HYDRAMATIC

The Standard in Automatic Pool Covers



AQUA MATIC COVER SYSTEMS

World Leaders in Automatic Pool Covers

Choose Aquamatic Cover Systems

Only the best will do when designing your Backyard Oasis.

At **Aquamatic** we have dedicated years of investment to give you the ultimate system at an affordable price.

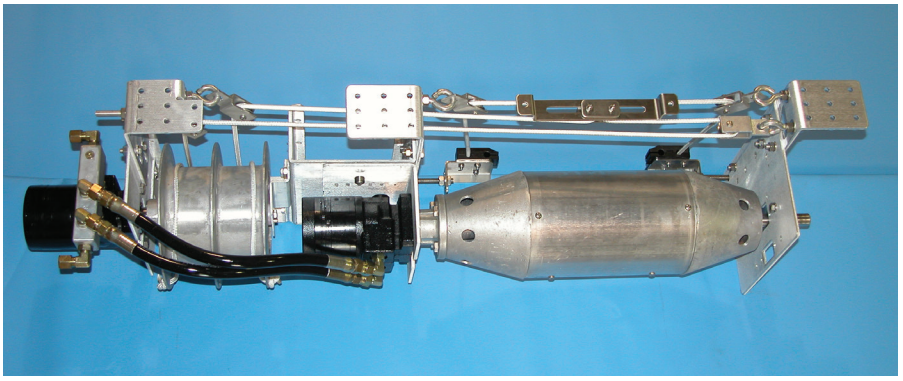






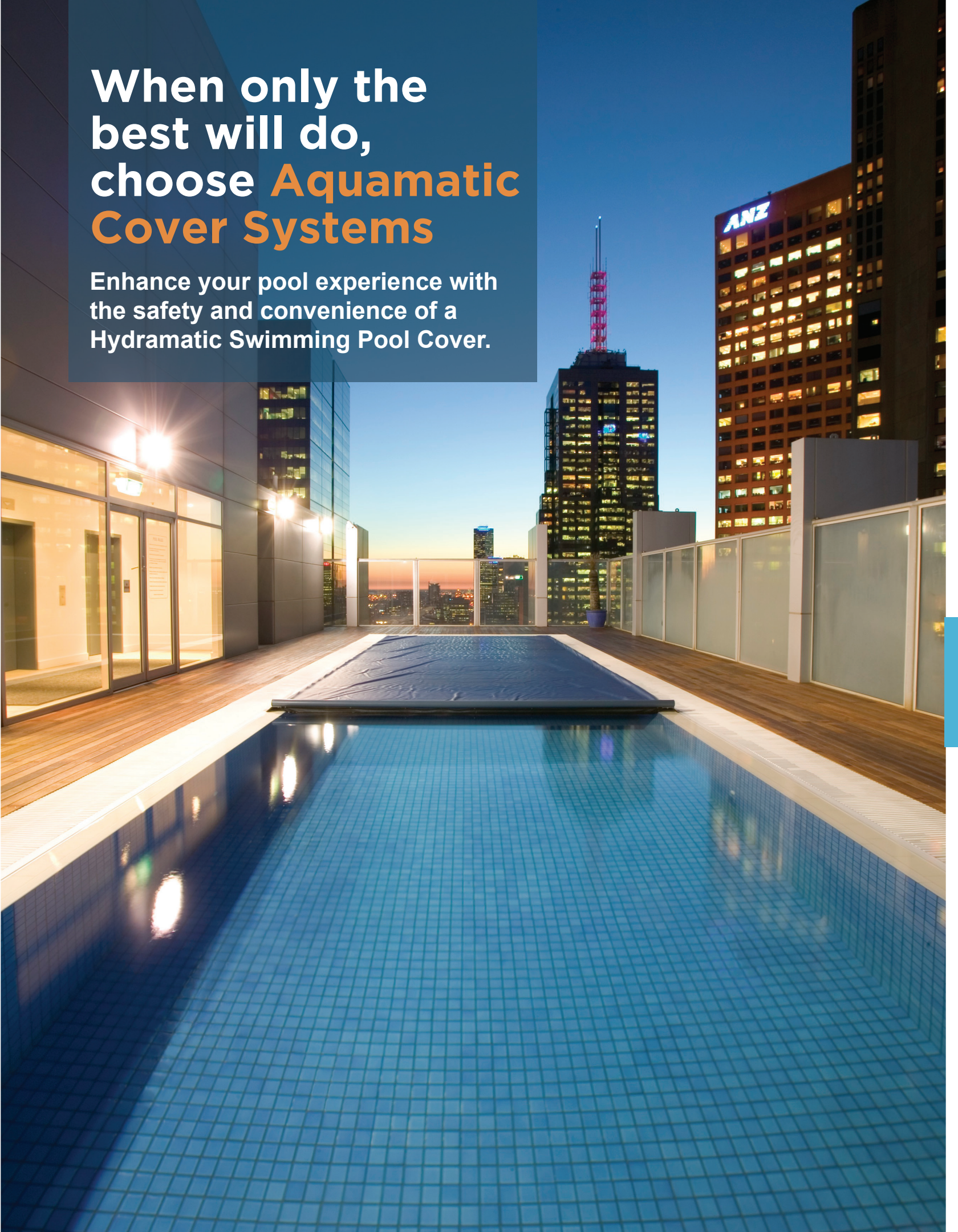
On the surface, most pool covers look similar ... but the most important part of any pool cover is the mechanism.

