



DIVE INTO

AQVASTAR

A COMPETENT PARTNER



QUICK START GUIDE 2023

www.aqvastar.in | www.aqvastar.sg



AQVASTAR filters are categorized as Media filters & Cartridge filters. In Media filters, we use Sand & gravel as media or use different grades of Glass as media. Media filters are categorized as Residential & Commercial filters. Residential filters comes with either Top mounted multiport valve or Side mounted multiport valve. The body is UV & corrosion resistant with a shell thickness of 6mm. These filters come with hydraulically balanced laterals, integral sight glass, manometer & air bleed apparatus.

These filters are rated for 2.5 BAR working pressure. We also have 4 BAR working pressure filters for project-specific & ordered exclusively for projects.



Residential filters come from 400mm till 1200mm in both TOP & SIDE mounted options. The Multiport valve enables to perform 6 functions.

This comes with 1.5" & 2" dia sizes.

Filters up to 700mm comes with 1.5" dia & from 800-1200 mm filters comes with 2" dia valves.

1000 & 1200mm are also available with 2.5" & 3" dia valves.



Commercial filters come with a valve battery for longer life & commercial handling. Valve battery shall be manual or automatic with actuators depends on project-specific requirements.

Commercial filters come with vertical & horizontal models. Vertical models come between 1200-2000mm dia & horizontal filters come between 1200-2000mm dia but with length up to 4000mm.

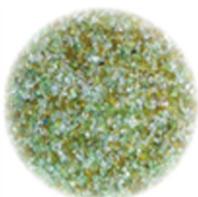
They are used for very large aquatic applications.



Cartridge or Multi cyclone filters are alternatives to media filters as they offer to save water by the way of no backwashing. Also very minimum quantity of water is required to clean back the cartridge. Multi cyclone filters never required a backwash, except draining of the collection chamber. The advantage of Multi cyclone is – no moving parts so absolutely no maintenance. Also highly suitable as a prefilter for media filter where filtration needed in highly dirty environments.

Cartridge filters come in 5 sizes from 25 sq ft to 150 sq ft filtration surface area selected depends on the requirements.

Multi cyclone comes in 2 models only & we use 33m³/hr model as standard suitable for all pumps up to 3 HP.



Glass media comes in Grade# 1 & Grade# 3. This is manufactured from recycled glass; it is an environmentally friendly and viable alternative to sand. Plus it offers finer filtration than sand. Also the degradation is slower and it therefore has a longer life span

Grade# 1 is of 0.5 to 1.0mm glass & Grade# 3 is of 3.0-6.0mm glass. These media are made in the UK & imported in a 20 Kg bag.



AQVASTAR Heat pumps are categorized as Residential & commercial models. Residential models are of Single phase & also comes with side fans in general. We will also be getting top fans for special requests. Commercial models are of three-phase & also comes with top fans & a large evaporator coil. These heat pumps come with a Titanium heat exchanger, Wifi control module, Quick union connections, all possible electrical support provisions inbuilt, flow switch, thermostat, gauges for refrigerant indication. These heat pumps are designed to install outdoor as per installation recommendations.

AQVASTAR recommends speaking to us while selecting heat pumps to ensure that our experience & knowledge been with your selections & make sure technically 7 commercially correct models have been selected.



AQVASTAR makes selections for each site keeping the following conditions in mind.

- Type of pool
- Location of site
- Usage of a pool cover or not
- Pool surrounding
- Temperature conditions in winter
- Wind conditions
- Activity in pool

Also, AQVASTAR insists contractor/customer to share the installation location photo for approval to honour our product warranty. Also, a photo has been asked to share after installation to ensure that the approval been maintained & installed accordingly. AQVASTAR maintains a warranty only if the above conditions are met. Also, we don't offer a warranty for the product if selection details have been not shared.



AQVASTAR is the FIRST Indian company that introduced INVERTOR model heat pumps in India

& has several references. The selection to installation methods changes with invertors. AQVASTAR with the experiment in the pool industry guides the client to choose appropriate models. Also pool cover is a mandatory requirement for Invertor models & without cover, Invertor pumps does not have any warranty.



PAHLEN electrical heaters are one of the new products been added by Aqvastar in the Indian Territory. These heaters come with modified electrical circuits to suit Indian electrical conditions.

PAHLEN heaters starts from 3 KW to 18KW for residential & semi-commercial applications & 24 KW – 72 KW for commercial applications.

