

Enjoy **Swimming!**

Rest will be
taken care of...



Flow Dynamics India™

Water & Wastewater Treatment Solutions,
Swimming Pool Building -A Technology Provider



Take the *plunge* of *happiness*

Jumping into a swimming pool is a wonderful experience! Make it even better with a dream pool, customized to your imagination and constructed with the latest technology and features.

Pools made with passion

Flow Dynamics India has already built more than 300 pools at various locations in India. We provide solutions for residential as well as commercial pools, currently totalling to over a million m³ of water every month. These figures are clear indication of how passionate we are about swimming pool design & construction.

We have built our reputation on the foundation of more than 12 years of experience in swimming pool system design & integration, installation, testing, commissioning, maintenance and operations. From consultation for your dream pool to fulfilling customer desires for a swimming oasis, when you dream it, we make it!

From the Founder's desk

INNOVATION & QUICK RESPONSE:

Key to high quality and value

Ever since our establishment in 2006, be it water treatment or pool design & construction, our motto is environmental protection. We maintain the spirit of "Pursuing Excellence, Enriching Lives", by thinking of modernization, thorough research and implementation of innovative technologies as the guiding forces for our business. This has brought recognition to our water solutions & products in India and overseas.

FDI believes sustainability begins at home, but its destiny is to engage the problems of the world. Hence, we plan to keep on building our company's infrastructure & leadership in resolving the most pressing problems with a spirit of fearless responsibility, not just for our own growth & benefit, but the collective path we create as a part of the human family.

Your Dream Our Design

No matter how complex
your pool idea, we are sure to
have a simple solution!

We have been offering many unique innovations like moving floors, indoor pools, pre-fabricated pools, fibre optic & LED lighting and a gamut of other materials to customize swimming pool lining. There are endless design possibilities when it comes to exclusivity of a pool.

Your Pool Our Reputation

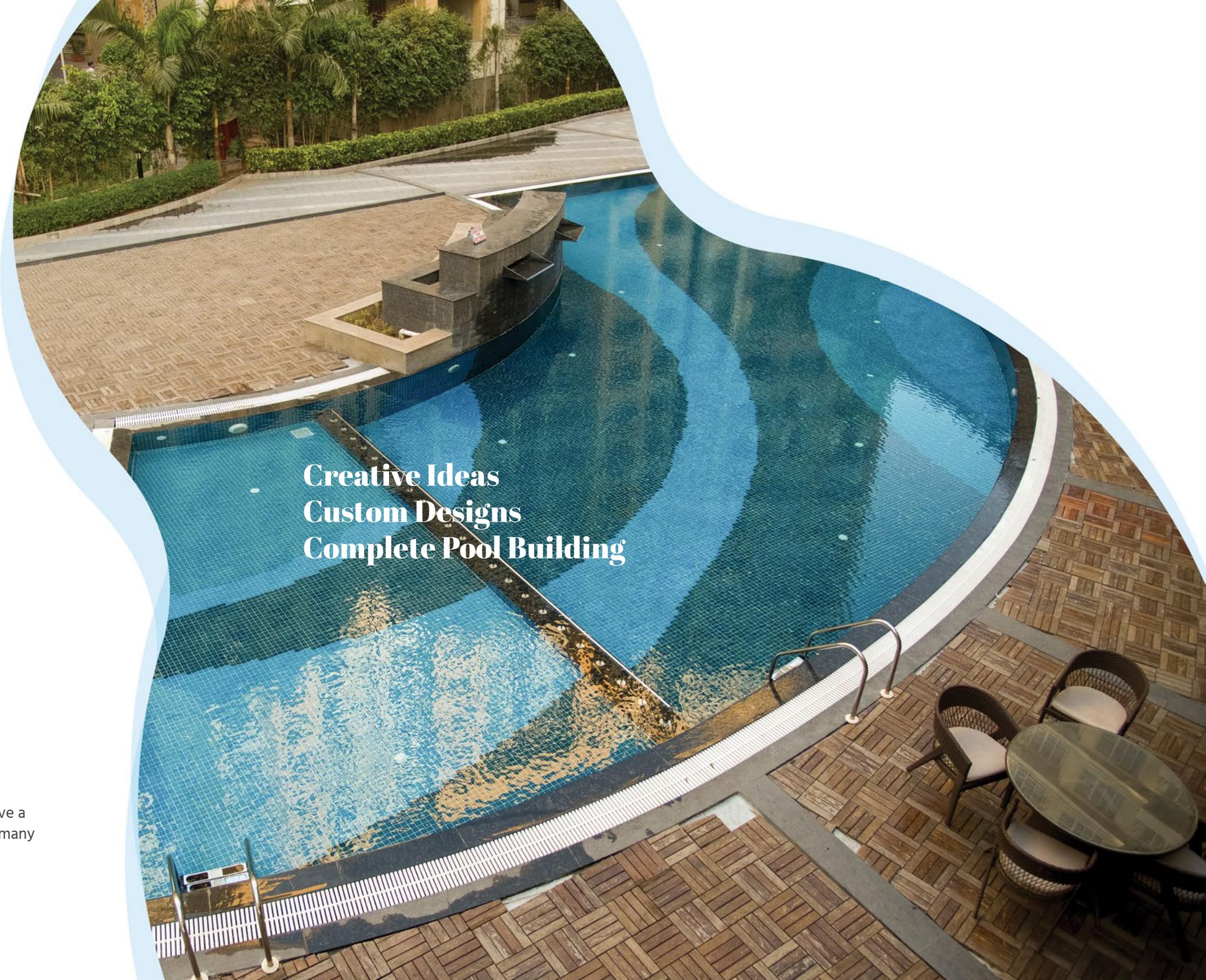
One of the pioneers in the industry, we have remained the most trusted & preferred pool professionals owing to our experience and expertise. Our engineers work closely with you to understand what your need is, regarding the size of the pool, preferred material, budget and time-frame. Our recommendations aim at offering a perfectly sized and stylized pool that meets all your expectations.

