

VOLTA'S HAIL STORM MODELS N-132 & N-132L

This unit is available as Ø7.5cm cylinder, or as a Ø15cm cylinder. Both units come with vermiculite and metal screening. It is assembled by placing the acrylic tube on the lower base plate and the cover plate is then 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.

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 (see WINSKO model N-100V 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.