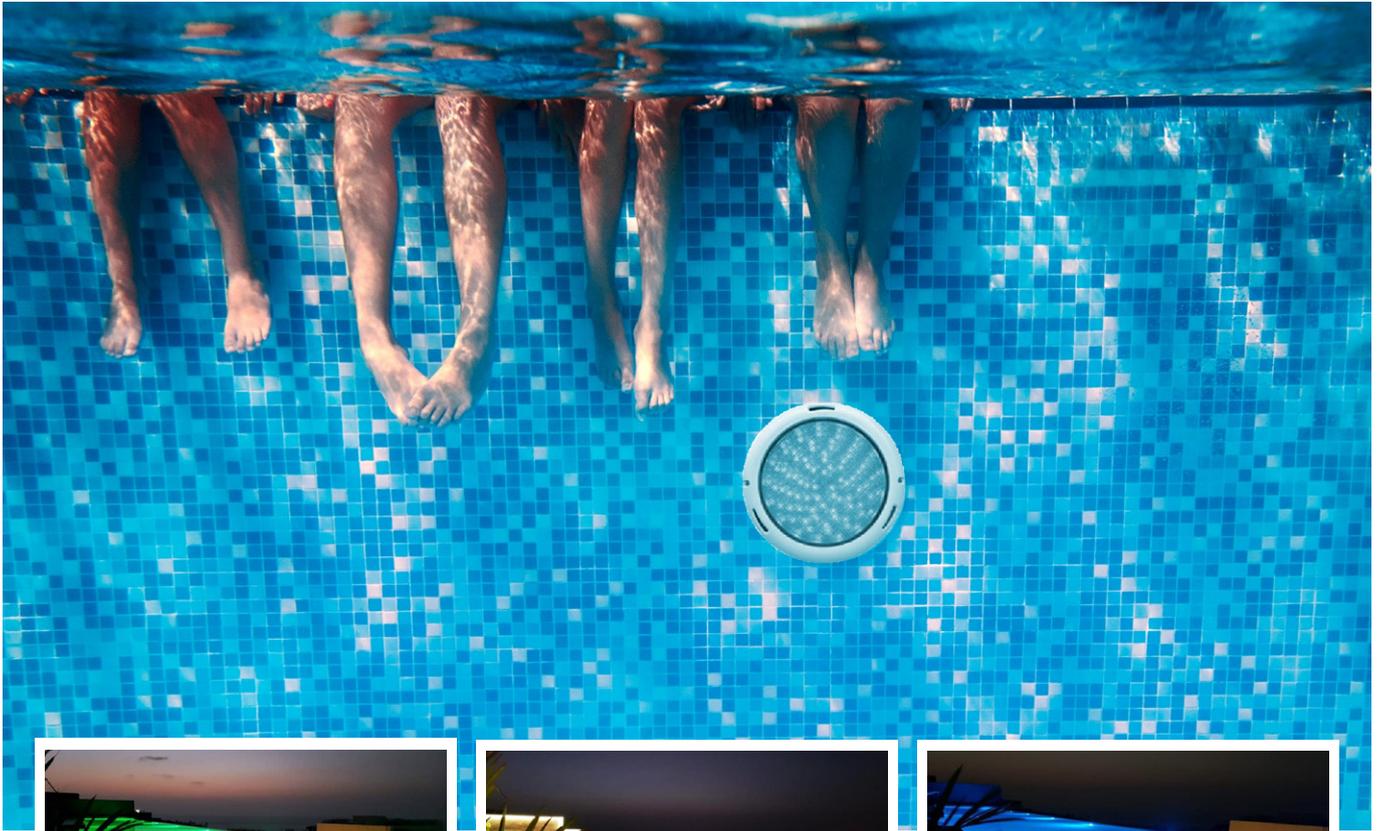


Photo courtesy: Aqvastar's specialist pool contractors installed in various part of India.

LIGHTS

Swimming pools, fountains, and ponds can also appear in a fantastic glow at night. Aqvastar ensures the effective lighting and illumination of both pool & water features. SLEEK design SMART LED lights reduce energy costs effectively and come with long-term. They thus create a wonderful atmosphere with incomparable moods and preserve resources.

Aqvastar has a variety of lights starting from Wall mounted- Economy, Wall mounted Sleek, Niche mounted for better finish, Ring mounted for fountain nozzles. Also has a variety in wattages, starting from 1 W to 60 Watts in range. Also has a variety of ABS to SS316 in MOC. The installation photos justify the quality of effects the client could achieve at their pool.





Photo courtesy: Aqvastar's specialist pool contractors installed in various part of India.

Pool Cover & Rollers/ Automatic Pool Cover

AQVASTAR working with ABRIBLUE has been the French specialist in pool safety covers for over 25 years.