The Patented mechanism of the **HYDRAMATIC** represents the best value for your durable investment. Designed to last the lifetime of your pool, the **Hydramatic** mechanism is maintenance free, requires no lubrication, and is the most reliable cover on the market with the most extensive warranty in the industry today...



20 YEARS
Drive Warranty

7 YEARS
Fabric Warranty



When only the best will do, choose Aquamatic Cover Systems

Enhance your pool experience with the safety and convenience of a Hydramatic Swimming Pool Cover.



See why pool professionals, architects, and designers have made the **Hydramatic the top selling hydraulic pool cover worldwide.**

- ✓ **Unique all-fluid dual drive is waterproof**
- ✓ **No electrics near the pool, the powerpack (pump) can be placed up to 150 ft away**
- ✓ **Quick and easy to open - travels about one foot per second on average**
- ✓ **Patented trouble free Leading Edge slider system and cable compensating device**
- ✓ **Built-in pressure relief valves prevent over travel**
- ✓ **Rainwater Removal feature built-in on most covers**
- ✓ **Installation on most pool types and shapes**
- ✓ **Saves money on chemicals, energy, and water loss from evaporation**
- ✓ **20 year limited warranty on the mechanism**
- ✓ **7 year limited warranty on the cover fabric**

Lift-Lid Another Aquamatic Exclusive...



The Lift Lid is a uniquely engineered lid system that hides the lowered bond beam; as well as, the leading edge bar of the cover. It rests solidly on the lowered bond beam providing a completely stable, zero deflection walking surface that incorporates your pool coping or decking surround. The cover vinyl is sandwiched between two nylon rails which also acts as a water stop and blocks virtually all pool water from splashing into the cover recess. The Lift Lid is hydraulically actuated, and with a turn of a key, once it is raised, the cover will open or close seamlessly. When the cover reaches its maximum endpoints, or any time the key is released, the Lift Lid will slowly drop to its fixed position, once again, providing a solid and safe walking surface.

• Ideal for any pool application, especially when the cover is located at the entry point of the pool.

.• Modular in design, the lid sections can be removed individually for access to the cover recess



For more information, or design specifications, contact your local representative or Aquamatic Cover Systems.



Lift Lid is ideal for any pool application, especially when the cover is located at the entry point of the pool.



Modular in design, the lid sections can be removed individually for access to the cover recess.

Recessed with Masonry Lid



With our Walk on Lid Components, you can blend with the hardscape to achieve a completely hidden lid detail.

We have specially designed heavy duty stainless steel trays and brackets, or stainless steel brackets and retaining clips to provide you with the hardware for your specialized hidden lid detail. Aquamatic uses only 300 series stainless steel on all pan, bracket or clip applications. Beyond the standard size components, Aquamatic can fabricate custom sizes for your special application requirements.





Under track with Royal Blue Cover and Walk on Lid

Recessed with Masonry Lid

The pans are specifically designed to carry and support masonry material including non-standard or undulating thickness like flagstone, brick or pavers.

As an alternative, the stainless steel bracket and retaining clip can be used with any precast or poured in place component.

***Note: Stone Lid component must not be thicker than the coping on the track side of the pool.**



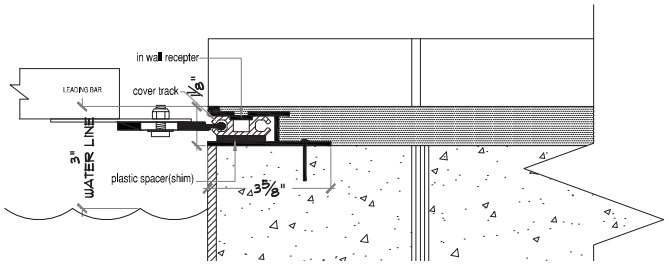
Inwall undertrack with matching Walk on Lid

Recessed with In-Wall Tracks



Encapsulated “Inwall” track receptors offer the builder/designer the freedom to use any coping detail without having to maintain a minimum thickness and cantilever requirement. These components are preferred with raised bond beams or where the coping is undulating or is a non-standard thickness. Another ideal application is on spa / swim spa installation. By eliminating the cantilever on a traditional undertrack, it will make for a more comfortable bathing experience without having a protruding coping against your seating area.





Composite & Aluminum Lids



Under Track with a Light Blue Cover and White Composite Lid



Inwall Track with Light Gray Composite Lid



Inwall Track with Aluminum Lid

Compact Drive for Swim Spas & Small Pools



Another industry first, our Compact Drive is designed for both recessed and retrofit applications.



On the deck mounted Compact Drive, the offset only requires 9” of clearance on both ends from outside of tracks.





