

# Hydramatic

The Standard  
in Automatic Pool Covers



World Leaders in Automatic Pool Covers



Only the best will do when  
designing your Backyard Oasis.  
Choose Aquamatic Cover Systems.

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



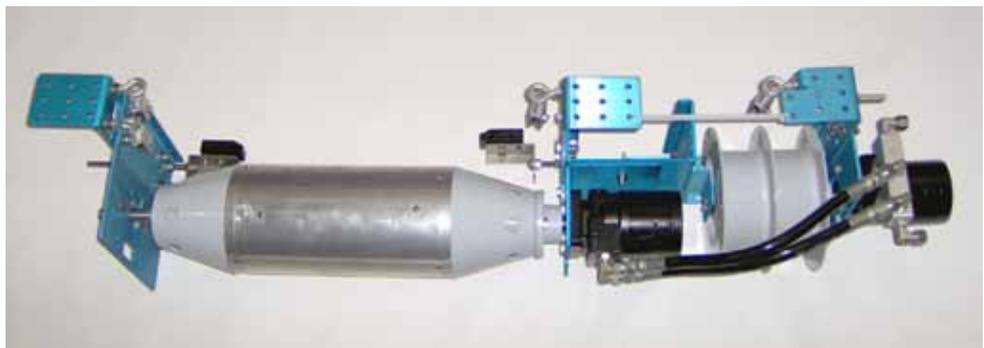
On the surface, most pool covers look similar

...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 is maintenance free, and the most reliable cover on the market with the **most extensive warranty** in the industry today...

**20 Years**  
Drive Warranty

**7 Years**  
Fabric Warranty





**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
- Rainwater Removal feature built-in on most covers
- Installation on most pool types and shapes
- Leaves and debris are collected when the cover is opened to remove rainwater
- Saves money on chemicals, energy, and water loss from evaporation
- Pressure relief valves gently stop the cover at end of travel
- 20 year limited warranty on the mechanism
- 7 year limited warranty on the cover fabric

**When only the best will do  
invest in the best pool cover...**

## **Aquamatic Cover Systems**



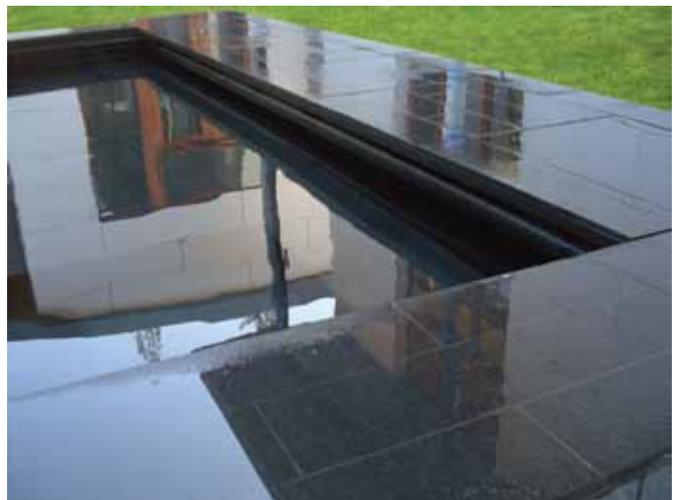
***Enhance your pool experience***  
with the safety and convenience of a  
Hydramatic Swimming Pool Cover.

# 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.

# Under Track with Masonry Lid

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**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 Masonry Lid



*Under track with Light Blue Cover and Walk on 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*

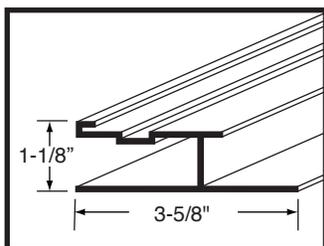


# Under Track with In-Wall



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.



