



Bayern®

AOP Ozone Solutions



By-Pass Installation Kit



Electrodes

AOP Ozone is user friendly and zero-waste water purification



AOP Ozone Solutions

Oxidizes and disinfects water, kills algae and micro-organisms in swimming pool

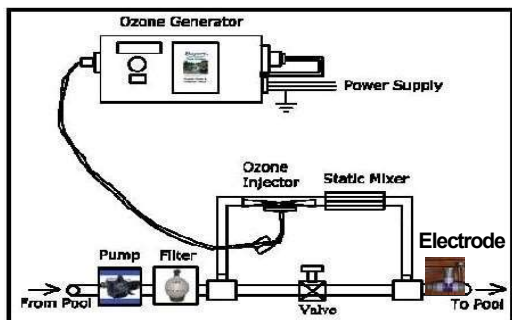
Bayern AOP (Advanced Oxidation Process) Ozone is a combination of ozone and ionization processes to oxidize pollutants and control algae in the swimming pool. Ozone (O₃) is recognized as the leading technology for chemical zero-waste of water purification and removal of natural pollutants and manmade water contaminants today. Ozone is very effective to oxidize water pollutants as well as to kill bacteria, virus, protozoa and microorganisms, while ionizer is powerful to control the growth of algae.

Bayern ozone generator using proprietary PHEI reactor module to produces higher concentration and stable ozone without the corrosive by-product of traditional corona discharge machine. This new technology produces reliable ozone output for treating swimming pool and water supply with crystal clear and healthier result.

Bayern Ionizer utilizes an advanced electrolytic process which automatically emits small amounts of copper and silver ions into the water circulation system. The cell electrode is specifically designed with copper alloy that depletes at a designated rate into the water circulation system. The disinfecting action is attributable to the positive charged of copper ions which form electrostatic bond with negatively charged cell wall of microorganisms



Ozone Generator



AOP Ozone Generator Installation

Features

Ozone Generator :

- High frequency electronic ballast, 230V/50Hz
- Patented VUV ultraviolet lamp module
- Proprietary PHEI™ (Photo-Hydro Electric Ionization) module
- Dynamic vortex venturi injector and vacuum breaker for optimum ozone and water mixing
- Ozone check valve and bypass installation kit
- Rugged electrical panel with ozone indicator
- Housing Size: 245mm(w)x575mm(l)x230mm(d)


Ionizer Electrodes :

- Proprietary designed copper alloy electrodes
- Robust electrode housing, 350mm x 210mm
- Input voltage : 230V/50Hz, IP54
- Water temp : 0 ~ 40 degrees Celsius

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MODEL 	POOL VOLUME (m3)	FILTRATION (Hours)	IONIZER Electrodes
BZ1600-Ultra	Up to 50	8 to 12	BION-100
BZ2400-Ultra	50 to 100	10 to 12	BION-100
BZ3200-Ultra	100 to 150	10 to 12	BION-100

Specifications and dimensions subject to change without notice.



Swimming Pool with Ozone



Other Usages :

Fish Pond and Fountain

The ozone generation can be used for the disinfection of fish/KOI pond and fountain, with special arrangement installation.

Water Supply

Combining it with sand or manganese zeolite filter, the ozone solution is a proven method for disinfection of water supply.

Optional Features:

- Bayern Ozone can be combined with a Copper Alloy Ionizer in order to generate more effective process which called AOP (Advanced Oxidation Process) Ozonation.
- Copper Alloy Ionizer with special copper /silver alloy for a cooling tower circulation system is available on request.



PHEI™
Photo-Coating



Fish Hatchery
Filtration



Sand Filter

Available from: