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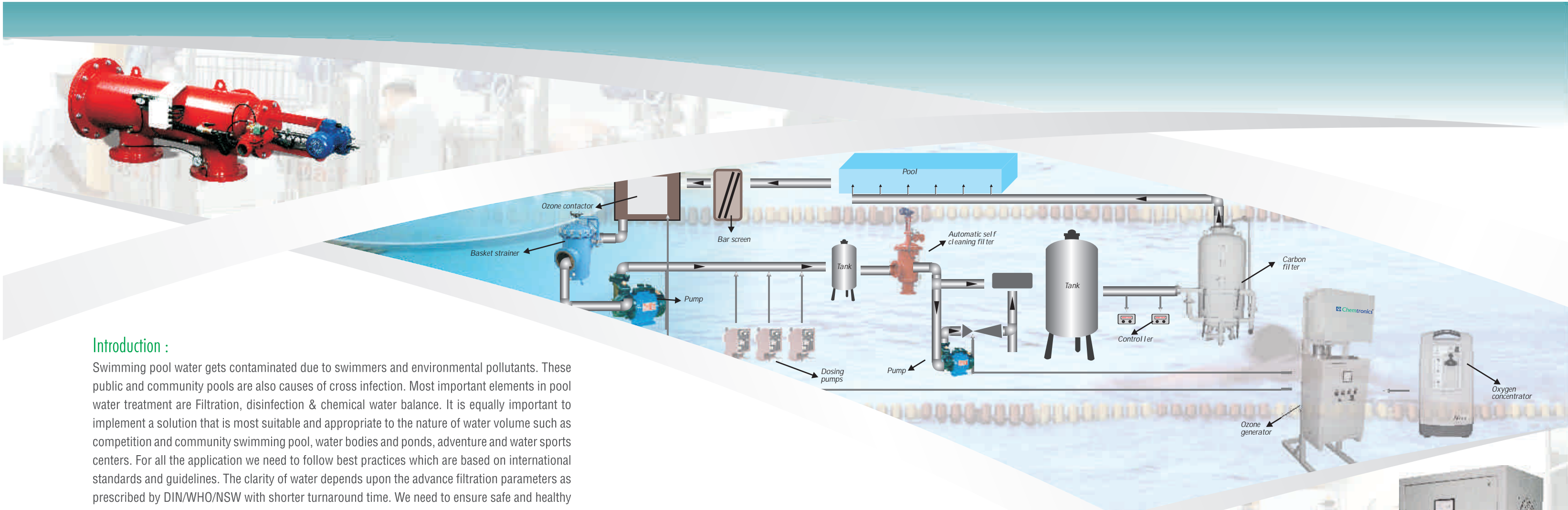


Filtration

Advance Ozonation

Chemical Water Balance





Introduction :

Swimming pool water gets contaminated due to swimmers and environmental pollutants. These public and community pools are also causes of cross infection. Most important elements in pool water treatment are Filtration, disinfection & chemical water balance. It is equally important to implement a solution that is most suitable and appropriate to the nature of water volume such as competition and community swimming pool, water bodies and ponds, adventure and water sports centers. For all the application we need to follow best practices which are based on international standards and guidelines. The clarity of water depends upon the advance filtration parameters as prescribed by DIN/WHO/NSW with shorter turnaround time. We need to ensure safe and healthy disinfection technique which has minimum side effects of DBPs. It is equally important to save and conserve water during integrating filtration & water treatment. Desired performance depends on systematic data logging and based on the same, suitable operation and maintenance of the plant.

Solution :

Integrated Automatic Self Cleaning Filter and Advance Ozonation treatment.

Salient Features :

- World class time tested technology.
- Filtration, Treatment & chemical balance in compliance with International standards & guidelines.
- Filtration rate as per standard turnaround time.
- Automatic Self-cleaning filter for consistent filtration degree.
- Chemical balance of water for control level of pH, alkalinity, calcium hardness, TDS & Disinfectants.
- Adequate ozone dose & implementing technology as per world standards, keeping "safety first".
- Due to use of ozone it requires reduced dose of chlorine or only Ozonation.

Benefits & Advantages — Automatic Self Cleaning Filtration :

- Consistent quality between two cleaning cycle.
- Automatic self cleaning technology that self cleans only when required.
- Avoids human errors & excellent operational quality.
- Filtration never stops, even during cleaning mode.
- Very low waste water for self cleaning.
- Very short breakdown time.

Benefits & Advantages — Advance Ozonation :

- Highly effective on bacteria, virus, spores, fungi, algae as compared to any other disinfectant.
- Works 3100 times faster than chlorine.
- 1.33 times powerful on bacteria and virus than chlorine.
- No significant formation of harmful by-products.
- Micro-flocculating property gives more clarity & purity.
- Reduces colour, odour, turbidity & TDS.
- Oxidizes unwanted Iron & manganese.
- Reduces cyanide, sulfur and nitrite.
- Operates on wide range of pH.
- Safe on swimmers Skin, hair, eyes, even if swallowed.
- Safe on pool surfaces, equipments, accessories, costumes.
- Simple to generate on site - no storage & handling hazards.
- Environment friendly - Waste water does not require any further treatment before disposal.