**Inwall #1**



# Composite Lid and Aluminum Lid



Under Track with a Light Blue Cover and White Composite Lid



Under Track with a Terra Cotta Composite Lid

Inwall Track with Aluminum Lid



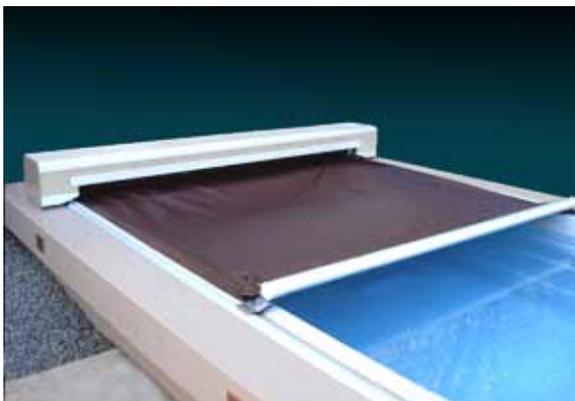
# Compact Drive and Swim Spas



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



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



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

# Compact Drive and Swim Spas

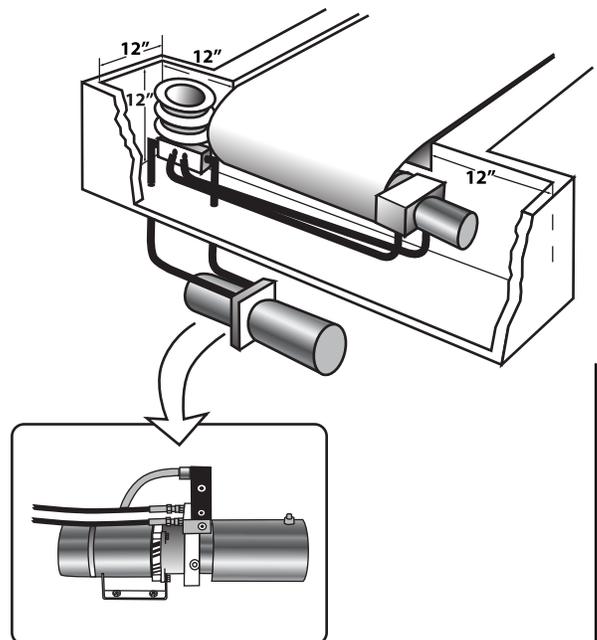


**Initially designed for the swim spa** application where the goal was to make the cover system proportional to the reduced size of the vessel. It is now ready for all types of pool/spa construction.

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 14' x 28'.



# Special Application Vanishing Edge



Vanishing Edge with Navy Blue



Vanishing Edges, Freeform Under Track, Multiple cover applications.

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



Vanishing Edge with Designer Washed Navy

Vanishing Edge with Standard Green



# Special Application Covers



As shown above, the deck follows the contour of the pool. This is referred to as an "Extreme Cantilever".

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.



