



**OZONE**   
**GENERATOR**

Ozone generator manufacturer of permanent work  
Utilizing the highest technology



[www.pars-ab.com](http://www.pars-ab.com)  
[www.rashkian.com](http://www.rashkian.com)  
Industrial factory of Anzali free zone  
☎ ۰۱۳ ۳۳ ۷۵ ۰۵۲۱ - ۰۱۳ ۳۳ ۷۵ ۰۵۱۲

پارس ازن

Part of the Rashkian income is spent helping children in need



# OZONE <sup>PO3</sup> GENERATOR



table of specifications of a number of air cooled devices\*

Item	Unit	PA-2	PA-5	PA-10	PA-15	PA-20
MODEL						
OXYGEN FLOW	LPM	1.3	1.5	3-8	4-10	5-15
Ozone concentration	gr/hr	0.5-2	2.5	4-10	6-15	8-20
Power	Kw	<0.05	<0.075	<0.13	<0.18	<0.45
Frequency	Hz	7-15 KHZ	7-15 KHZ	7-15 KHZ	5-13 KHZ	5-13 KHZ
Cooling method Air-cooling for internal & external electrodes						
Diameter for gas tube	mm			6.8		
Power supply	V/Hz			220-50/110v-60Hz		
Mounting hole for in & out conection	mm	8	8	8	8	8
Ozone tube weight	kg	10	12	22	40	50

more information capacities other ozone generators PW-PC-PL contact us \*



## advantages(benefits) of the ozone generator in swimming pools

- removal of micro-organisms
- completely reduce the consumption of chlorine
- removal of harmful chlorine compounds that cause bad smell in the swimming pools
- no change in water PH
- Removes water fats and In-cleared water clearly
- Suspended particles in the water passing through the filter

## Applications of ozone generator in different industries

- Sewage water treatment
- (Industrial food)/food processing
- Swimming pools and water parks
- Sanitary and medical industries
- Aquaculture and agriculture industries

## Application of ozone in various industries and centers

- Ozone in industrial foods factories
- Ozone in cooling tower
- Drinking Water treatment
- Waste water treatment in swimming pools
- Air treatment
- Animal husbandry
- cold storage
- poultry
- slaughter-house

## Approved by

- 1. U.S food and drug administration(FDA)
- 2. U.S environmental protection (agency)EPA
- 3. American occupational safety (and health administration)(OSHA)
- 4. Approved by FSIS
- 5. National institute of open (schooling)NIOS
- 6. Deputy of food drug ministry of health(food and drug organization)

## Production method

The production method of this product is...and in the form...used to produce ozone in high volumes

## Other product features

- Temperature control sensor
- Long lifespan of the electrode
- Solubility of ozone to more than 1%
- Ability to work with oxygen or dry air

## Principle of quality

Ozone generator have the highest quality parts and design accuracy and are manufactured in compliance with all international standards the product is supplied with the suitable guarantee



## Some examples are done by an ozone generator device

- Ghaem international hospital
- Arian steel factory in Karaj
- Water treatment plant of the dairy factory in Azarbayjan
- Wastewater(sewage) treatment MDF factory in Azarbayjan
- Shahid dana sports complex
- Atomic residential complex in Malayer
- Mazar sharif mineral water plant
- Welfare and sports complex Islamic republic of Iran broadcasting
- Swimming pools of Guilan province youth and teenagers sports department
- Rohbakhsh pool sports complex
- Arna pool sports complex
- Swimming pools of Guilan school modernization
- Tannin talesh pool water park complex
- Golavar pool sports complex
- Soroush pool sports complex
- Arikeh Iranian pool sports complex
- Lahijan abrishami hotel pool
- ...Foman moein hotel pool



## what's ozone

job as thermo oxidation, but with the advantage of working in cold environments, this provides savings in energy & money

Ozone is 81% more powerful on bacterial cell walls than chlorine

Ozone kills bacteria 3100 times faster than chlorine

Ozone is the most powerful broad spectrum microbiological control agent available

Ozone eliminates the use of hot water and conventional sanitizer

Ozone virtually eliminates all chemical usage

Ozone is chemical-free; it produces NO toxic by-products

Ozone has full FDA approval for direct-food contact application

Ozone is clean and environment-friendly, its only by-product is oxygen

Ozone is extremely effective as a disinfectant at relatively low concentrations

Ozone is generated on site eliminating the transporting, storing and handling of hazardous materials

Ozone is very inexpensive to produce and has an unlimited supply

Ozone is much safer for employees than any conventional chemicals

Ozone extends the shelf life of food products

Ozone permits recycling of wastewater

Ozone reduces Biological Oxygen Demand (BOD)

Ozone oxidation is the most excellent and environment friendly to disinfect the water and air. It works effectively against bacteria, viruses compared to chlorine. In addition, oxidizing properties can also reduce the concentration of iron, manganese, sulfur and reduce or eliminate taste and odour problems

Ozone oxidizes the Iron, manganese, and sulfur In the water to form insoluble metal oxides or elemental sulfur. These insoluble particles are then removed by post-filtration. Organic particles and chemicals will be eliminated through either coagulation or chemical oxidation.

Ozone is unstable and It will degrade over a time frame ranging from a few seconds to 20 minutes. The rate of degradation is a function of water chemistry, pH and water temperature

Ozone can be used in many applications and it is generated on site from oxygen, which eliminates the need to haul chemicals or other dangerous products. In many applications ozone saves money, environment & time. Ozone is much healthier & safer to use than harsh caustic chemicals & it does an excellent job. There are many applications where thermo oxidation is used to disinfect or clean. Ozone can do the same

ozone	Chlorine	description
chemical	chemical	Disinfection
600s	1200s	Performance time
No	ok	Waste chemicals
No	Ok	Organic compound
No	Ok	Change the composition of water
No	Ok	Environmental degradation
No	ok	Danger of explosion



Pars Ab Caspian Company in keeping with the knowledge of the day, while utilizing the expert technical staff and the most modern equipments in the field of consulting, design, supervision, construction, implementation and supply of equipment for various projects of pool facilities, water collection, water treatment and sewage with door Compliance with all international standards FDA and DIN, WHO, NSF, EPA has been active and has successfully implemented and implemented many projects so far

The company has been created due to production and export potential and in order to complete the service cycle and focusing on environmental technologies and renewable energy in the Azad Free Zone in T. Environmental Technology has been developed in It specializes in the name of the generators, household and industrial water treatment plant (RKC)

In order to improve the quality, ease and on par with the global products, the company has taken the representation of General new partner of Europe and all products manufactured under the license of the company



Pars Ab Caspian Company holds ISO Quality Management Certificate