

## INDION® Disinfection System

Swimming pools are highly prone to bacterial growth. Hence, disinfection of pool water is a must to kill pathogenic microorganisms that are hazardous to health. Depending on the specific requirement, we offer variety of disinfection systems or their combinations, which are:

- \$ INDION Electro chlorinators
- \$ Ozonation
- \$ UV sterilisation
- \$ Disinfection through silver ionization-ESS technology
- \$ Chlorination (in all forms- tablets, granules, powder, liquid or gas)



We also offer pool automation system to monitor & control pool water sanitation & pH levels, to maintain high quality water at all times.

## INDION® EASYTEST Kit

Gives on-the-spot analysis of water for checking parameters like hardness and free chlorine. It provides consistent, accurate reading and eliminates the need for trained laboratory personnel.

**Hardness:** If calcium and magnesium salts are present in excess amounts in the pool water, they form a scum/layer on the skin and leave hair limp. INDION EASYTEST Kit measures total hardness (0-40 ppm) in multiples of 5 ppm.

**Free Chlorine:** Chlorine commonly used for disinfection of the pool water, if present in excess amount, cause irritation to the eyes and skin. INDION EASYTEST Kit enables on-the-spot determination of free chlorine up to 4 ppm in chlorinated water. The results are expressed in multiples of 0.1 ppm.



## INDION® pH Meter

Ready-to-use INDION pH meter is easy to operate, light weight and provides accurate readings.

### Features & Advantages

- \$ Large LCD display
- \$ Simple calibration

### Cleaning Systems Auto

Our latest range of robotic pool cleaners work independently from the filter and pump and are driven by an electric motor inside the unit. They are self-contained and collect dirt and debris in a filter canister within the cleaner.



### Features & Advantages

- \$ Best-fit for 100 m<sup>3</sup> pool volume
- \$ Cable length 18 m
- \$ Remote operated
- \$ Different programme duration
- \$ Floor & wall cleaning
- \$ Anti-twist protection of electrical cable
- \$ Display filter bag full / check filter

### Manual

Our range comprises of highly efficient, user-friendly, durable state-of-the-art advanced manual pool cleaning equipments, designed to suit all pools regardless of shape or size and are electrically safe.

- \$ Algae brush
- \$ Curved brush
- \$ Leaf rack

## Accessories

Pool cleaning accessories along with pool equipments play an important role in maintaining the pool. We offer accessories that are efficient and user-friendly.

- \$ Vacuum head -14" and 18"
- \$ Light weight aluminum telescopic pole - extendable up to 4.8 m

## Under Water Lighting

Illuminate your pool with best submerged under water lights, available in warm white and colour options.



Our state-of-the-art manufacturing facilities are ISO 9001, ISO 14001 & ISO 45001 certified.

To the best of our knowledge, the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional / branch offices for current product specifications.

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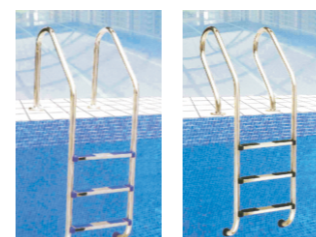
## Features & Advantages

- \$ Highly efficient
- \$ Easy to install and safe operation
- \$ IP 65 protection
- \$ Corrosion proof cabinet

## Pool Fitting Equipments

A wide variety of fitting equipments which are essential and add to the aesthetics of the pool.

- \$ Floor inlets
- \$ Ladder
- \$ Vacuum point
- \$ Main drain
- \$ Overflow grating



# Total Swimming Pool Solutions



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www.ionindia.com



Ion Exchange pioneered water treatment in India and today, with over five decades of expertise it is one of the largest service providers in Asia with a strong global presence. Among few companies worldwide with the entire range of technologies, processes, products and services, we are able to provide total water management solutions for every sector. For residential, commercial and hospitality sectors we offer a wide range of products and services - drinking water, swimming pool to sewage treatment and recycle.

### 360° Swimming Pool Solutions

Swimming pool enhances the aesthetics of an apartment, club, hotel or a farmhouse. Essentially, its design, crystal clear water, fittings and accessories all put together gives the water body a unique identification. Our technically sound and aesthetically appealing range of solutions are:

- \$ Consultancy, design and installation of various types of pools
- \$ Prefabricated pools
- \$ Filtration systems
- \$ Heating & chilling systems
- \$ Pumping systems
- \$ Disinfection systems
- \$ Water testing solutions
- \$ Cleaning systems
- \$ Pool accessories

Our expertise, value added products and all India service network has enabled us to execute large projects in-time and efficiently. Experience and proven track record makes us the one-stop solution providers for all your swimming pool related requirements.

