



La Granja Insulators

Glass Insulators



**MADE OF GLASS
AND PASSION.**

More than 100 million insulators installed worldwide



LaGranjaInsulators (LGI) is a member of the VERESCENCE Group.

The VERESCENCE Group is present throughout the world with 9 factories (Brazil, France, Spain and United States) and over 3,000 employees. It is now the world leader in specialty glass products (Perfumery Bottles, Power Line Insulators, Spirits Bottles) with a turnover of **330 million euros**.





Present in the insulator market for over 85 years (previously under the names of ESA, Saint-Gobain La Granja, Vicasa and SGD), LGI has built up its reputation for reliability, professionalism and innovation.

Range

The range of suspension insulators produced at LaGranjaInsulators **complies with the main international and national standards:** IEC, ANSI, CSA, BS, NF, UTE, UNE, DIN, etc.

For each standard, there is a wide variety of mechanical resistances ranging from **40 kN up to 400 kN**, covering different possible types of power lines and substations.

Within each standard and for each mechanical loads, the suspension insulators are divided into four groups depending on the **shape of the glass piece**, which is adapted to **different environmental conditions**. The four groups are as follows:

Standard profile insulators	
<p>These are the most common and most frequently used insulators for lines in low pollution environments, where they perform well due to their small, well-spaced ribs and a creepage distance which exceeds the requirements of the IEC 60305 and ANSI C29.2 standards.</p>	
Anti-pollution or Anti-fog profile insulators	
<p>We offer two different shapes which are recommended for areas with medium to heavy pollution. Their longer creepage distance, which exceeds the requirements of the IEC 60305 standard, is achieved due to deeper ribs and reduces the effects of pollution without increasing the length of the string.</p>	
Open profile or Aerodynamic insulators	
<p>Due to their completely flat dielectric profile, this type of insulator is highly recommended for desert areas because the absence of ribs helps to reduce the accumulation of residues, particularly on the inner surface of the dielectric. At the same time, its shape permits regular and constant airflow which enables the wind to perform a self-cleaning process.</p> <p>These can also be used in areas of critical industrial or mixed pollution (desert and industrial pollution).</p>	
Spherical profile insulators	
<p>Similarly to the previous model, the absence of ribs on the glass part helps to reduce the accumulation of residues on the surface of the dielectric whilst promoting the cleaning action of the wind and rain. At the same time, its spherical shape makes it more resistant to vandalism.</p>	



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