a very hard surface (up to 1100HV after heat treatment) and creates of course an excellent protection against corrosion. The Nickel consist of 90% Nickel and 10% Phosphorus and the thickness is 25 micron.

Chemically precipitation of a Nickel layer can cause an allergic reaction with people who are sensitive/allergic to Nickel and those people should avoid long contact with the product.

In comparison with other surface treatment such as chromic methods, the Chemical Nickel Plating is far better from an environmental point of view.

The areas of usage are mainly, but not limited to, when using our Flow Monitors for measuring de-min water as an alternative to the more expensive Stainless Steel versions.



Eletta products monitor everything from simple cooling circuits in induction heating machinery to the gas flow of carbon dioxide in manufacturing processes. The company's proven orifice plate technology is highly effective and well recognized.

Applications

Monitoring flows in cooling circuits
Monitoring flows in lubricating circuits
Antifreeze protection of heat pump systems
Dry out protection
Starting and stopping of pump motors
Gas applications as well as liquids
Transformers
Turbines
Industrial furnaces
Industrial robots
Welding machines
Pulp refiners
Mining equipment
Emergency showers
Measuring nitrogen

Industries

OEM-customers
Machine builders
Research institutions
Particle accelerators & cyclotrons
Power plants, hydrogen, nuclear and thermal
Paper mills
Steel mills
Mining
Automotive

Features

Robust, simple and durable
Not affected by static pressure
Insensitive to magnetic fields
No moving parts
Interchangeable control units to fit all pipe sections
Quick response times
Position independent and compact
Simple primary element – low spare parts cost
For gases and liquids
Connections DN15 - DN400
10 - 100 bar
Steam applications
4 - 20 mA
Digital Display
130 mm Dial

ELETTA

— FLOW MONITORS —