IP69K ISO Version

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 kind of automatic machines in general.

The series **Green Drive ISO with G.H.A. coating** is particularly indicated for the replacement of pneumatic actuators. The motors are available in 6 different sizes with two different flange dimensions: from 45x45mm up to 70x70mm. The available windings are both for high voltage (230/480 VAC) and for 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 thickness ranging from 10 to 200µ, 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's unremovable. The G.H.A.® process (Golden Hard Anodizing) is patented (Patent No. EP1207220).

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

- 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.