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## GPS Ions

**What is an ion you may ask?** An ion is a molecule that is positively or negatively charged, meaning that it has electrons to give or needs electrons to become uncharged, thus becoming stable.

GPS' technology generates the same ions as Mother Nature creates with lightning, waterfalls, ocean waves, and the like. It's Mother Nature's way of cleansing the air naturally and creating a healthy environment. Mother Nature uses energy and shear to break apart molecules. The only difference between GPS' technology and Mother Nature is that GPS' technology does it without developing detectable ozone. 3rd party testing by Intertek/ETL to the UL 867 ozone chamber test confirmed ozone levels less than 0.00PPM!

Ions do not like being ions; they want to be uncharged atoms or molecules. Charged atoms and molecules will react with closely associated atoms and molecules to gain electrons or give up electrons and thereby reach a stable un-ionized state. If an electron deficient ion like an oxygen or nitrogen atom is in close proximity to a virus, bacteria, mold spore, etc., it will bond with, and remove, the hydrogen molecule from that virus, bacteria or mold spore, rendering it incapable of replicating; think of it like giving the bacteria, virus or mold spore birth control. They can no longer reproduce or replicate and will eventually die. The corona of energy created by GPS' technology also breaks down the Volatile Organic Compounds (VOC's), Odor and Smoke molecules. The cold plasma (bi-polar ions) produced by GPS' technology will agglomerate particles, making them larger and easier to filter. It will reduce static electricity. And finally but **not least, it will create the ions necessary for life. Each living thing on this planet requires the ions that Mother Nature produces in order to live healthy. Human activity has degraded the level of these ions through pollution** and the creation of indoor air spaces that mechanically reduce these ions. GPS' technology will help return these indoor air spaces to the quality Mother Nature intended.

Typical outdoor concentrations of ions are 50-100 ions per cubic centimeter in polluted metropolitan areas. Concentrations in clean outdoor air near waterfalls, high in mountains, and where the ocean meets the beach are around 5,000 ions per cubic centimeter. GPS' technology is designed to replicate the ion levels in the cleanest of environments by increasing the indoor levels over 2,000 ions per cubic centimeter. No matter how much outside air you bring into your home or building, without GPS' technology, you will never achieve the level of ions required to kill pathogens, control odors and reduce particles.