Always bothered by the water pollution?

Water Treatment

Environment Friendly

Latest Technology

Care Your Life

Ozone Generator

Modern Design

Economical Product

Aquapure ozone technology

your best solution!

Product description

Ozone does not need to be complicated in order to treat small water systems. A small water system consists of one or multiple households on well, spring or rooftop water. Water treatment means removal of iron , manganese and hydrogen sulfide to below the Environment acceptable levels including bacterial control.

Module Number:

AOT-10G

- Ozone output
- Aquapure Ozone Tech

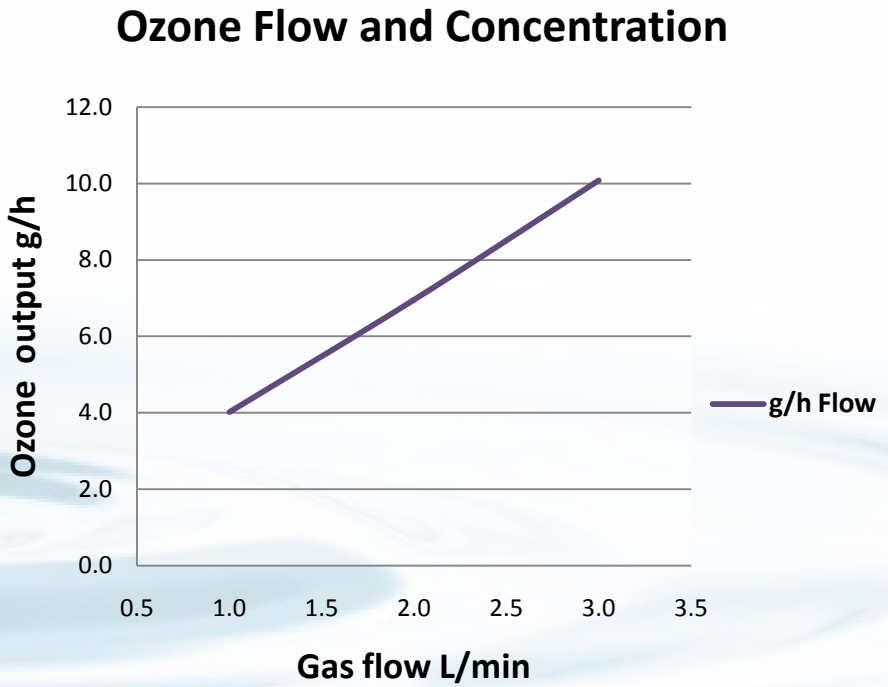
Why should I buy this?

- Built-in oxygen concentrator;
- Kill 99.6 % germs ;
- Decontamination and purification;
- Compact design;
- No pollution ;
- High concentration.

TECHNICAL SPECIFICATION	
Ozone Output	10 g/h. Adjustable 4.0~10.0 g/h
Ozone concentration	> 55 mg/L at 3.0 L/min gas flow
Gas Flow	Adjustable 0.5 ~3.0 L/min
Oxygen Purity	> 90 %
Life	> 15,000 hours
Output connections	OD 5.0 mm
Continuous operation	24 h/day
Cooling system	Air cooling, built-in 2 x 80 CFM fans
Ozone generating method	Corona discharge
Input voltage	220 V AC 50 Hz (60 Hz optional)
Rated power	< 370 W
Size L x W x H	301 x 277 x 393 mm
Product Weight	19.5kgs/pc
Mounting Type	Wall-mounting along with bracket

Product Test Data and Curve

	AOT-10G		Oxygen
Gas Flow	Ozone Conc.	Ozone flow	Oxygen Purity
L/min	mg/L	g/h	%
1.0	67.0	4.0	94%
1.5	62.0	6.0	94%
2.0	58.0	7.0	94%
2.5	57	9.0	94%
3.0	56.0	10.1	94%



How dose ozone made?