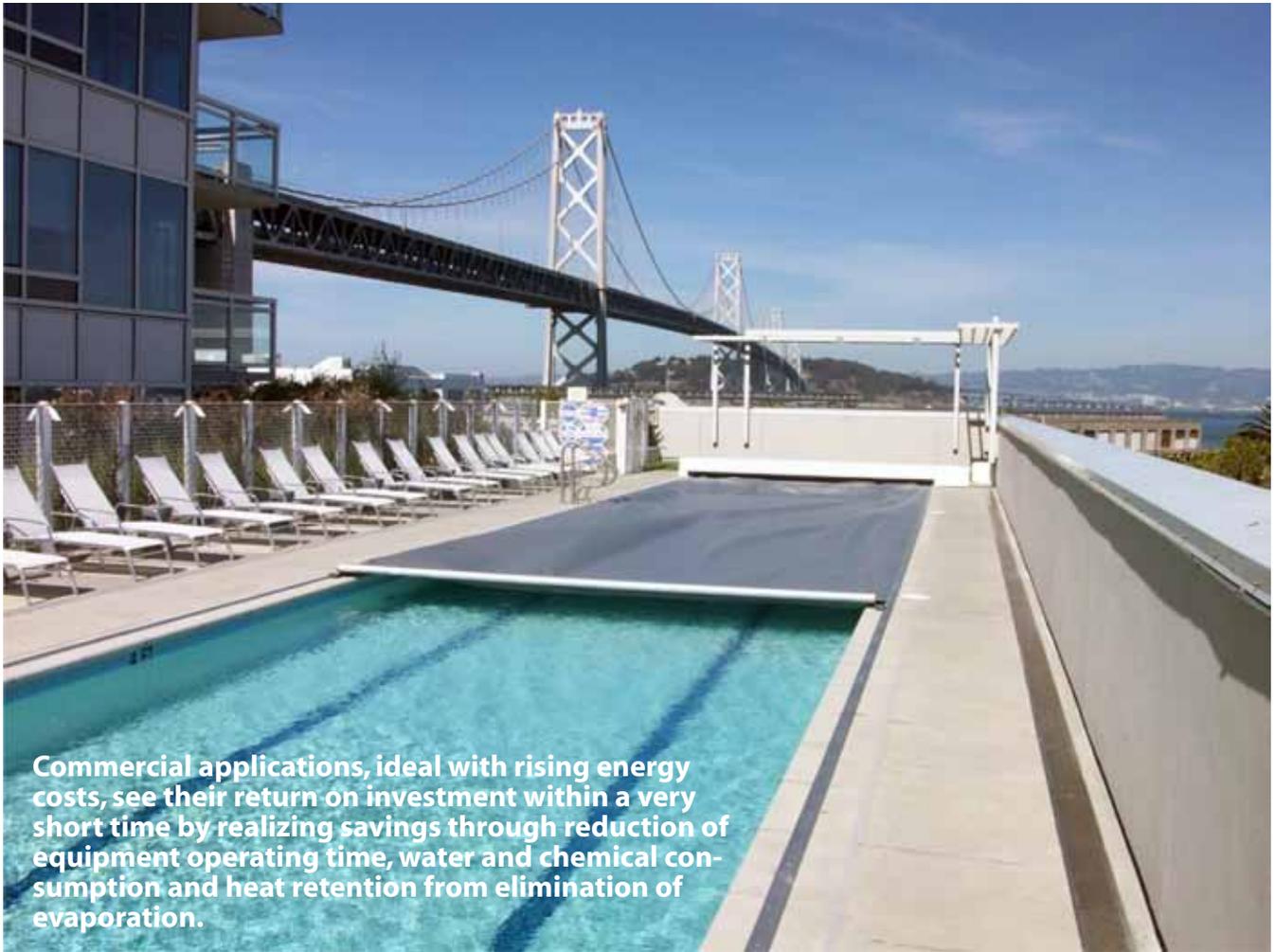
# Special Application Covers



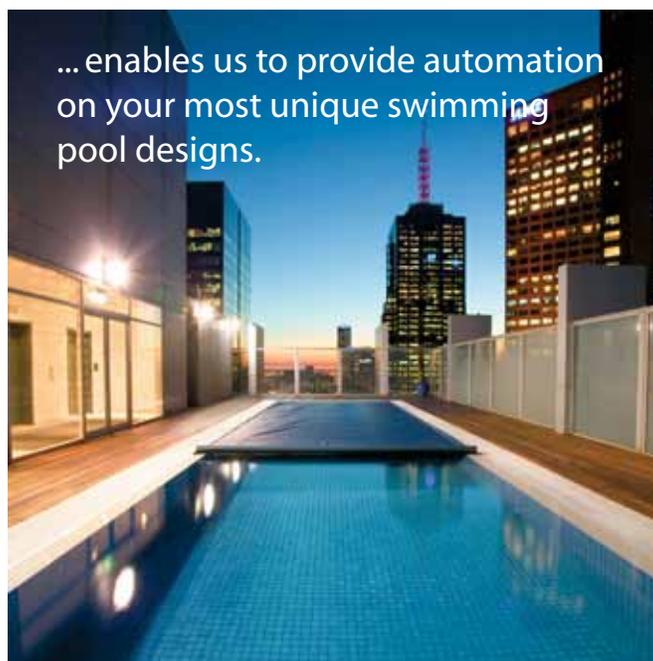
Flushtracks, ideal on gutter, zero edge or perimeter overflow pools. The track is placed just outside the gutter or edge.



# Special Application Covers



Our engineering partnered with your imagination...



# Fiberglass and Vinyl Liner Pools



Sectional recess with intergrated drain

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.



