

Electrode substrate for Ozone generation equipment (Ozonizer)

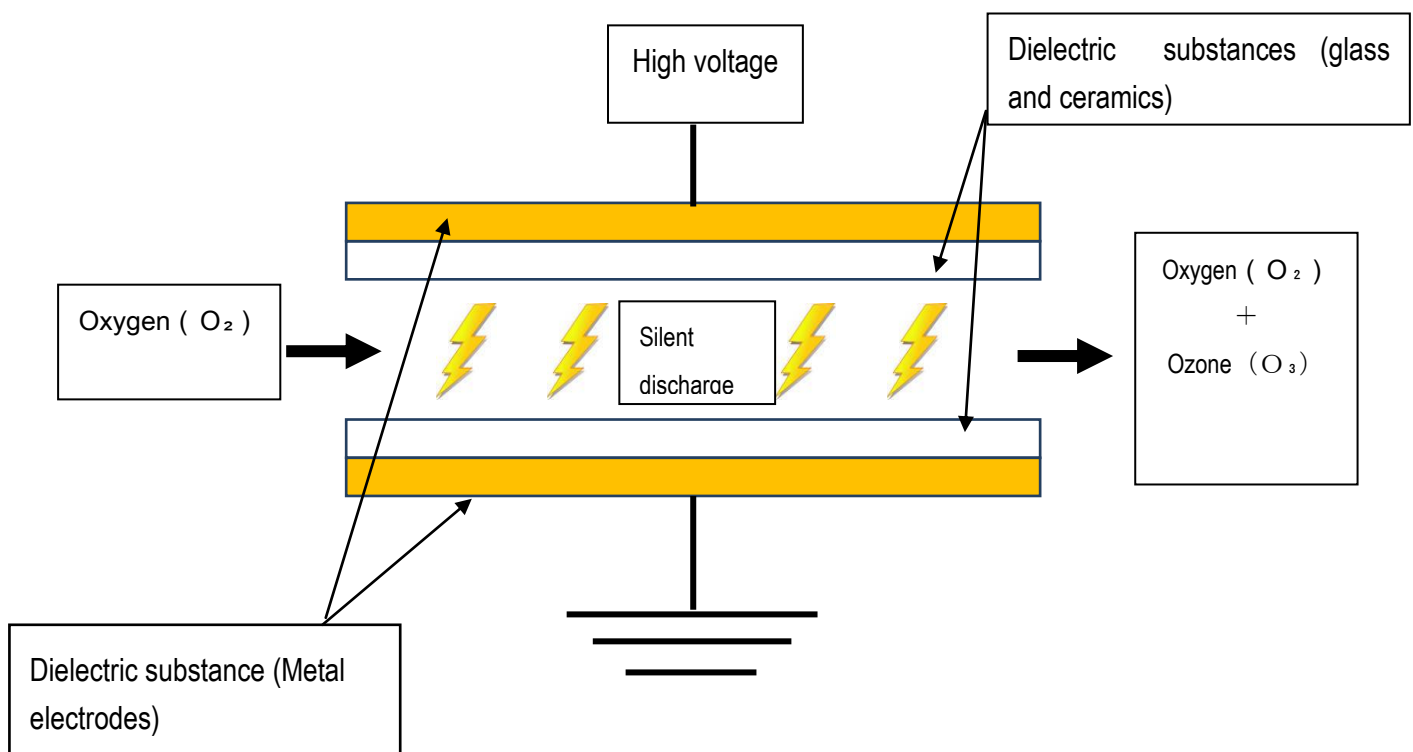
1. Area of Ozone usage

Ozone consists of three atoms of oxygen and is a gaseous body with a unique smell. Its effect is different from chlorine and is wide-ranging.

Ozone has effects of disinfection, deodorization, bleaching and oxidation. These attributes are evaluated effective for purification and are recognized eco-friendly for water treatment. It is therefore introduced into areas of water purification, sewage treatment and waste water treatment. In addition, oxidation and deodorization effects are attracting attention and new applications are being explored.

2. Ozone generation equipment (Ozonizer)

By applying AC voltage between the electrode substrates that contain dielectric substances - placed at a constant distance, silent discharge occurs. In this discharge space oxygen or air is introduced, and then Ozone is generated out of oxygen. Ozone generally exists only in the natural world but is artificially generated efficiently in the ozone generation equipment - that is Ozonizer.



We offer substrates for electrodes with formation of selected conductive film materials and dielectric films on ceramics and glass substrates by using thick film printing technology.

Substrate **【Dielectric substance】** : Ceramic, glass, metallic plate, etc.

Conductive film paste: Ag, Au, etc.

Dielectric film paste: Glass, ceramic, etc.

Film thickness : 0.2 μ m~100 μ m

Line width : Line / Space \geq 100 / 120 μ m

Processing size: Standard 300mm x 300mm (Larger size to be consulted.)