

Van de Graff Generator



Van de Graff



Power Switch

Purpose: Generate a whopping voltage.

(Named after Robert Van de Graaff.)

Our Cenco Van de Graff generator comes equipped with a rounding sphere which you can pivot in close to make nice sparks.

Along with the generator, we have an insulated platform for performing the classic hair-raising demonstration. Additionally, there are a number of electrostatic toys included to play with.

Note:

A) If you use the off/speed control you will get a shock which assumes the students. For those of you who do not like getting shocked, I have made an extension cord with a plug and switch (photo). Use this to turn the machine on and off (leave the speed setting alone).

B) It turns out the small sphere is NOT grounded! You can ground it with an alligator clip lead to the grounding jack. This would be, e.g., the proper way to get someone off the machine after making their hair stand on end: Before they move or take their hands off the big sphere, turn off the machine and swing the grounded sphere over to discharge the big one. (Make sure at the start the volunteer's hands will not be in the way.)

Extra Equipment: The toys (Cart H)

Location: Cart H