Abribleue has over 122,000 covers installed in France as well as in 52 other countries proves the unequalled experience in safety cover design and production.

Aqvastar in India has 13 Installation references (out beaten competition with the references)

The passion of our teams is put at the service of quality at all levels, for the satisfaction of our professional clients and the end users.

ABRIBLUE offers French quality in a wide choice of models adapted to any pool configuration and any budget. Above-ground or immersed covers, standard or to-measure, fixed or mobile, manual, electric, or solar operation... Always compliant with the French NF P 90-308 pool safety standard, the strictest in the world, and often in excess of this standard's requirements.

Innovation is one of the main driving forces behind ABRIBLUE growth. The permanent quest for technical and practical solutions designed to offer user's ever increasing comfort makes ABRIBLUE covers unique and adaptable to almost all pools, from the simplest to the most complex, including the most extreme configurations. The patented WING System® innovation, or the exclusive ABRIBLUE Non'Co® corrosion guarantee feature amongst the innovations that have revolutionized this market.

Aqvastar also markets GEO BUBBLE plastic covers with SS rollers to cover pools where the automatic option is unviable to clients. These covers are imported from Plastipack, UK.

Aqvastar is the only company that imports directly from the manufacturing facility & keeps stocks of 500 micron thick covers of 4,5,6,6.5 MTR wide covers with a length of 50mtr. Any size covers were cut & given. Hemming also possible if required at extra cost.

Also, the rollers are very sturdy to hold a maximum length of 30mtr long. Special rollers could be made available to hold up to 50mtr cover for Olympic pools.

Sanitation / Water treatment

AQVASTAR working with Blue Lagoon, one of the leaders in UV manufacturing the Netherlands.

UV-C technology is a safe and sustainable way to treat pool water. By using UV light to disinfect your water it is safe to use because there is no disinfection by-products, in contrast to a lot of chemical disinfectants. Another plus is that it isn't possible to overdose UV-C light.



Most domestic pools use chemical disinfectants like chlorine to kill the micro-organisms that are a risk for the health of the swimmer. The use of these chemicals makes sure that most micro-organisms are killed. Unfortunately, they are also the cause of the most issues for bathers (eye, skin irritation, breathing difficulties) and have a big negative effect on the materials the pool is built with.

Exposing the water to Ultraviolet (UV-C) light is the most effective sanitizing method to destroy micro-organisms in domestic pools up to 99.9%. Therefore, a UV pool system can reduce the amount of concentrated chlorine by 50-80%. So it's not only good for the people who use the pool, it also brings down the maintenance (time & costs) while materials are affected a lot less.

Various options are available with Blue lagoon & it starts from the TECH model which comes an economic model. Blue lagoon Timer is equipped with an integrated timer that accurately monitors the number of operating hours. This helps to know exactly when the lamp must be replaced. This feature not available in TECH models.

We also promote ozone and UV-C, integrated models. This smartly designed disinfection system ensures fresh and healthy pool water with the possibility of providing a minimum use of chlorine.



There is also a new product called Copper Ionizer which is a revolutionary combination of UV-C and copper electrolysis in one unit, able to reduce combined chlorine (chloramines) up to 100%!

Aqvastar also promotes Commercial UVs for Olympic pool & semi Olympic pool volumes.

For economical projects, Aqvastar also promotes Plastic body UV from EVO aqua, UK. They have from 15 W to 220 W to suit different volumes of pools.

To add chlorine to compliment with UV system we also promote chlorine feeder & dosing pumps.



AQVASTAR offers a complete range of valves in PVC-U (manual and automatic).

Every valve is hydro-tested against leakage in the factory. Valves are available in accordance with different standards (DIN / ASTM ...) to meet the requirements of different kinds of pipes.

In India, we have Grey colour UPVC pipe which is IS 4197 standard and White colour pipe which is ASTM standards & also half white CPVC pipe which is also ASTM standards.

Different end connections are required to suit different kinds of pipes. To meet that Aqvastar keeps valves with end connections to match these pipes.



Aqvastar valves are Ball valves (single & double union), Check valves (Single & double union), Butterfly valves, Flap check valves. Also, Aqvastar stocks flange adaptors to suit respective butterfly valves & flap check valves.

The sizes available are 25mm to 90mm in union end connections, 75mm to 200mm in flange end connections. The valves are rated for 10 BAR pressure rating which is more than sufficient for any swimming pool applications. Also, Aqvastar can provide 16 BAR pressure-rated valves for Irrigation on request.

Aqvastar also working with PIMTAS, a Turkey-based UPVC valve manufacturer to compete in special projects.