Ambient air is forced into a Corona Discharge reactor

Electrical excitation fuses oxygen atoms with oxygen molecules

Highly reactive, unstable ozone is produced that is injected into air or water

Ozone reverts back to oxygen-leaving no hazardous residue-releasing oxygen atoms that puncture & kill bacteria and viruses

Application I: **family well**

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Kitchen

Skin care

Dental care

Body care

Drinking water

- **It kills viruses, bacteria, fungi and algae on contact**
- **It breaks down harmful synthetic chemicals into less dangerous molecules.**
- **It purifies the blood of microorganisms by rupturing their cell walls.**
- **It kills some cancer cells, slows tumor growth, and may stop the spread of cancer.**
- **It provides more oxygen to the brain.It boosts the immune system.**

Application I I: **Bottle water/Beverage**

- **Ozone is superior to any other disinfection method because of its high oxidation state.**
- **Ozone allows for lower operating costs and reduces overall chemical costs.**
- **Ozone is not typically associated with by-products, and naturally reverts to oxygen, so no taste or odor is associated after its use.**
- **Ozone is generated on-site. Therefore no dangerous storage or handling is required.**
- **The International Bottled Water Association (IBWA) suggests a residual ozone level of 0.2 to 0.4 ppm. This provides disinfection to both the water and the bottle.**
- **Destroying bacteria instantly, ozone works faster than any other oxidant on the market!**

Application I I I: **Farm**

Agricultural applications for ozone are being rapidly expanded and developed thanks to the use of ozone in food production and handling.

From hydroponic agriculture to harvest food storage, ozone applications have been developed that work better and are safer and more environmentally friendly than current chemical applications.

dairy farms are one of the most common cleaning processes used. Each modern dairy farm uses a pipeline to carry the milk from the individual milking station to the final bulk tank (with a few steps in between). Dairy farms are required to clean these pipes after every milking, which may be 2 or 3 times per day. **Traditionally hot water with chemicals were used in these processes consuming a large amount of energy and chemical costs. The use of ozone can eliminate hot water costs, lower chemical costs, and shorten total cleaning time, allowing more time for milking.**

Salmonella poisoning is another common disease dairy farms battle on a regular basis. Typically, salmonella bacteria is spread from infected animal feces that enters the farm's main water system. Again, dairy cattle drink the contaminated water, which in turn can result in sick animals with little to no usable milk production.

Mastitis is one of the most common diseases in dairy cattle. It is also one of the most expensive diseases to treat. It comes from an infection in the udder, sometimes caused by contaminated water that the cow has ingested. If mastitis is found in dairy cows, it can be transferred to the milk, which must then be disposed of, resulting in a tremendous loss of dollars.

Application IV: **Pool/ Fish pond**

The most common treatments used for pool and spa waters are still chlorine or bromine. These halogen compounds are added until a specific free halogen residual is achieved. All oxidising pool disinfectants must perform two functions, one being to oxidise organic and some inorganic contaminants of the pool and two, to act as disinfectants. Chlorine is by far the most common halogen compound used in swimming pools, however for indoor heated pools, unpleasant chlorinous odours exist in the pool hall, chloro-organic by-products cause bather skin and eye irritation and volatile chemicals cause significant pool hall corrosion.

Ozone system provide the ultimate weapone in the kio keeper's armoury in the constant fight against disease and the struggle to maintainsuperb water quality. Ozone is the most effective natural bactericide and vircide of all disinfecting agents available to the kio keeper.

Application V: **other**

Waterwork

Ozone is a very reactive gas that can oxidise bacteria, moulds, organic material and other pollutants found in water.

Using ozone to treat wastewater has many benefits:

Kills bacteria effectively;

Oxidises substances such as iron and sulphur so that they can be filtered out of the solution;

There are no nasty odours or residues produced from the treatment;

Ozone converts back into oxygen quickly, and leaves no trace once it has been used.

The primary benefit of ozone in food processing is its ability to control microorganisms of all types, including storage microorganisms. Consequently, the shelf life of many food products can be increased, sometimes by simply washing the foods in water containing ozone (fresh cut salad mixtures, apples for candying, strawberries, blueberries, etc). Addition of ozone does not add potentially toxic residues to the food products which it contacts.

The poultry processing industry is a large volume consumer of water. The potential for reuse of poultry processing water represents an attractive economic benefit to the industry.

THANK YOU!

AQUAPURE
OZONE TECHNOLOGY

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