We offer a variety of swimming pools in skimmer and overflow categories. The types of pools are:

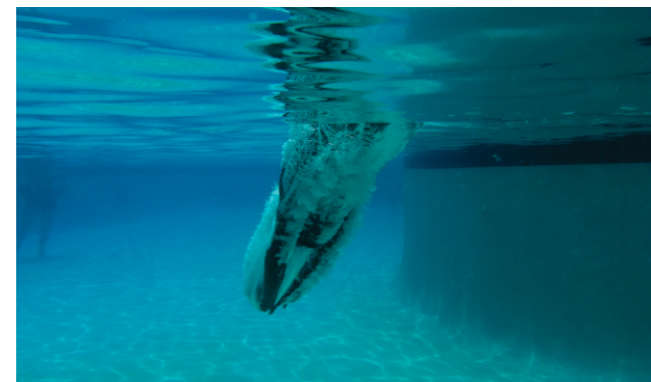
**Olympic Pool** is designed for competitions of international levels and they meet the requirements of the federations. They are also referred to as long course pool.



**Semi Olympic Pool** is identical to the long course pool except for the length is half of that of an olympic pool.



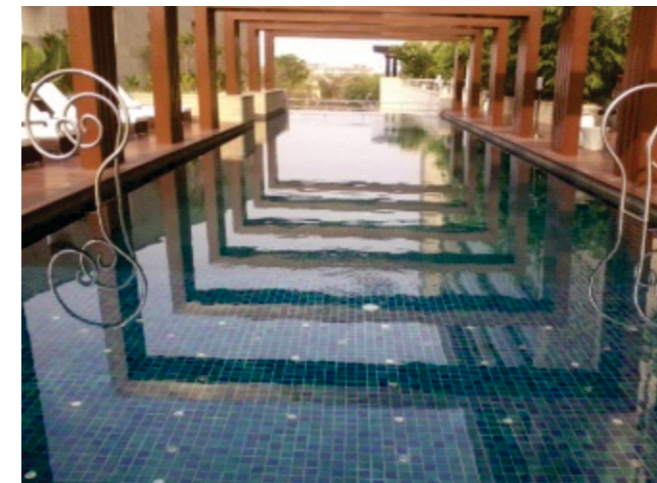
**Diving Pool** is typically designed for diving from diving boards and platforms and the depth of the water requires to meet standard specifications to create a safe diving environment.



**Lap Pool** is primarily built and used for fitness and health purposes. Lap pools are usually long and narrow.



**Infinity Pool or edge pool** (also named negative edge, zero edge, disappearing edge, or vanishing edge pool) the water flows over one or more edges, producing a visual effect of water with no boundary.

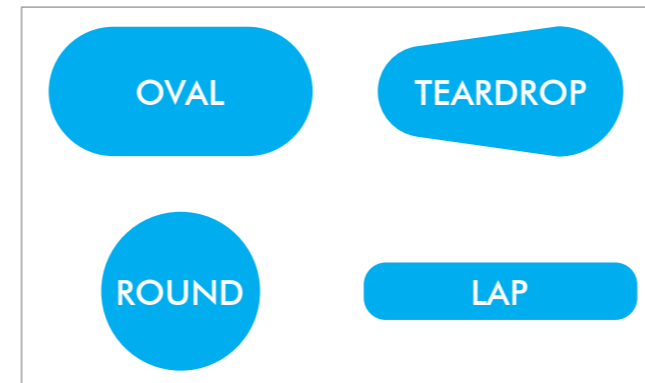


**Leisure Pool** is designed for leisure activities which may include a beached area with water characters for younger children to play, as well as a wave machine, water jets and flume etc.



