

## AM-Finn PowerZone Series

### *Revolutionary Automatic Cleaning System*

*Mold, mildew, bacteria and that ubiquitous musty smell are things of the past.*

*Chlorine, chemicals and scrubbing are also eliminated with the PowerZone series ozone generators.*

*Designed specifically to remedy the on-going sanitary concerns of the commercial sauna and steam room, using the principals of corona discharge. The PowerZone series is the industry's first sauna and steam automatic sanitization system. This system is environmentally friendly and reduces the use of toxic chemicals and costly man-hours dedicated to cleaning saunas and steam rooms.*



### **Research, Development and Evolution**

*Am-Finn is a world leading manufacturer of sauna and steam room equipment. As one of the largest global suppliers to the hospitality and recreation industries, Am-Finn continually invests in product development that result in longer lasting, energy-efficient and environmentally responsible products.*



*Advanced Hybrid Steam Room*

*Introducing the Advanced Hybrid Steam Room system. Uses 50% less energy than traditional tile rooms and eliminates the following common problems:*

- *Mold, mildew and bacteria.*
- *The ever-present musty smell.*
- *Daily use of harsh cleaning chemicals.*
- *Annual re-grouting between tiles.*
- *Re-tiling every 2-5 years.*
- *Large steam boiler systems.*
- *Constant customer complaints.*



Certified Products



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### **What is Ozone ?**

Ozone(O<sub>3</sub>) is also known as "Activated Oxygen". Containing three atoms of oxygen(O<sub>2</sub>), as opposed to the two atoms we normally breathe. Ozone, which exists in our earth's atmosphere, is a protective layer that protects us from harmful UV rays of the sun.

### **How does Ozone being created naturally and synthetically?**

Ozone is formed naturally by Ultra-Violet Rays from the sun and by lightning. Ozone can also be created synthetically by passing air through a corona discharge ozone chamber (electrical reaction) or Ultra-Violet lamp (photochemical reaction). Some of the oxygen molecules split into two separate oxygen atoms. These single atoms then form semi-unstable bonds with the oxygen molecules (O<sub>2</sub>+O<sub>1</sub>=O<sub>3</sub>/Ozone). These oxygen molecules are highly reactive. This reactivity is because of the third atom of oxygen, also know as a 'Hungry Atom'. This atom is very eager to break away from this unstable bond and react with any oxidizable compound (organic or inorganic). The Ozone created by the PowerZone Series (corona discharge method) is significantly more concentrated than natural ozone created by ultra-violet rays.

### **What is the life span of Ozone?**

Ozone is extremely unstable and has a short lifespan. It will break up into oxygen in 20 to 30 minutes (depending on the temperatures of the environment). It is very susceptible to heat, as the ozonated atmosphere is being heated, ozone will convert back into oxygen quickly. Ozone cannot be stored and must be generated on site and used instantly.

### **What is the smell of Ozone?**

Ozone has natural grass herby smell. The 'fresh, clean ' smells that we notice after a thunder storm is actually nature's creation of ozone. Ozone is nature's way of purifying and disinfecting the air of our environment.

### **Is Ozone safe to use?**

Ozone is the safest and most powerful oxidant known today. It performs 3,000 times faster than chlorine as a bactericide and 5 times faster than ultra-violet ray for air and water treatment. Ozone, as an oxidant, decomposes contaminants or chemically alters them so that they are harmless to humans.



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