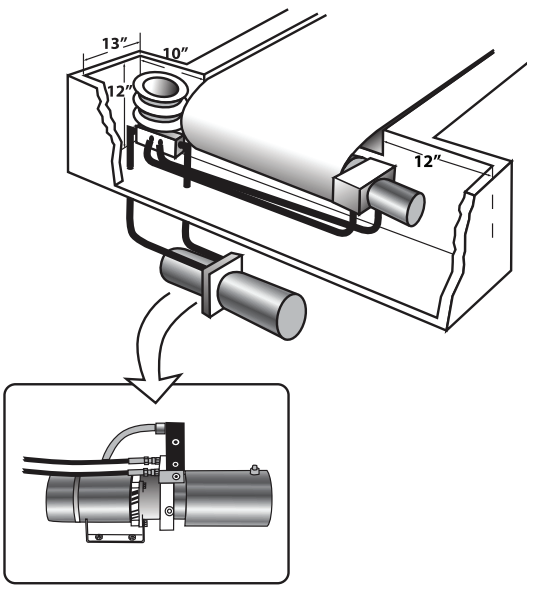
Compact drive on Swim Spa with Gray cover and Low Profile Leading Edge.

Compact Drive for Swim Spas & Small Pools



Initially designed for the swim spa application where the goal was to make the cover system proportional to the reduced size of the vessel. It is now ready for all types of pool/spa construction.

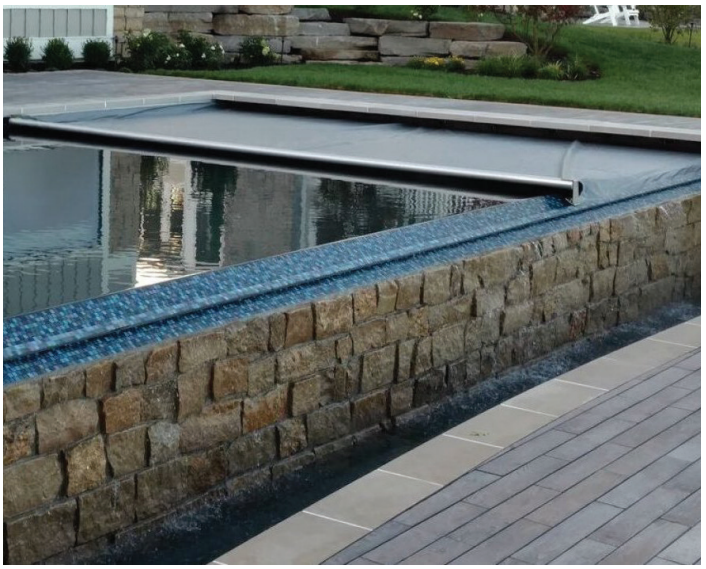
The mechanism now requires only a 12” (past waterline) offset on both ends of the mechanism housing. This addresses the aesthetics by equaling the offsets, and allows for better coping layout to accentuate symmetry around the pool/spa edge. Additionally, if you have minimal clearance, this unit addresses this challenge.



The Compact Drive is ideal for small to medium sized pools. For larger pools we can offer our standard Hydramatic in a split drive with an equal offset of 20” per side beyond waterline.

This Compact Drive utilizes Aquamatic proven dual motor hydraulic technology assuring you of the reliability and durability typical of our Hydramatic hydraulic drive system. It is also supported by the same 20 year limited mechanism warranty. Limited to a maximum pool size of 12’ x 24’.

Special Applications





You are only limited by your imagination.

Vanishing Edges, Free form
Under Track, Multiple cover applications.

Submitting your ideas to us early in the design process assures the most aesthetically pleasing application available to you.







Special Application Covers



A pool in a pool creates a picture frame around a freeform shape.





Stepped decks are ideal for deck mounted tracks and provide a clean cover recess while allowing the lead bar to rest against or tuck under the lid detail.

