

# HOW iWAVE<sup>®</sup> WORKS

iWave is an air purifying device that installs in any air conditioning or heating system. When air passes over the iWave, ions produced by the device reduce pathogens, allergens, particles, smoke and odors in the air, creating a healthy environment without producing any harmful byproducts.

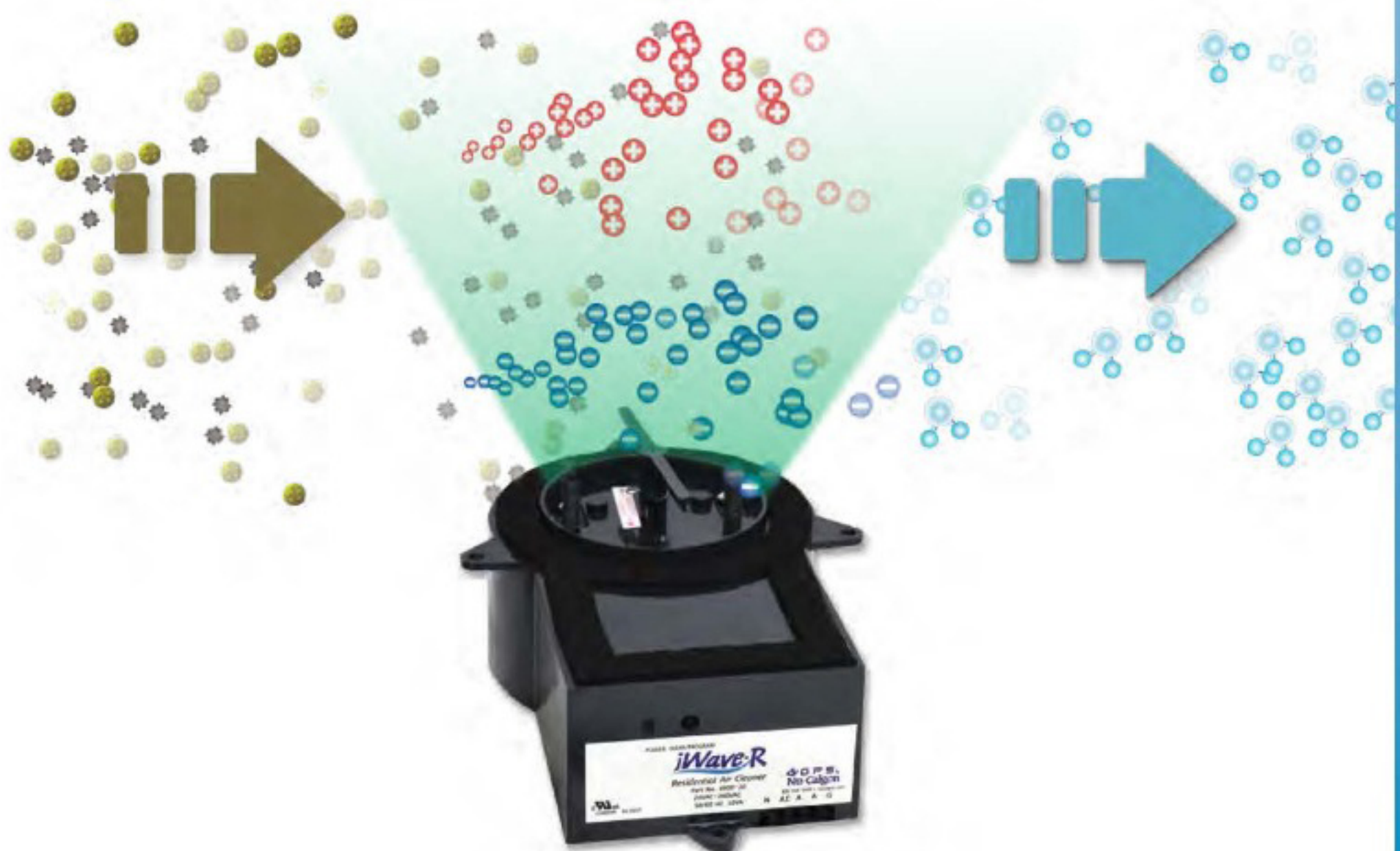
iWave uses needle-point bi-polar ionization with patented and patent pending features to create equal amounts of positive and negative ions. When these ions are injected into the air stream and the breathable air space, they break down passing pollutants and gases into harmless compounds like oxygen, carbon dioxide, nitrogen and water vapor (see illustration below).

When the ions come in contact with viruses, bacteria or mold, their reaction decomposes proteins on the surface of these pathogens, thereby inhibiting their activity. The ions also attach to allergens like pollen and other particles like dust and dander, causing them to band together until they are large enough to be caught by your ventilation system's air filter.

iWave's technology generates the same ions that nature creates with lightening, waterfalls, ocean waves, etc. Nature uses energy to break apart molecules, naturally cleaning the air and producing a healthy environment. The only difference between the iWave's technology and nature is that the iWave does it without developing harmful ozone.

**POLLUTED AIR**

**CLEAN AIR**



**iWAVE ION GENERATOR**