

## ELECTRIC WHIRL

### MODEL N-124 / MODEL N-124-IS

The Electric Whirl (Model N-124, shown at above right) is a spoked wheel which is supported at its center on a cone bearing. To use in a demonstration, bring the Electric Whirl near the dome of an operating Van de Graaff Electrostatic Generator (Model N-100V) and the wheel will begin to spin rapidly. The user should hold the unit by the base and keep it fairly level during the demonstration.

The Electric Whirl (Model N-124-IS, shown at below right) is an option to the N-124 that can be mounted on the WINSKO Model N-140 Insulating Stand. It is a spoked wheel which is supported at its center on a cone bearing. To use in a demonstration, bring the Electric Whirl near the dome of an operating Van de Graaff Electrostatic Generator (Model N-100V) and the wheel will begin to spin rapidly.

When using either instrument, the electrons from the Generator dome escape to the arms of the wheel and the high voltage concentration at the sharp points ionizes the air nearby. These charged particles are then repelled. The rotation, or spinning, of the Electric Whirl is the result of the equal but opposite reaction to the repelling of the ionized air. The direction of rotation is always such that the spokes move away from the points.

Please refer to our printed instructions included with the WINSKO N-100V Van de Graaff Electrostatic Generator for descriptions of additional demonstrations. Or, WINSKO now offers a DVD (catalog N-158) featuring video demonstrations and descriptions of our full line of N-100V Van de Graaff Generator accessories. This DVD, as well as the full line of all WINSKO products, may be purchased directly from WINSKO via phone or fax, or through our website at [www.winsco.com](http://www.winsco.com).



WINSKO Model N-124 Electric Whirl with Base



WINSKO Model N-124-IS Electric Whirl (for mounting on WINSKO Model N-140)