Photo courtesy: Aqvastar's specialist pool contractors installed in various part of India.

AQVASTAR offers an entire set of equipments required to keep the pool clean.

This could be for manual cleaning or robotic.

Aqvastar ensures all range of products available for cleaning which will ensure clean and safe water throughout the swimming season. The below details are important for routine pool maintenance.

Aqvastar deep & flat nets are used for skimming the surface of the pool takes just a few minutes and keeps water looking crystal clear. If the debris skimmed off regularly from the top of the water it never has a chance to dirty the bottom of the pool or clog up the filtration system. Aqvastar recommends a long-handled Pole to gather up leaves, insects and any other debris floating on the surface of the pool.

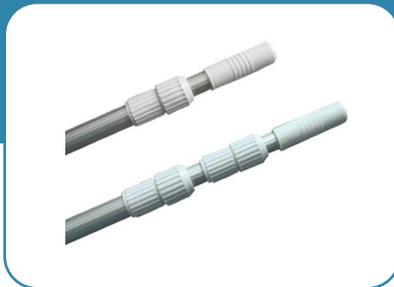
Algae and other debris can gather on the walls of the pool. Also lights surface & ladders can gather. Aqvastar recommends wall brush in Plastic & Stainless steel to brush the pool walls and fixtures periodically to remove dirt and prevent the spread of algae.



Any sediment or algae which have been brushed from the walls or floor could be vacuumed up, along with any other debris that has floated to the bottom of the pool.

Aqvastar recommends testing kits to ensure pool quality is maintained to standards. Test your pool water frequently (daily or weekly depending on use) and add chemicals as necessary, following the manufacturer's directions.

Chemicals are typically added to the pool daily. These pool chemicals include various kinds of disinfectants and sanitizers which work to control the growth of certain kinds of algae and bacteria in the pool water.



In Automatic or Robotic pool cleaner range, Aqvastar works with Hayward.

This works automatically to clean the pool wall & floor. This is very handy for pools on the terrace & inside the house where pool owners want limited maintenance entry.





Pool basin fittings / Spa fittings: Aqvastar has a selection of hydraulic management white good products namely skimmers, drains, pool fittings, Spa fittings, and accessory devices to maintain pool/ Jacuzzi or spa or water features.

Each product has been carefully selected with the suitable flow, pipe connection, safety parameter etc.



Also different patterns of pool fittings made available to ensure that most of the architects' choices been fulfilled. Aqvastar ensured that all these fittings are made available to fit into locally available pipes which are of different standards.

Aqvastar also ensured that different colour possibilities of these fittings made available on request from international markets.



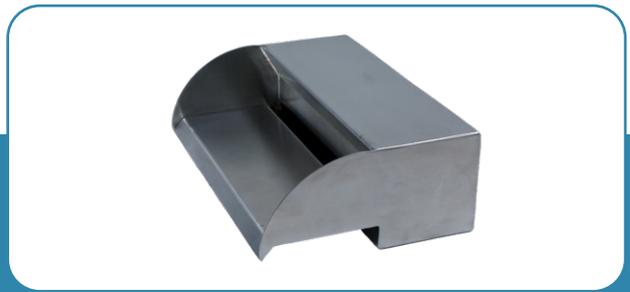
Pool inlets: Wall mounted / floor mounted with different top & bottom finishes.

Suction inlets: Different shaped/ flow parameter fittings are available to suit different sizes of the pool. Circular / rectangular main drains, vacuum points

Skimmers: To have top water skimming different skimmers have been used.

Pool levellers: To maintain pool water level in skimmer pool the product been used.

SPA fittings: Various fixtures are involved as a set of SPA fittings. Every SPA needs all these fittings to ensure the SPA functions as per standards. The fittings are Jacuzzi nozzles, Wall drains, Air controllers, Pushbuttons, Pneumatic switches, Air tubes, Mini skimmers, etc. Aqvastar ensured all products are made available with SS316 fixtures & the client is architect particular about SS finish in pools



Water feature:

AQVASTAR is proud to be the leading product supplier for various kinds of waterfalls & water feature effects. Aqvastar offers a beautiful addition to any new or remodel pool or water feature. The models starting from clear falling sheet of water, rain curtain effect, trickling effect, for different shape & size of pools & water features.

Aqvastar waterfalls are available in two different materials. Acrylic models with integrated lights from 300mm to 1200mm wide falls, SS with or without integrated illuminations in any possible sizes.



Aqvastar water cannons are also available in various models & shapes which gives various water effects all these models are made of SS316. Aqvastar also ensures that various counter current options are made available from their customers with different material & design combinations.

