



Serrata Vibrating Balls

Vibrating Balls

Cat No.1052222Y

This unit is assembled by placing the acrylic tube on the lower base plate and the cover plate is placed on top of the tube with the ball on the outside. It is usually not necessary to ground the base but the performance may be somewhat improved.

**DO NOT use the Balls with any power source other than the Van de Graaff generators.
Under no circumstances should it be connected to any AC or DC voltage except as described.**



SMOKE PRECIPITATION

Place a small piece (2 inch square) of conventional wire screening on the bottom plate. Roll the screen material so that it will stand on end. Fill the chamber with smoke and replace the top cover. Bring the ball near the dome of an operating Van de Graaff generator and the smoke will vanish by precipitation or attraction to the metal screening.

HAIL STORM

Place small bits of material such as pith balls, vermiculite, and light aluminum foil inside the cylinder. Replace the cover and bring the unit near an operating generator. The particles will bounce rapidly up and down. They are first attracted by induction to the upper plate but when they touch it they receive a like charge and are violently repulsed. When they reach the base plate again they lose that charge and the cycle repeats.

The demonstrations described in these instructions may involve hazards from careless handling or incorrect procedures. This equipment should only be used under the supervision of a qualified, certified science teacher.

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