**Prefabricated Pool** requires minimal space, is price competitive and can be erected within seven days. No costly civil work is required and can be easily relocated at minimal cost. These pools are available in four types:

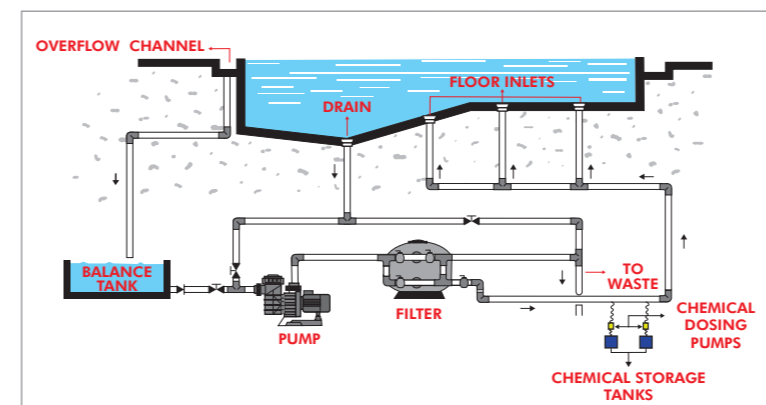
- \$ Oval
- \$ Teardrop
- \$ Round
- \$ Lap



Type	Size range (Feet)
Oval	16 x 12 to 59 x 24
Treaddrop	22 x 15 to 33 x 21
Round	12 to 24
Lap	17 x 10 to 50 x 10

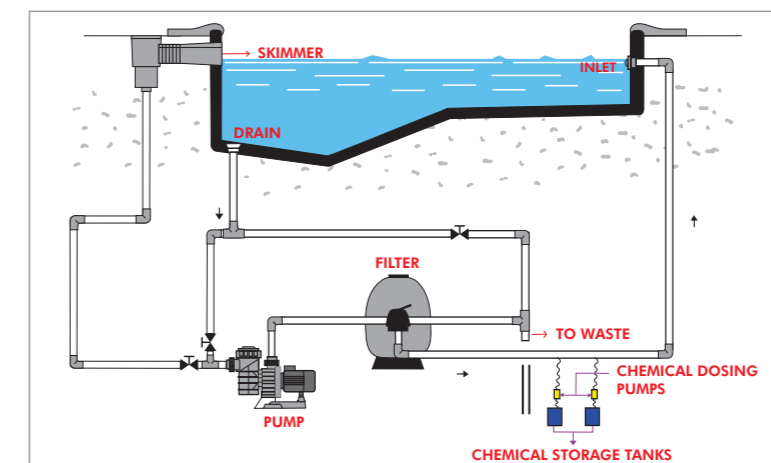
### Overflow Filtration Mechanism

An overflow filtration mechanism is required when the surface area is more than 250 - 300 m<sup>2</sup>. The pool has an overflow channel, which is a trench that surrounds and is covered with a removable grill. Surface water flows over the edge of the pool, and runs by gravity to the balance tank, from which the water is pumped, filtered and then returns to the bottom of the pool through the floor inlets. Here a balance tank is required to take care of surge and make-up water.



### Skimmer Filtration Mechanism

In this type, water flows to the filtration system through skimmers located at the top and the main drains at the bottom. All the debris that floats on the surface (leaves, hair, etc.) is drawn from the skimmers, whereas most of the dirt that sinks exits the pool through the main drains. Once the water is filtered, it returns to the pool through the wall inlets. The number of skimmers is determined by the area of the pool. In general, there are several main drains and skimmers; therefore if something blocks one of the drains, the pumping system pulls water from one of the other drains.



### Pool Equipments

#### Filtration Systems

We offer swimming pool filters in various sizes, which depend on the volume of the pool. They are multigrade filters available in MS and FRP from 450 mm to 2500 mm.



Type of filter	MoC
Top Mount	FRP
Side Mount	FRP
Battery Valve	MS/FRP

### Heating/Chilling Systems

To make the swimming pool experience more enjoyable, we offer heat /chill pumps. Heat/chill pump work on the principle of extract and magnify, to provide the most suitable pool water temperature.



#### Features & Advantages

- \$ Corrosion proof single cabinet
- \$ Ideal for use in pools and spa water heating
- \$ 400 % more efficient than a gas heater
- \$ 600 % more effective than electric heater
- \$ Easy to install and environment friendly

### Pumping Systems

Recirculation of water plays an important role in maintaining pool water clean. We offer effective and silent pool pumps with in-built prefilter, thus providing maximum performance and hydraulic resistance at realistic cost. The components are made of thermoplastic to ensure durability.



#### Features & Advantages

- \$ Pump components are custom-moulded for superior strength, durability and quiet operation
- \$ Built-in extra large suction strainers facilitate easy cleaning as well as increase the time span between successive cleanings
- \$ See-through strainer lid enables easy inspection