Special Application Covers

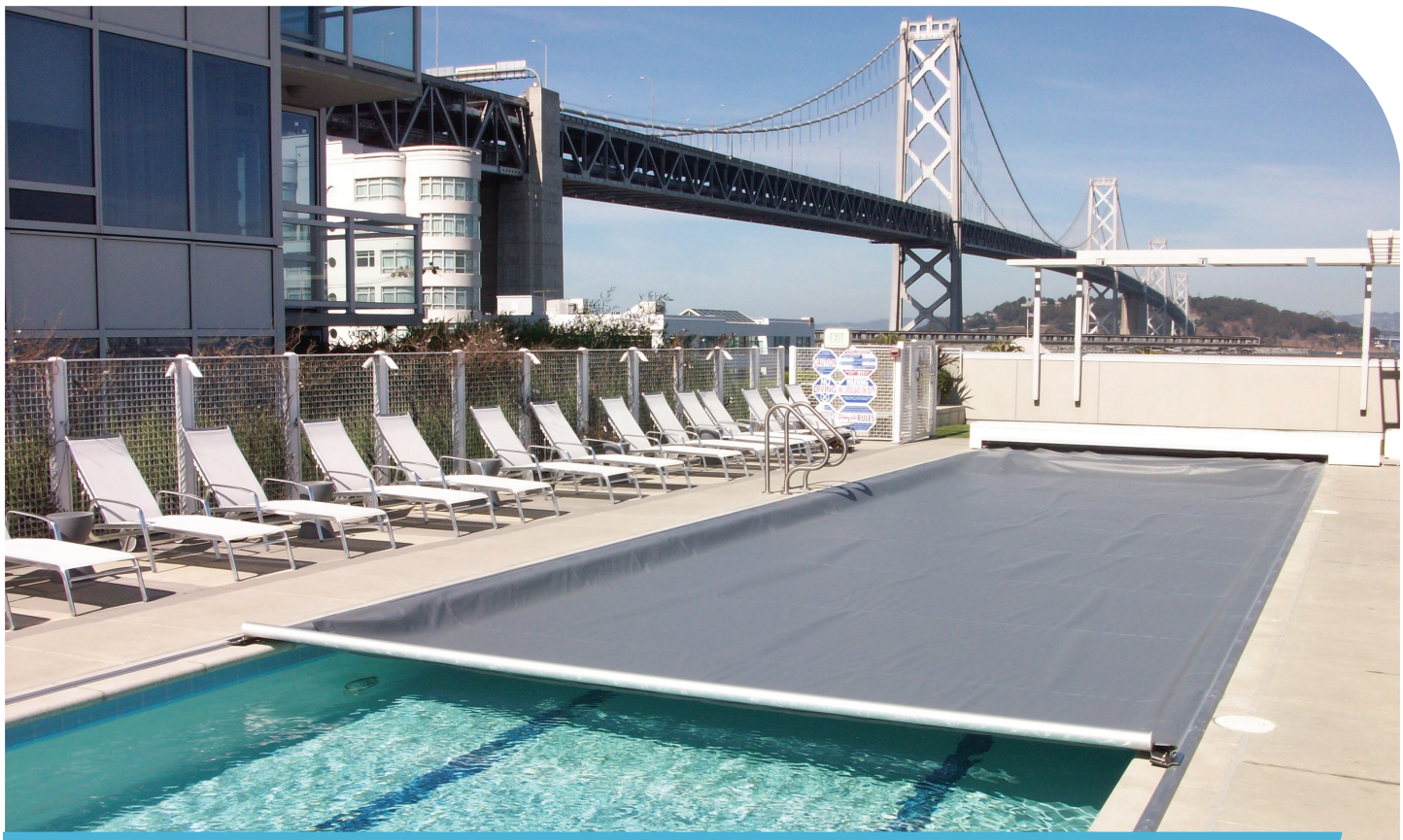




Flushtracks, ideal on gutter, zero edge or perimeter overflow pools. The track is placed just outside the gutter or edge.



Commercial Pool Applications



Commercial applications, ideal with rising energy costs, see their return on investment within a very short time by realizing savings through reduction of equipment operating time, water and chemical consumption and heat retention from elimination of evaporation.

Our engineering partnered with your imagination...

... enables us to provide automation on your most unique swimming pool designs.



Fiberglass and Vinyl Liner Pools





At **Aquamatic** we have developed a number of track extrusions to accommodate the installation of the cover on both liner and fiberglass pool kits. For liner pools we have an easy-to-assemble sectional recess for the mechanism. For fiberglass pools we also have a prefab one piece fiberglass recess available.



Top Track with Composite Bench



Another Aquamatic first

Our Patented Composite Polymer Bench is available in 6 decorator colors and the structural design is sturdy enough to double as seating area. The unique molded process injects color and UV inhibitors throughout the entire panel to sure the panels never fade. The bench enclosure is maintenance free and all Polymer panels carry a 10 year limited warranty.





Solar Hydramatic

Another Aquamatic exclusive, the solar Hydramatic is ideal on retrofit installations where running electrical or a hose chase can be challenging due to existing decking, landscaping, and overall distance back to the equipment pad. No concrete cutting or electrical is required.

Fully self-contained for quick and easy installation. Ideal for the DIY pool owner. The DC hydraulic power pack is located within the bench enclosure, and also includes a battery for storage. As a backup, we also include within the system a battery charger if extended periods of inclement weather prevent the solar from charging.

The bench enclosure can be manufactured with the solar power unit on one side, and the hydraulic drive module on the other for symmetry, or you can have both the power unit and drive module in the same extension. Another option is to have the separate enclosure placed behind the main bench. For layout, the symmetrical offsets are min 24” on the drive module and 30” on the solar power unit end. (This can be either side to whatever works best for your installation). If keeping both the hydraulic drive module and solar power unit in the same extension, you will need approximately 55” with the non-drive reducing down to 8”. These dimensions are from the outside edge of the tracks.