DESIGN AND CONSTRUCTION

Getting a pool is a big investment in terms of money as well as quality of life. FDI keeps the designing and building process simple and swift, so that maximum time is given to exactly meet your pool dreams. We listen closely to your ideas and then, customize your 'chilling' space which you can enjoy and proudly flaunt.

POOL REFURBISHMENT

Whether you need swimming pool installation, refurbishment, maintenance or repair, we have a team of highly skilled and qualified engineers who have been in the wet leisure industry for many years, and carry all the relevant accreditations to undertake the work.



**Creative Ideas
Custom Designs
Complete Pool Building**

Our Services

- Water Chemistry Analysis
- Treatment Methods and philosophy
- Providing guidance on FINA and WHO as well as International norms on swimming pool safety & water quality standards
- Sizing of processes, plants & equipment
- C-MEP Design & Detail Engineering
- Civil Layout preparation with plans & sectional details
- MEP Layout preparation, positioning all equipment locations
- Supervision of Civil Work and related services

Our Execution Stages

- Construction - Civil as well as pre-fabricated pools
- Inspection & Testing
- Supply & Installation
- Testing & Commissioning
- Operator Training
- Periodical analysis of water chemistry
- Trial Run
- 24x7 Operations and Maintenance



POOLS: *Systems & Engineering*

Be it a lap pool, eco-friendly pool with complete warranty or a stunning infinity pool, FDI innovatively engineers every pool type. Forget the worries of high costs or high maintenance; simply trust our system engineering & designs to get a swimming pool that is complete in every aspect.

Some standard design features are:

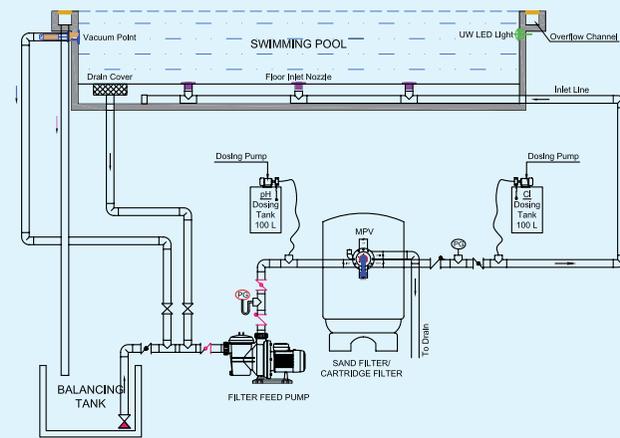
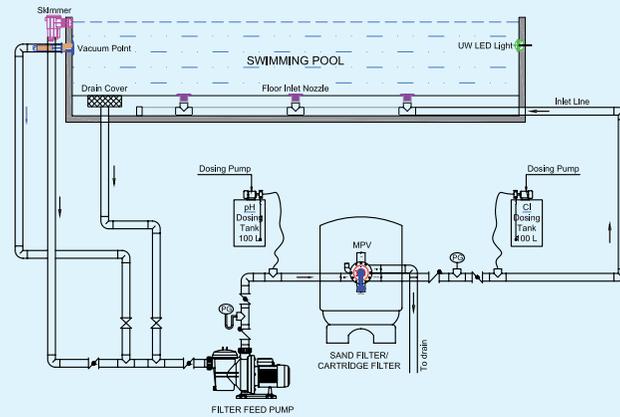
Filter | Pump | Multiport | Valve | Skimmer | Main Drain | Suction Nozzle | Inlet Nozzle | Suction Sweeper | Suction Hose | Cleaning Brush Ladder | Spring/ Diving board | Underwater light | Cable Conduit Junction Box (Deck Box) | Electrical Panel | Dosing Pump | Tank for Chemicals | Heat Pump | Regulation and Control Equipment



