Green Drive ISO IP69K

NILAB's **Green Drive ISO 15552** linear motors with **G.H.A. coating** are a complete solution for the pharmaceutical and medical industry, and for all kinds of automatic machines in general.

The **Green Drive ISO** series with **G.H.A. coating** is particularly suitable for replacing pneumatic actuators. The motors are available in 6 sizes with two flange dimensions: from 45×45 mm to 70×70 mm. Windings are available for both high voltage (230/480 VAC) and low voltage (24/48 VDC).

The G.H.A.®-coating is one of the most recent and innovative technologies applicable to the surface of all aluminium-base alloys. The surface is treated by a special anodic oxidation, with a thickness ranging from 10 to 200 µm, followed by the sealing of the micro-porosities through silver ions (Ag+). The anodic oxidation of aluminium-base alloys is the safest protection treatment, because it is unremovable. The G.H.A.® process (Golden Hard Anodizing) is patented (Patent No. EP1207220).

The advantages of the G.H.A. process are numerous:

Item
Highest corrosion resistance
High antibacterial capacity and anti-mould (antibacterial)
Antistatic capacity
Thermal conductivity
Heat resistance
Resistance to consumption
Melting temperature: 2100 °C
Hardness: 500–600 HV
Suitable for direct contact with food

Therefore, aluminium alloys with the G.H.A.®-coating are considered an excellent alternative to expensive metals such as stainless steel or titanium alloys.

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