Aqvastar recommends suitable pumps & flow conditions in achieving correct effect

for different projects. Aqvastar believes that there is no limit to water feature design with this timeless waterfall collection & ideas of the team.



Photo courtesy: Aqvastar's specialist pool contractors installed in various part of India.



Competition equipments:

AQVASTAR offers competitive swim training equipment and products for individuals, swim teams, and swimming pool facilities. This includes competitor and Anti-Wave swim racing lane lines, different sizes of starting block, false start flags, backstroke flags, Anti-Wave racing lanes are completely assembled with UV-resistant polyethylene discs and floats threaded onto an uncoated stainless steel cable.

An extensive selection of equipment for your pool deck and surrounding surfaces, including grab rails and hand rails, steps, ladders, lane rollers, lifeguard chairs, and diving boards are made available.



Ladders:

AQVASTAR offers 5 major types of Ladders basically used to access pools. Different types of pools are offered with different designs so that the shape of the ladder matches the pool type efficiently for the swimmers to access. It is made of SS404 (SS316 on request) material with 42mm dia pipes. 42mm is the international standard dimension so that swimmers could hold tightly.

Also, it is available from 2 steps to 5 steps as standard, any odd size are available against project-specific.





Nozzles:

AQVASTAR offers a variety of fountain nozzles to create various imaginary effects. With the experience the team has in designing appropriate hydraulic details, Aqvastar leads in the industry with the skills.

Various projects executed by Aqvastar partner contractor uses the knowledge Aqvastar acquired in the last 3+ decades.

The effects of installed projects by our contractors shown here would vouch for genuineness of the above lines.



Nozzles starting from simple models like Cascade, foam, Bell, Clear stream, Hollow to complicated designs like Laminar jet, Interactive jets, complicated water feature effects.

Different sizes of nozzles available to achieve various performances of the fountains.

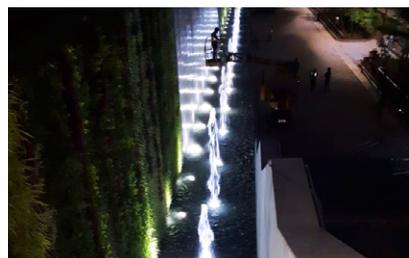


Photo courtesy: Aqvastar's specialist pool contractors installed in various part of India.

AQVASTAR EUROPA:

AQVASTAR has parallel product ranges coming from a European country for project-specific/ customer-specific. In recent years Aqvastar was cornered by competition with wrong claims.

Aqvastar taken this as an opportunity & got ventured out from European manufacturers & taken those products into their portfolio & started marketing the EUROPA range also.

Aqvastar has

- Blow - moulded filter
- High quality European pumps
- 5 Year warranty LED lights (with limited variations in wattages)
- SS316 Ladders



All the above comes from Europe as Aqvastar Europa.

Apart from this Aqvastar works jointly with

- Blue Lagoon** - Netherlands for UV systems (UV, UV Ozone, Commercial UV, Ionizer, etc)
 - Abriblue** - France for Automatic pool covers (Above deck, submerged models), Salt chlorinators, Pool automation system
 - Plastipak** - UK for Geobubble manual pool covers (4, 5, 6, 6.5 mtr wide, 500 micron covers)
 - Espiroflex** - Spain for Pool hoses, Flexible pipes for jacuzzi
 - Waterco** - UK for Glass Media, Multicyclone filters
 - Magen** - Israel for Salt chlorinators
 - ANTI** - Australia for FINA approved Competition equipments
 - Pahlen** - Sweden for High quality SS counter current systems
 - RPI Industries** - Portugal for readymade Liner pools
- Also with **Hayward** - USA, **Harvia** - Finland, **Pool biking** - Spain

AQVASTAR CONSULTANCY:

AQVASTAR design water features.

We create experiences with water and its effects.

Our work forms part of architectural and landscaping projects across the country.

For over 3 decades, the management of Aqvastar transformed given spaces with aesthetic impact of water.

Our collective expertise covers the entire spectrum – from traditional water feature fountains to specialised digital curtain effects.

Aqvastar collaborate with acclaimed architects, landscape architects, and engineers who value our multidisciplinary approach to achieve design excellence.

Team Aqvastar compliments with its knowledge in your projects as water consultant

DESIGN

Preparing technical design intend in relation with reference Drawings

DETAILING

Detailed technical design and specification services for MEP consultants, Architects & Builders

SUPPLY

High quality product supply to compliments the design intend & detailing to achieve the desired effects of Architect & client

INDUSTRY

Swimming pool/ Water feature/ Irrigation





"achievements explains our quality"

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