Gallery





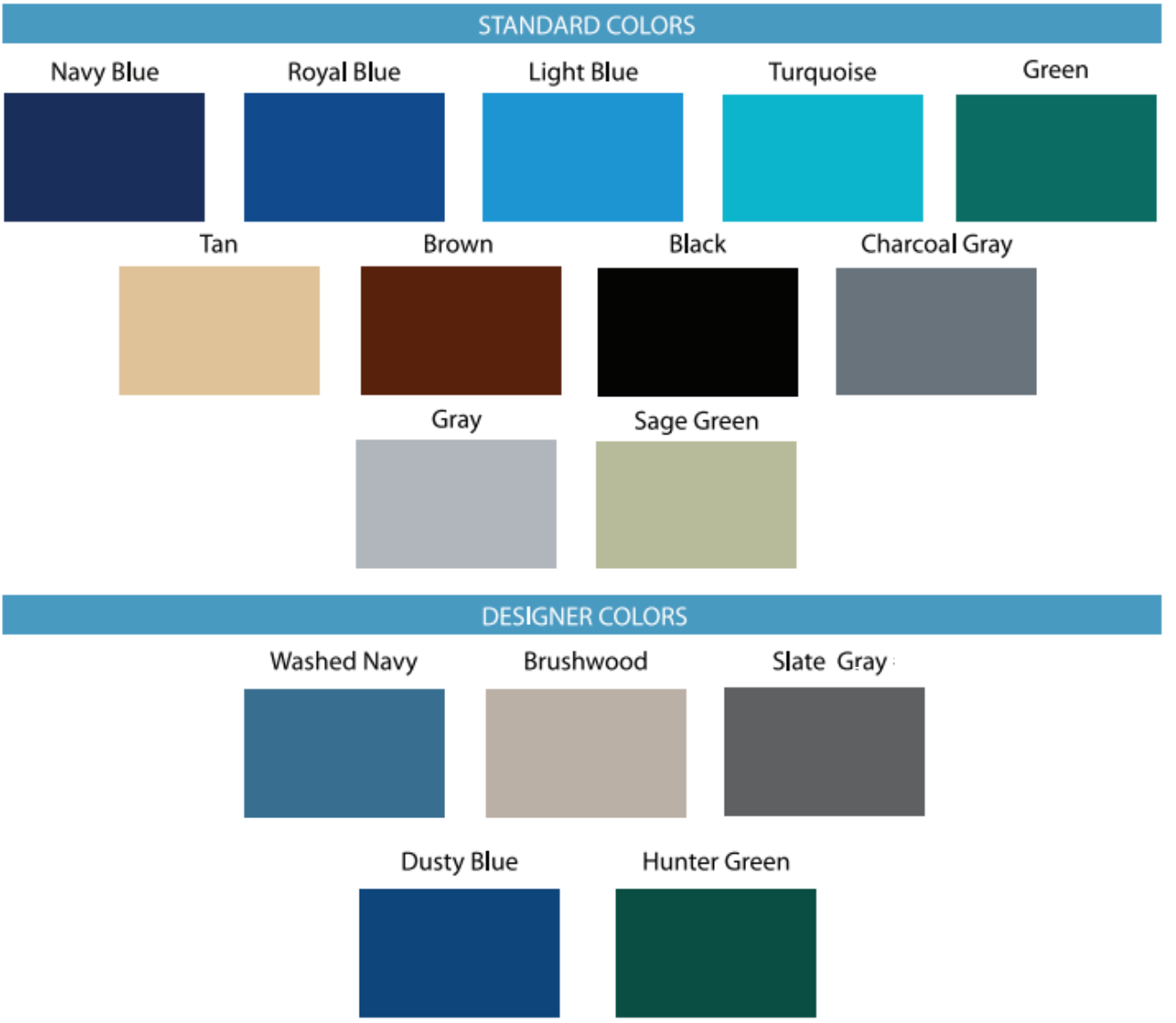




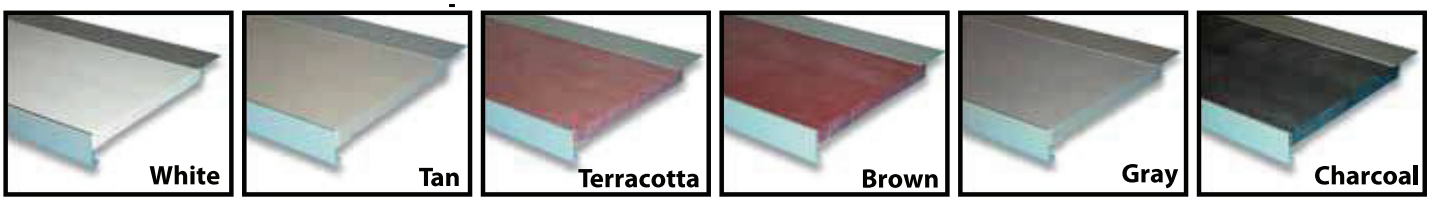


NOTE: It is impossible for the fabric material that covers the pool to be crease free. The cover material is manufactured to the width of the track to track measurement plus an excess amount of material. The excess material is to allow the cover to lay correctly on the water surface. If it did not lay correctly, there would be a bind condition. Also the excess material is necessary to allow for changing water levels. Therefore, when applying a cover to the roller drum, a number of folds need to be made, which results in creases forming in the cover at the vault / surface housing end. The amount and length of creases differ on every **Aquamatic** installation which is dependent on size, shape etc.