POOL Types

Skimmer Type

These have water outflow points located intermittently in the pool wall. The initial cost of installation is lower than the other type of pools but are limited to only small-sized pools with surface area less than 150 sq.mts.



Overflow Type

These type of pools have a continuous weir extending around the perimeter of the pool, assisting in the highest standard or circulation of water. But these are more expensive to build.

Wall Hanging Integral Filters (Pipeless Filters)

In case of small pools, pipeless filters can be used for filtration since they save the cost of plumbing, overflow channel and plant room.

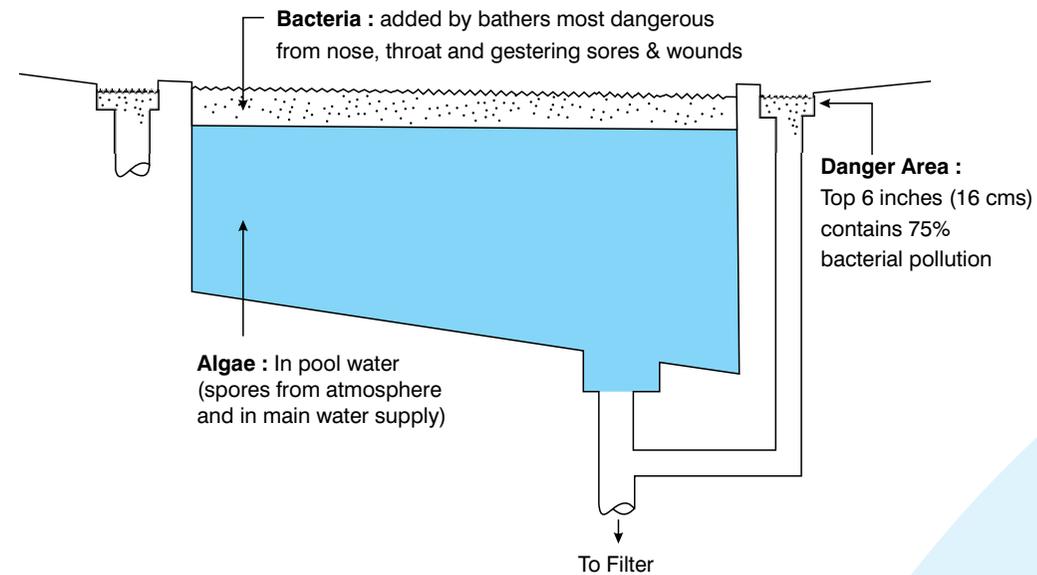


FDI has

- The widest range of [Pool Disinfections Systems](#)
- Most reliable selection of [Basin Fittings](#)
- A decade of experience in the heart of a pool – [Filtration Systems & Pumps](#)
- Designing and hydraulic engineering skills to build [Piping/Plumbing Systems](#) that conform to international standards
- An impressive range of [Pool Accessories](#) including Ladders, Diving Boards, Showers and more
- Best-in-market [Maintenance Accessories](#) like cleaning nets, brushes and fully automatic and remote controlled cleaners
- [Unique Lighting Solutions](#) for spotlighting, colours and reliable products for your peace of mind
- [Water Massage System \(Jacuzzi\) and Spa Products](#) to add an extra dimension to your pool
- Expertly designed [Pool Heating Systems](#) to reduce energy costs and improve pool experiences
- A variety of water-based [Fitness Equipment](#)

Biological Pollution of Swimming Pools

Living organisms which multiply rapidly in pool water, cause water to turn green and/or cloudy and soon make the pool unsafe for bathing if they are not treated effectively.