# Standard Color Gallery



Navy Blue



Royal Blue



Light Blue



Turquoise



Green

**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 dependant on size, shape etc.

# Standard Color Gallery



Tan



Brown



Black



Charcoal Gray



Light Gray



Sage Green

# Designer Color Gallery



WASHED NAVY



BRUSHWOOD



SLATE GRAY



HUNTER GREEN



DUSKY BLUE



BUFF

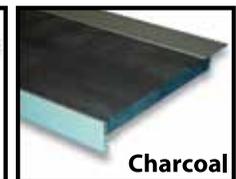
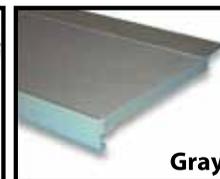
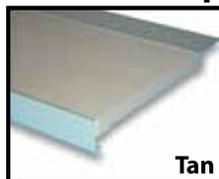
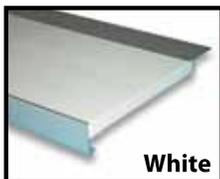
## ARTpoolcover, an Aquamatic exclusive



**IMPRINTED PATTERNS**



## 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

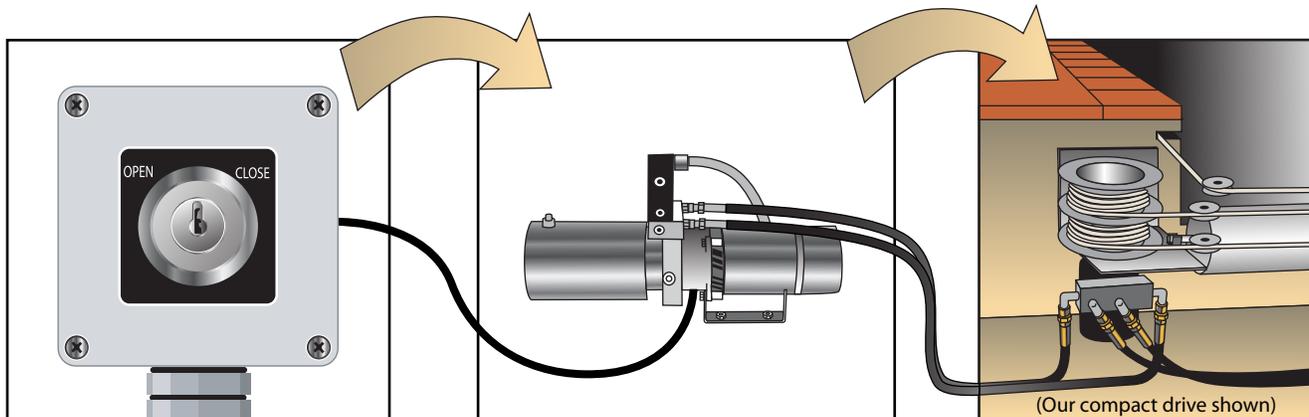
Ral-7012

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

### Photo credits

All Island Gunite Pools, Alka Pools, Bradford Products, Drummond Pools, Emerald Pools, Endless Pools, Gib-San Pools, Haven Pools, Hawaiian Island Covers, Monument Pools, Royal Pools, San Juan Pools, Skyline Pools, Swan Pools

# 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

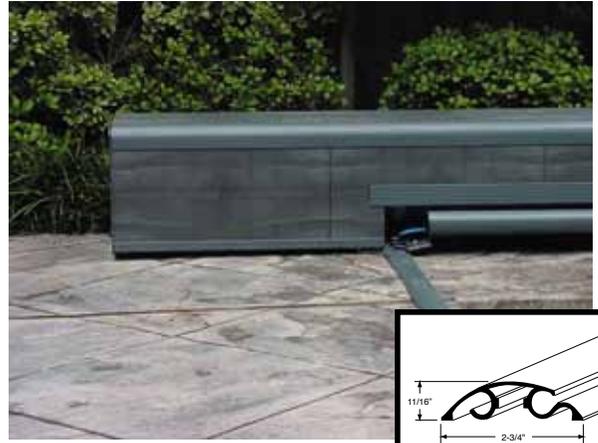
A zipper/screen rainwater removal feature is standard on most Hydramatic cover systems



# Technical Specifications



Inwall #1



Top Track

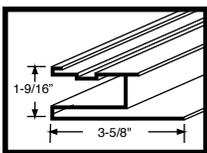


Under Track

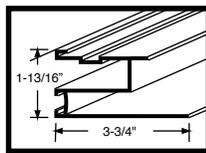


Flush Track

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



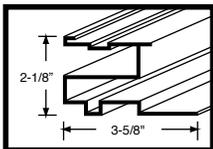
In-wall #4



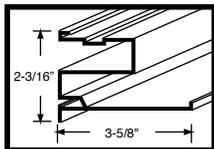
In-wall #5 w/Fiberoptic Receiver

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.