Color Options



Bench and Composite Lid Colors



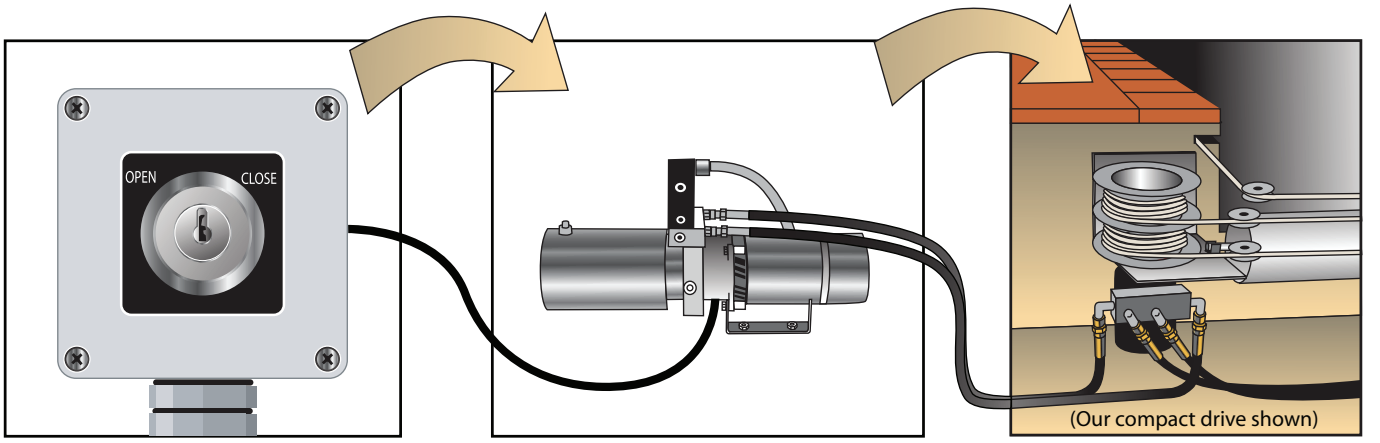
Colors depicted on both the pool cover fabric as well as the composite polymer panels are as close as printing process allows, samples available upon request.

Standard Powder Coating Colors - These match the lid colors above

Ral-9010 Ral-1019 Ral-8004 Ral-8012 Ral-7040 Ral-7012

** Powder Coating is a non-warrantied item**

How the Cover Works



The Hydramatic operates via two hydraulic torque motors, one directly connected to the cover drum to open the cover, the other torque motor drives the rope reel which closes the cover.

The direction is controlled by turning the key to the desired position (open or close) which actuates a proprietary solenoid valve to send the hydraulic fluid to the corresponding motor, either the cover drum to open, or the rope reel to close.

This design is elegant in its simplicity, yet very robust. The all-fluid drive eliminates the clutch (typical on every other automatic cover), and is self adjusting with no need for lubrication.

An inherent part of the Hydramatic, is the pressure relief to prevent over travel without the use of any electronic sensor or switches.

Rainwater Removal Feature

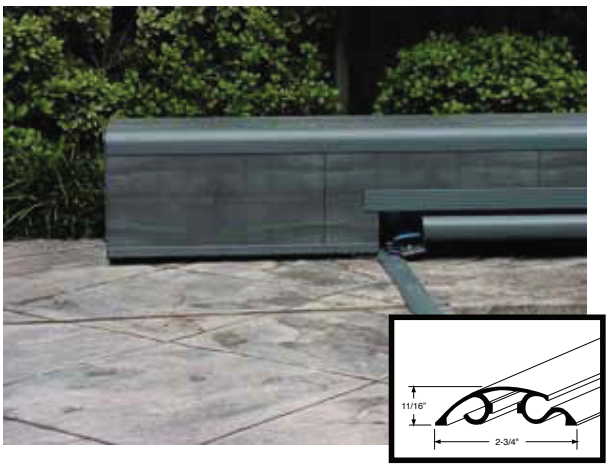
On most recessed units, a combination zipper/screen is built-in at the front of the cover. Any pool with an interior spa, raised end wall, pool with a vanishing edge, or indoor pools, this feature will be deleted. On deck mount tracks, an open screen can be included, but only on rectangular pools. This feature is at the discretion of Aquamatic. Submit a drawing to your representative to see if your pool is eligible.

Photo Credit: *Alka Pool, Alpine Pool & Design, Aquatic Technology, Blue Water Pools, Bradford Products, Douglas Landscape, Drummond & Sons Pools, Endless Pools, Florida Pools, Gib-San Pools, Marco Design, Paramount Pool Products, Prestige Pools, San Juan Pools, Tanby Pools, West Coast Pool Covers, Skyline Pools, Swan Pools*

Technical Specifications



Inwall #1



Top Track

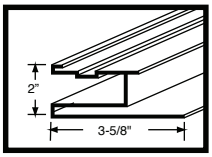


Under Track



Flush Track

Encapsulated "In-wall" Receptors for Concrete Gunite and Fiberglass Pools

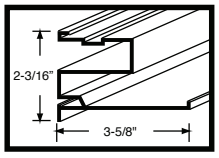


In-wall #4

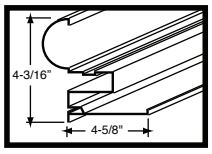
Materials and specifications subject to change without prior notice

In-wall tracking is ideal for any indoor or outdoor installation.
The track receptor is installed on top of the bond beam during the pool construction prior to the coping installation. Coping or other masonry materials are placed directly on top of the track receptor.