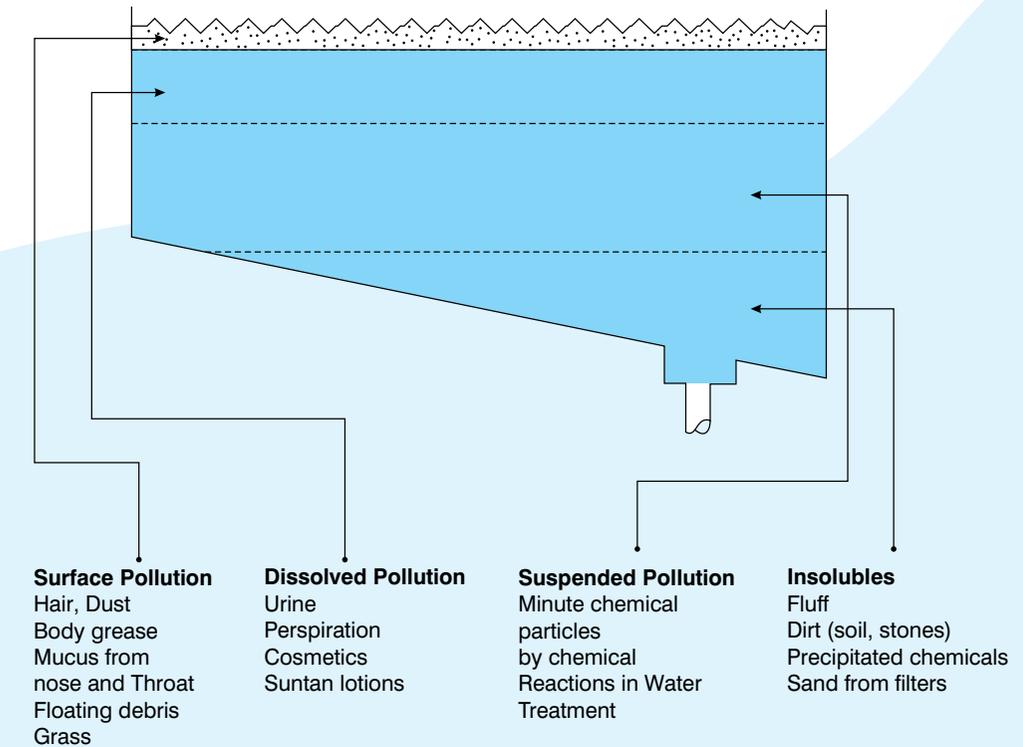
Pollution Areas

- Danger Zone** : The top 6 inches (16 cms) contain 75 per cent of bacterial pollution.
- Algae** : Arrives in pool water as spores from the atmosphere. Ozone is carried in from the main water supply.
- Bacteria** : Added by bathers - most dangerous from nose, throat bowel and bladder or from festering sores or wounds.

Methods of removal

- Maintain adequate Free Chlorine at all times. Free Chlorine will 'kill off' bacteria immediately and render the water safe for bathing.
- Provide an effective surface water draw off system.
- Maintain an efficient filtration system in a proper manner.
- UV and Ozone injection.

Physical and Chemical Pollution of Swimming Pools



Methods of removal

- Surface Pollution:**
- Remove surface water as soon as possible. Deck level pools are most efficient for this purpose, but other draw-off systems are also effective.
 - Add sufficient Chlorine to maintain adequate Free Chlorine residue at all times.
- Dissolved Pollution**
- Ensure adequate filtration cycle.
 - Add sufficient chlorine to 'break down' nitrogenous matter.
 - Provide adequate circulation and pool water turnover.
 - Ensure adequate dilution with fresh water.
- Suspended Pollution**
- Use minimum quantity of chemicals.
 - Maintain balanced water in pool.
 - Maintain careful control of pH and alkalinity.
 - Use chemicals which do not produce suspended solids.
- Deposited Pollution (Insolubles)**
- Sweep or vacuum pool floor daily.

Flow Dynamics India pool is innovatively engineered, eco-friendly and comes with unprecedented warranties. Ideal system engineering and design suggest use of following equipment to develop a swimming pool that is complete in all respects.