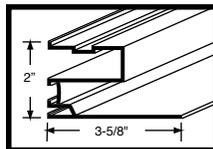
## Encapsulated "In-wall" Receptors for Vinyl Liner Pools



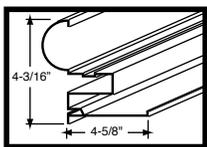
In-wall #2



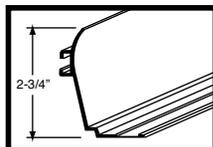
In-wall #3



In-wall #6 w/Fiberoptic Receiver and Liner Bead



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



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

### Technical Specifications

Exceeds ASTM F1346-91 safety standards

#### Mechanism

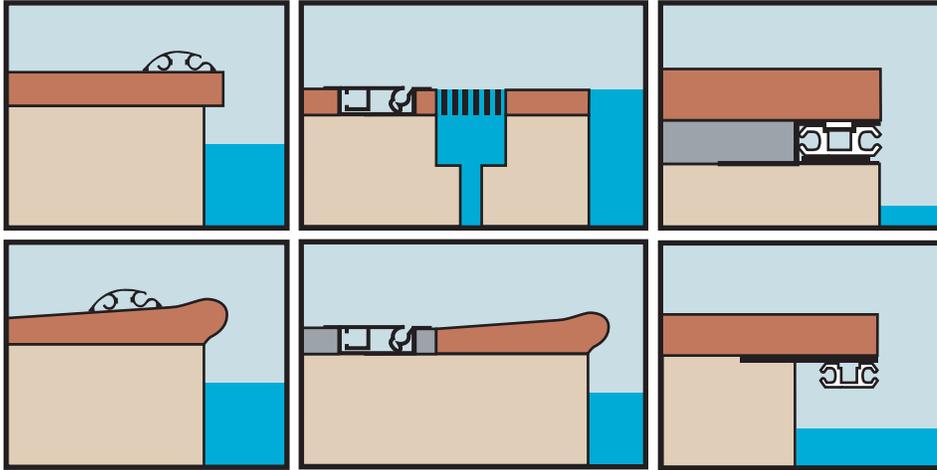
Drive unit: 2 hydraulic torque motors  
Open and close switch: Key-lock switch  
Powerpack (pump): 110/220-240v-60/50 Hz, 1PH 75-1.5 HP

Electrics: UL, CSA, CE approved  
ATF Dexron III  
Hydraulic oil: 800 psi (40-56 bar)  
Normal working pressure: pressure relief valves  
Limit switches

#### Cover Fabric

Material: PVC on re-inforced polyester scrim  
Fabric weight: 16/18 oz per sq. yd.

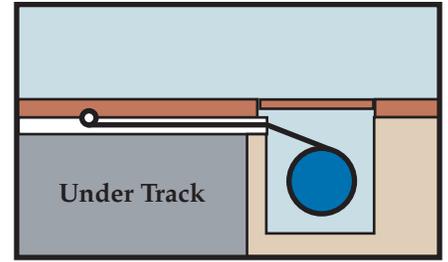
# Specifications and Installation Possibilities



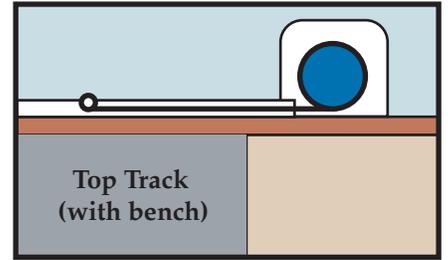
Top Tracks

Flush Tracks

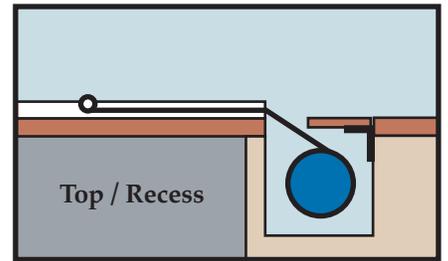
Under Tracks



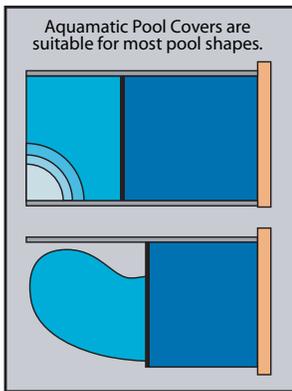
Under Track



Top Track  
(with bench)