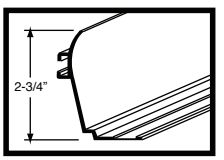
Encapsulated "In-wall" Receptors for Vinyl Liner Pools



In-wall #3



In-wall 3DF
Incorporates track, liner bead and permanent deck form



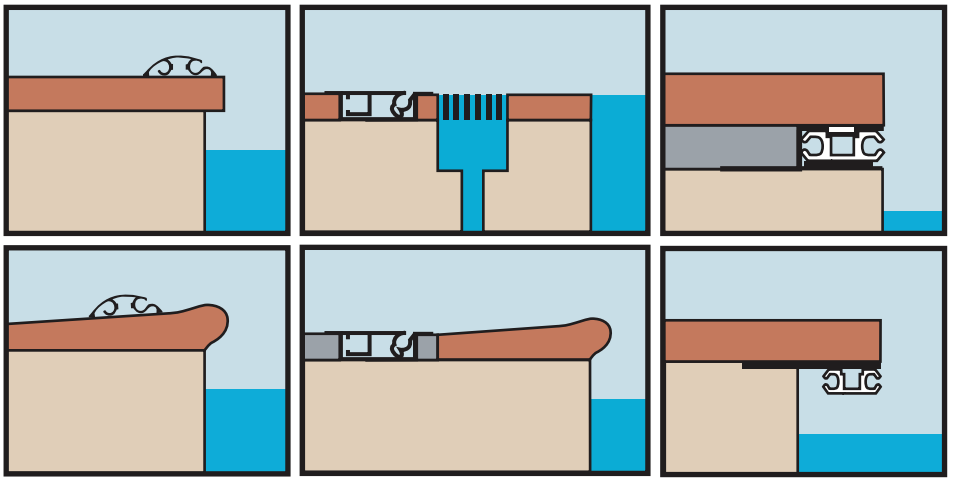
Reuseable deck form
can be used with any
Aquamatic inwall track receptor

Technical Specifications

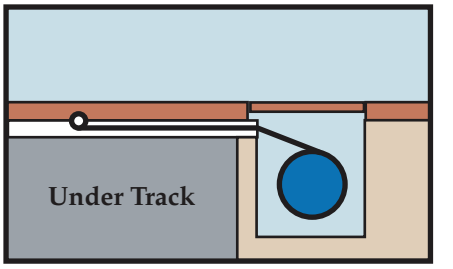
Exceeds ASTM F1346-91 safety standards

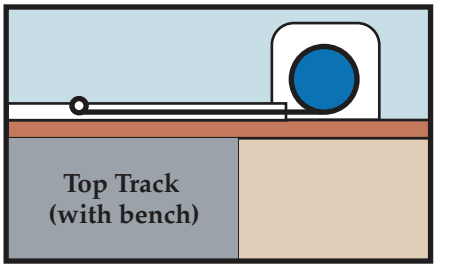
Mechanism	
Drive unit	2 hydraulic torque motors
Open and close switch	Key-lock switch
Powerpack (pump)	
Electrics	110/220-240v-60/50 Hz, 1PH 75-1.5 HP UL, CSA, CE approved
Hydraulic oil	ATF Dexron III
Normal working pressure	800 psi (40-56 bar)
Limit switches	pressure relief valves
Cover Fabric	
Material	PVC on re-inforced polyester scrim
Fabric weight	16/18 oz per sq. yd.

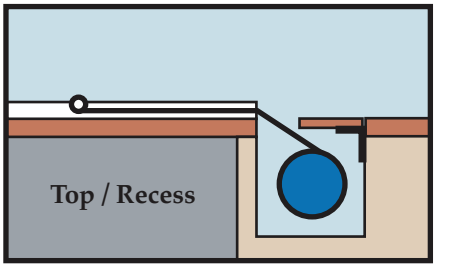
Specifications and Installation Possibilities

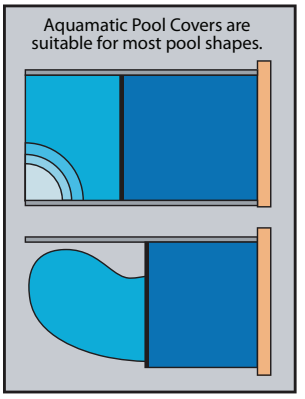


Top Tracks Flush Tracks Under Tracks





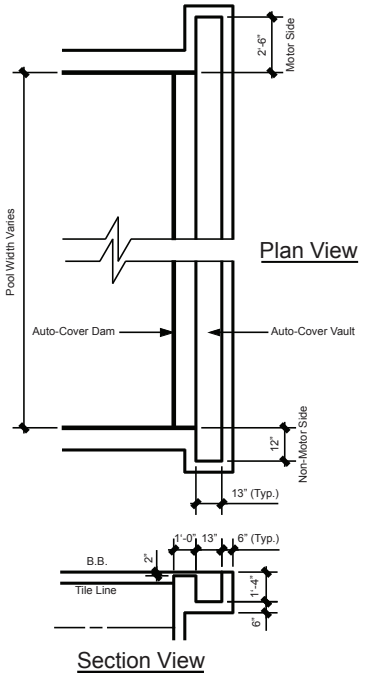




Aquamatic reserves the right to change components or specifications without prior notice.

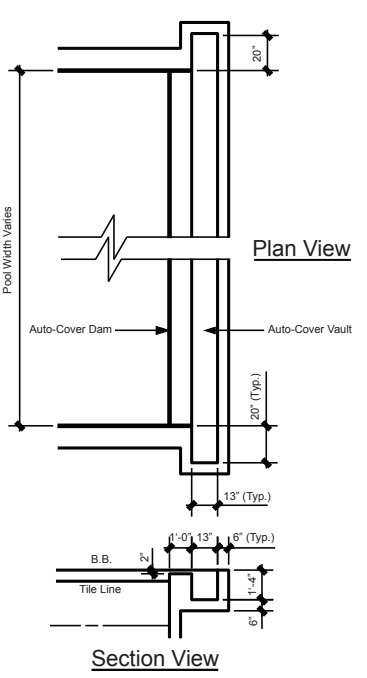
Dimensions shown are for pools up to 45' long. For longer pools, or pools over 25' wide call for specifications.