Pool Disinfection Systems

Having the correct level of sanitizer in a pool is a must. Flow Dynamics India's range of dosing and sanitizing units will automatically maintain the water at just the correct level of additives. We offer a wide range of solutions that can be used from the smallest home pool up to large corporate pools such as,

- Chlorine Dosing Mechanism
- UV System
- Ozone Generation System



Pool Basin Fittings

Flow Dynamics India's extensive experience in selection of basin fittings has allowed us to produce a range of innovative systems for the pool industry.



Pool Filtration & Pumps

The heart of any pool is its filtration system keeping the water clean and bright. Our filtration systems come directly from our factory, fully assembled, sized to suit your pool with a guaranteed performance complying with all the relevant standards.



Pool Surrounding Accessories

Complete your pool with our range of accessories including Ladders, Gratings, diving boards, showers etc.



Pool Maintenance Accessories

To aid in keeping the pool clean, we supply a range of cleaning equipment from simple nets and brushes to fully automatic and remote controlled cleaners.



Pool Lighting

Innovative and technological solutions with unique light effects. Flow Dynamics India offers a wide range of lighting / spotlights for all needs with different powers and colors, reliable LED or RGB products with various MOC available in the market, up to 4000 lumens.

Pool Heating Systems

Flow Dynamics India designs heating systems which can reduce the heating cost by installing an energy efficient swimming pool heat pump / heater with a scroll compressor and noiseless heating system. Using a cover on your pool can save on heating bills when the pool is not in use.



Water Massage System (Jacuzzi) And Spa Products

Add an extra dimension to your pool. At FDI, you will find special kits to build whirlpools, relaxing and bubbly air buds, cascades and fountains.



Fun with Fountains

Add a lovely display of cascading water to your pool or simply get a water feature to elevate your property. Installing water fountains amazingly liven up outdoors, and FDI excels in so many types of fountains that you are sure to find the one that perfectly suits your space.

[Cascade Jet](#)

[Bell Jet](#)

[Clear Jet](#)

[Tulip Jet](#)

[Foam Jet](#)

[Single Jet Water Feature](#)

[Rain Curtain](#)

[Waterfall](#)

[Mist Water Feature](#)

[Spout Fountain](#)



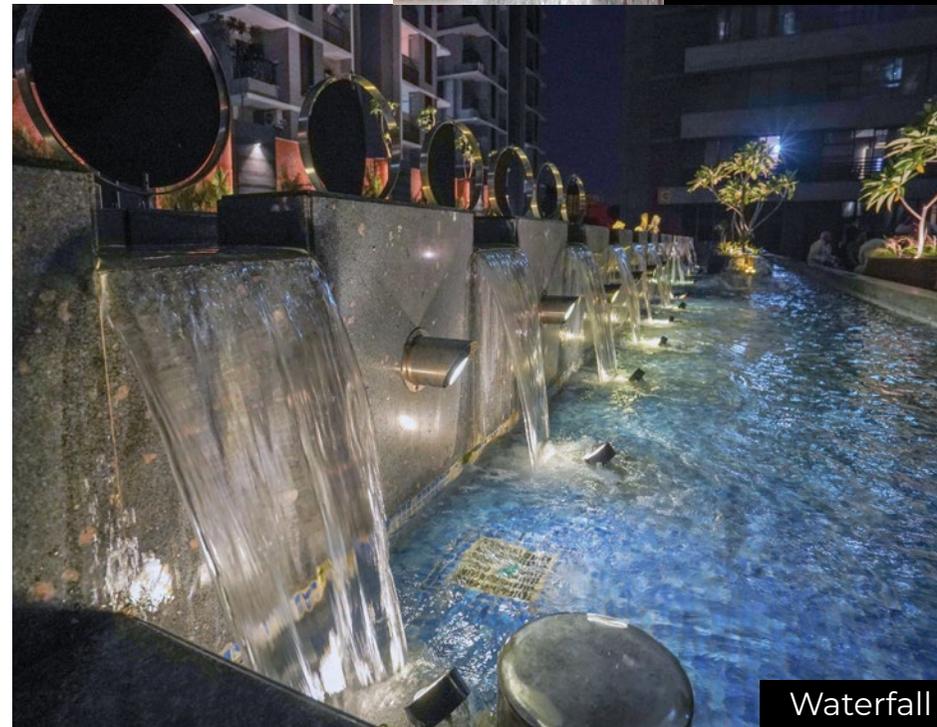
Rain Curtain



Foam Jet



Mist Water Feature



Waterfall



Cascade Jet



Clear Jet



Bell Jet



Single Jet Water Feature



Tulip Jet



Spout Fountain



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