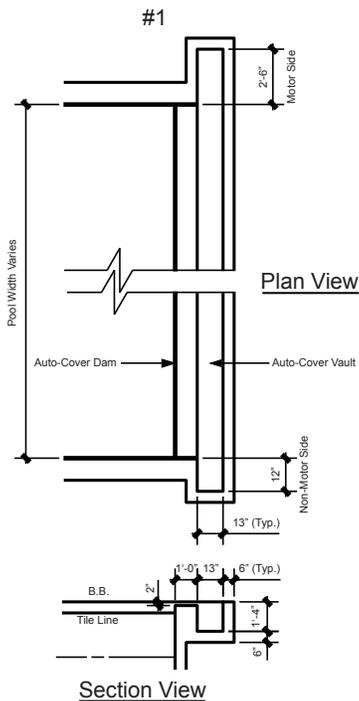


Top / Recess

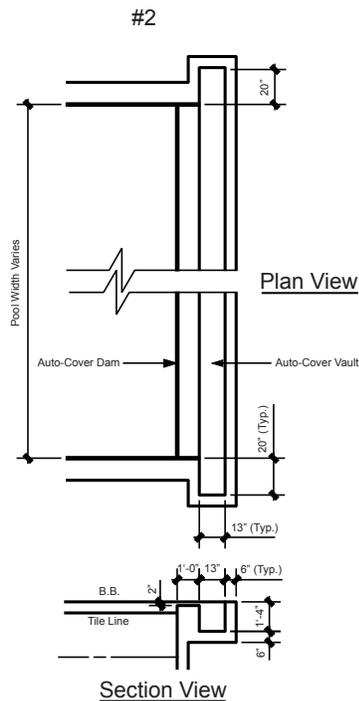


Aquamatic reserves the right to change components or specifications without prior notice.

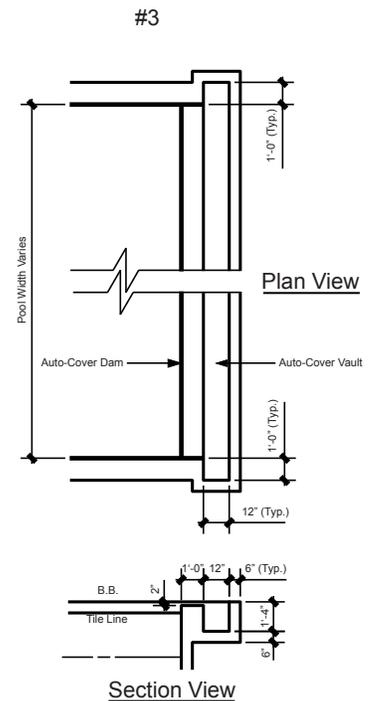
\*Dimensions shown are for pools up to 45' long. For longer pools, or pools over 25' wide call for specifications.\*



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



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



Auto-cover Vault Detail  
Compact Drive  
Limited to 28' 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. \*

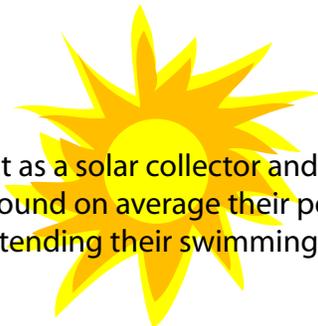
## Saves Time

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

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## *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

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[www.aquamatic.com](http://www.aquamatic.com)

**Automatic & Manual Covers Since 1980**

**Distribution and Installation Available Worldwide**

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These products are covered by one or more of the following patents:  
6,398,680; 6,026,522; 5,950,253; 5,930,848; 5,927,042; 5,845,343; 5,799,342; 5,546,751; 5,349,707; 5,327,590; 5,184,357; 5,067,184; 4,939,798

Other U.S. and foreign patents pending