#1



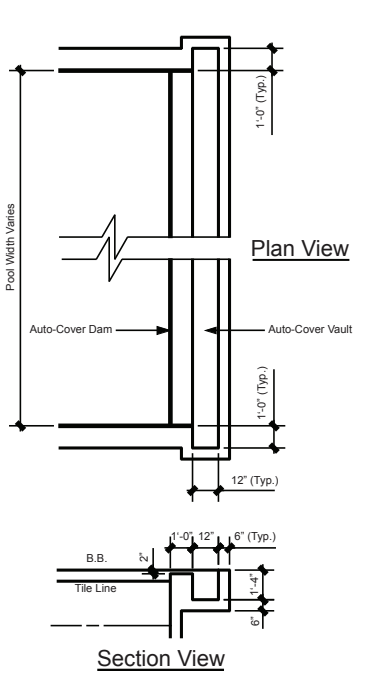
Auto-cover Vault Detail
Standard Drive
For Pools up to 45' long

#2



Auto-cover Vault Detail
Split Drive
For Pools up to 45' long

#3



Auto-cover Vault Detail
Compact Drive
Limited to 24' max. Pool Length

Other Benefits



Saves Lives

An Aquamatic cover acts as a horizontal fence, and it is “safety you can see”. The primary function of the automatic cover has always been to safeguard your children and pets from the pool and minimize the risks inherent with pool ownership. The ICC has recently recognized automatic covers as stand alone barriers. Additionally both the Hydramatic and the EZ-Cover exceed ASTM F1346-91 standards for safety and closure. As durable as these are, they are not intended as a toy and should only be walked on in an emergency. Of course there no substitute for adult supervision.



Saves Energy

The U.S. Department of Energy states that 75 % of heat loss is from evaporation, along with the evaporation, you will have water and chemical loss while incurring the cost of increased pump and filtration time of an uncovered pool. By utilizing an automatic pool cover you will eliminate your evaporative loss.



Saves Money

An automatic cover will reduce your pool operating costs by as much as 70 % through reduction of water, chemical and energy consumption. Additionally your other pool equipment will work less and last longer. You will also realize a full return on your cover investment in a relatively short time. * On indoor pools, the automatic cover will act as a vapor barrier, which allows you to reduce both the size and operating time of your dehumidification equipment saving you additional money.*



Saves Time

Spend less time skimming and more time swimming. A pool with a cover is always clean, warm and debris free. Which in turn, will allow you to have more time to enjoy your backyard oasis with your friends and family.



Saves Resources

The pool cover will act as a solar collector and will passively heat your pool through radiant transfer. Our customers have found on average their pool temperature has increased by as much as 10 to 15 degrees while also extending their swimming season.

Features of Our Patented Dual-Motor, all Fluid Hydraulic Cover Drive System

Advantages and Benefits

Waterproof
The Hydramatic drive is a closed loop system, and although a drain is required in the cover recess, inadvertent flooding does not mean expensive electric motor replacement.

Safety
No electrics near the pool for greater safety. All electric power and switches are remote at the equipment pad which also means fewer problems with inspections.

Power
Hydraulic drives are compact yet powerful, and can be easily controlled to provide only as much as is needed to operate the cover. Hydraulics are durable, and the most popular drive unit for wet and hostile environments and are the preferred choice of builders, designers and architects.

Durability
Hydraulics are widely used in heavy equipment for their durability and reliability. The unique patented Dual-Motor Hydramatic system eliminates mechanical linkage and clutches to start and then change direction of the cover. It has the least number of parts of any other automatic pool cover system, yet has a full range of safety and convenience features. Originally designed for commercial and other high use applications exclusive to Aquamatic.

Convenience
The Hydramatic cover system has a patented built-in rainwater removal feature on most applications. When rainwater collects on the cover surface, simply turn the key to open the cover, and the water will be forced through the screens into the pool. The screen mesh will collect the leaves and most debris. A computerized cover pump is also provided with all cover systems exclusive to Aquamatic.

Cover Travel Limits
The cover is gently and reliably stopped at each end of travel by our patented pressure relief valves, eliminating the need of electronic sensors or other electrical devices near the pool.

Rated
The Hydramatic cover is UL tested and certified to exceed ASTM F1346-91 standards for pool safety.

Warranty
The cover system comes with a limited 20 year warranty on the mechanism, a limited 7 year warranty on the covers and a limited 10 year warranty on the polymer panels. For additional information, contact your Aquamatic representative.



Aquamatic Cover Systems
200 Mayock Rd, Gilroy CA 95020
www.aquamatic.com

Automatic & Manual Covers Since 1980
Distribution and Installation Available Worldwide

These products are covered by one or more of the following patents:
6,3980,680; 6,026,522; 5,950,253; 5,930,848; 5,927,042; 5,845,343; 5,799,342; 546,751; 5,349,707; 5,327,590; 5,184,357; 5,067,184,184; 4,939,798

Other U.S. and foreign patents pending