



Nvis 6020 Van De Graaff Generator is a standard apparatus for demonstrating the presence of static electricity. Overall, the concept of Van De Graaff Generator is very simple. A belt passes over two rollers, made of different materials (teflon and aluminum). Two metal combs are held near the belt surface and the lower roller is attached to the electronic motor. This device harnesses an effect called Electrostatic Induction in order to pump electrical charge. These electrical charges get accumulated on the surface of aluminum dome. As a result sparks are seen if the grounded aluminum sphere is brought near the dome, depicting the phenomenon of corona discharge.

Features

- Large spherical dome for generating High Voltage
- Motor-driven insulating Belt
- Easy to Operate
- Low Cost
- Online product tutorial

Scope of Learning

- Demonstration of presence of Static Electricity
- Demonstration of phenomenon of Corona Discharge

Technical Specifications

Pulley

Material	: Teflon, Aluminum
Diameter	: 25 mm

Spherical dome

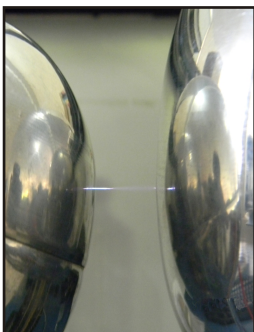
Material	: Aluminum
----------	------------

Belt

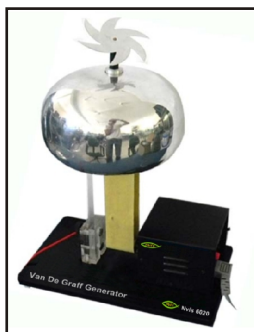
Material	: Rubber
----------	----------

Fuse	: 1A
------	------

Mains Supply	: 230V ±10%, 50Hz
--------------	-------------------



Sparkling Between Spheres



Rotating Electrostatic Whirl



Repelling Styrene Balls



Charge Repulsion on the Tips of Hair