

# Total Swimming Pool Solutions

Ion Exchange is a pioneer of water treatment in India with a legacy spanning over fifty-five years. With sales, production and service footprints across the world, Ion Exchange is a premier company in total water and environment management. We are one of the very few companies worldwide with complete range of solutions for water, waste water management, solid waste management and waste to energy. Our comprehensive technologies, products and services, enable our multidisciplinary teams of experts to cater not just to industries and municipalities but also to communities, institutions and homes.

Specifically for the residential, commercial and hospitality sector, we offer a wide range of products and services which include drinking water treatment, waste water treatment, waste to energy solutions and swimming pool solutions.

## 360° Swimming Pool Solutions

A swimming pool enhances the aesthetics of an apartment, club, hotel or farmhouse. Essentially, its design, crystal clear water, fittings and accessories all put together gives this water body a unique identification. We offer the following technical and aesthetically appealing range of swimming pool solutions:

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

Our expertise, value-added products and all India service network have enabled us timely & efficient execution of large swimming pool projects. Experience and proven track record make us a onestop solution provider for all your swimming pool requirements. We offer a variety of swimming pools in skimmer and overflow categories as follows:

**Olympic Pool:** Olympic pool also referred to as a long course pool is designed mainly for international level competitions and meets the requirements of various federations.



**Semi Olympic Pool:** It is identical to the long course/olympic pool except for the length, which is almost half of an olympic pool/long course pool.



**Diving Pool:** It is typically designed for diving from diving boards and platforms. It meets safe diving requirements, by following standard specifications required to be maintained with regards to the depth of the water.



**Lap Pool:** A Lap pool is usually long and narrow, primarily built and used for fitness and health purposes.





**Infinity Pool or Edge Pool:** It is also called as negative, zero, disappearing edge or vanishing edge pool. In this pool, water flows over one or more edges, producing a visual effect of water with no boundary.

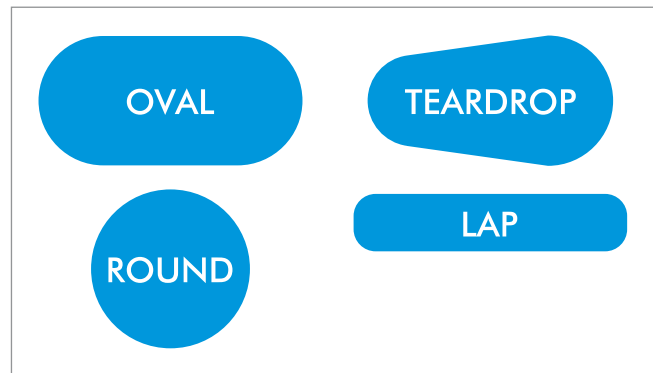


**Leisure Pool:** It is designed for leisure activities, which may include a beached area with water characters for children to play, a wave machine, water jets, flumes etc.



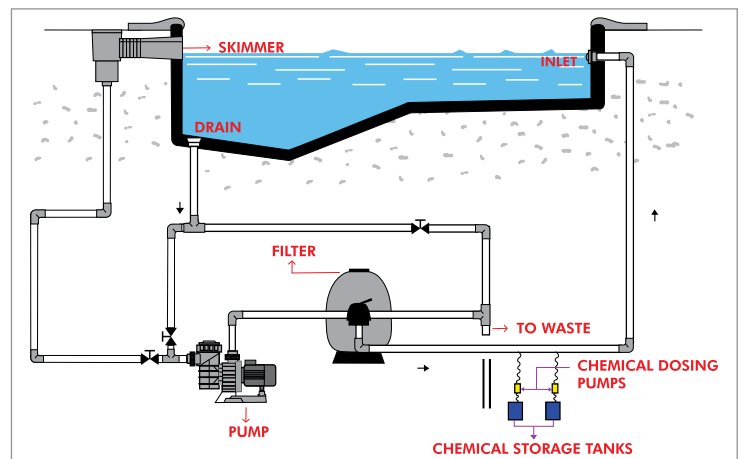
**Prefabricated Pool:** This pool uses minimum space, is price competitive, can be relocated at minimum cost and can also be erected within seven days. These pools are available in four types:

