

# **TRU-FLO E.N.P. Actuators**

## **Actuators for Severe Environments and Applications**

Featuring an autocatalytic nickel infusion, Tru-Flo E.N.P. actuators are designed to provide the best corrosion resistance possible. Available in all Tru-Flo sizes through UT-66, this highly competitive stainless steel alternative is an ideal choice for your tough environments.



Autocatalytic Nickel Infusion (E.N.P.) is the latest technological advance in electroless nickel deposition. It is a specially developed process used for severe environment protection of the Tru-Flo actuator. The Tru-Flo process of E.N.P. uses a higher concentration of phosphorous in the nickel bath than normal electroless nickel coating processes. The extra phosphorous results in a harder and more evenly infused nickel deposition over the entire surface. The finished Tru-Flo E.N.P. Actuator, therefore, has a superior corrosion protection and greater hardness. Tru-Flo delivers with the most advanced procedure available today.

### **Features & Benefits**

E. N . P. is an x-ray controlled high phosphorous electroless autocatalytic nickel infusion.

Benefits & Advantages: greater corrosion resistance and greater hardness infused deposition control.

E.N.P. vs Electroplating : E.N.P. Is an extremely uniform method. Electroplating, due to high and low areas of current density, results in heavy deposit build up in corners and minimal or no coverage in recesses.

High phosphorous concentration : 13% phosphorous - 87% nickel solution vs others using 10% phosphorous.

Nickel deposition : 20 microns is held uniformly over the entire surface.

Improved hardness : hardness from 53 to 58 RC.

Corrosion resistance : process of choice for optimum corrosion and salt spray resistance.

### ***Tru-Flo Valves & Automation***

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