

Burley Ionizer Feature



Brief Description

The Burley ionizer emits a high voltage electrical discharge inside the fire which creates a continual stream of negative ions being released. The ions are then efficiently blown out of the fire and distributed into the room by the fan.

Natural Ions

High concentrations of negative ions are naturally found in places such as in and around mountains, waterfalls, which is why the air seems so refreshing. In such places, typically, the amount of ions is approximately 2000 parts per cm^3 / 0.6inch^3 . In comparison, a typical room in a home will have only 200 ions per cm^3 / 0.6inch^3 . Opening windows in the room will increase this, but not very practical in winter. High concentrations of ions will remove airborne particles such as smoke, dust, bacteria, which is why the air is so refreshing in such places.

The Burley ionizer can be used continually to help maintain this natural balance of ions or just used on occasions to reduce odours such as cigarette smoke, food smells, cleaning products, etc.

How do the Ions Clean the Air?

The negative ions are negatively charged so that they magnetically attract to airborne particles which are positively charged causing them to aggregate or clump together. As a result, they become too heavy to remain floating in the air. They fall to the floor and can be removed with a vacuum cleaner.

How long will it take to clean the air in my home?

This can vary considerably, as different airborne particles require more time to be removed. It also depends on the density of what is trying to be removed. For example, a room with a lot of cigarette smoke will take many hours to remove rather than a simple food odour. The amount of people in a room being ionized can also have an effect.

How do I switch the ioniser on or off?

The ioniser is built into the electronics of the fire and automatically switches on or off when you switch the fire on or off. There is no separate switch for the ioniser.