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

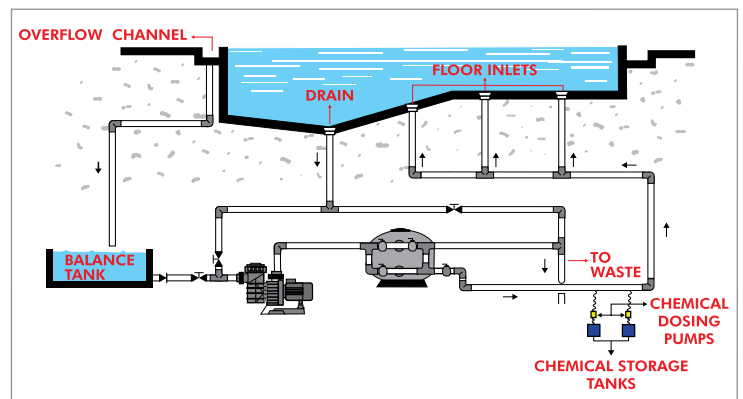


## Filtration Mechanism

**Skimmer filtration:** It is used for a pool which has an 80-100 m<sup>2</sup> surface area.



**Overflow Filtration:** This filtration is used when the surface area of the pool is > 100 m<sup>2</sup>. The pool has an overflow channel with a trench that surrounds it and covers it with a removable grill. Water from the channel is run by gravity to a balancing tank from which the water is pumped, filtered and returned to the floor inlet.



## Filtration Systems

We offer swimming pool filters in various sizes, depending on the volume of the pool. We have multigrade filters available from 450 mm to 2500 mm in MS and FRP. The 6-position multi-port valve with a user-friendly handle easily provides maximum flow at a low-pressure drop.

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



Top, Side mount & Battery Valve Filters

## Horizontal Filters

### Features:

- The fiberglass winding design makes the filter more durable, deforming-proof and corrosion-resistant. It is the best choice for public pools, water amusement parks, aquariums and other water treatment facilities.
- Its unique and advanced design ensures fast draining and stabilizes the waterflow.
- The outlet turbidity is less than 5 NTU
- Working pressure is  $3.5 \text{ kg/cm}^2$



## Pool Filtration Pumps

Recirculation of water plays an important role in maintaining & keeping the pool water clean. We offer effective and silent pool pumps with an in-built pre filter, thus providing maximum performance. These pumps are used for spa, swimming pool, water bodies & cleaning systems.



### Features:

- Motor/pump ensuring no contact with water
- Total electrical separation
- Available with pre filter
- Insulation class 'F' with IP55 protection
- Available range- 0.5hp to 15hp

## Domestic Heat Pumps

### Features:

- Ultra-quiet fans
- LED/LCD display options
- Anti UV plastic exterior
- Patented high-performance titanium exchanger with stable performance resisting the erosion of chlorine ion water
- High-heat exchanger technology reduces the operational cost by 65-80%.
- Installed with heating and cooling reversible defrost gauges
- Temperature display with Celsius or Fahrenheit options
- Superpower failure memory
- Built-in flow switch to avoid the low-level water
- Advanced technology that reduces the noise generated from compressors and fans.



## 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. We offer a variety of customized disinfection systems with various combinations as listed below:

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



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

## Competition & Safety Equipment

### Starting Blocks

- Fibre glass platform (500 x 500 mm)
- Height: 400 mm and 700 mm
- Anchoring plate with holes in SS 304



### Lane Ropes

- Anti-wave racing lane with PVC floats
- Length: 50 m & 25 m
- Float line anchors made of SS 316



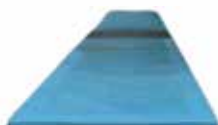
### Lane Rope Roller

- Roller made of SS 304
- Base frame with wheels



### Diving Board

- Diving board with fulcrum
- 450 mm wide & 4.8 & 5 m long
- Fulcrum with a roller.



## INDION® pH Meter

Ready-to-use INDION pH meter for swimming pool, is easy to operate, lightweight and provides accurate readings.

### Features:

- Comes with a huge LCD display
- Simple calibration

## Cleaning Systems Robotic cleaner Auto

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

### Features

- Best-fit for all types of pools with floor & wall cleaning
- Cable length: 18 m
- Remote operated & display with filter bag full/check filter option
- Anti-twist protection of electrical cable



## Manual

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

### Features

- Algae brush
- Curved brush
- Leaf rack



## Accessories

Pool cleaning accessories along with the pool equipments play an important role in the maintenance of 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 the best submerged underwater lights, available in warm white & various colour options.

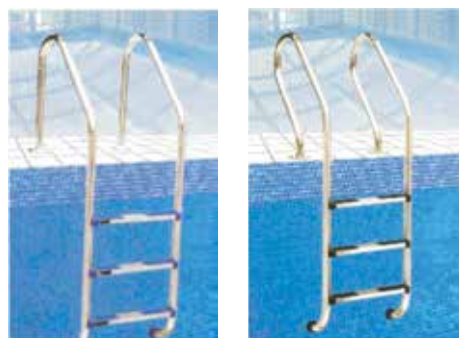


## Features

- Easy to install and safe to operate
- IP 68 protection
- Corrosion proof

## Pool Fitting Equipments

We offer a wide variety of fitting equipments that are essential & add to the aesthetics of the pool : Floor inlets, Ladder, Vacuum point, Main drain and Overflow grating.



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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