

HydraLux



THE WORLD'S MOST ADVANCED POOL COVER



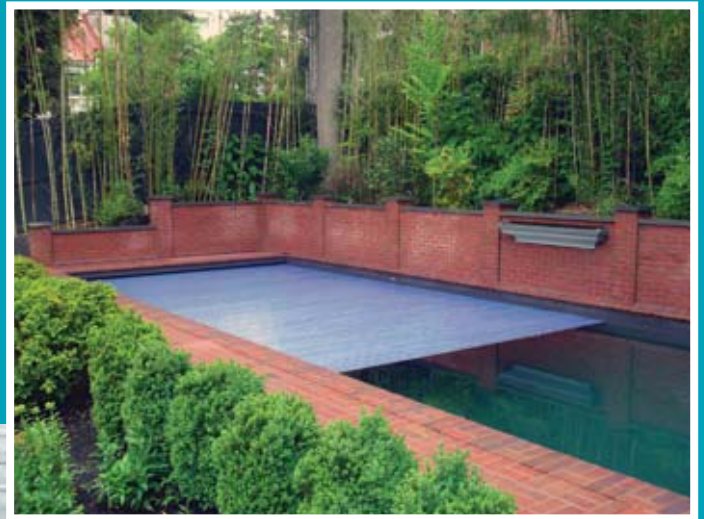
HydraLux is a product of Aquamatic Cover Systems

A unique system

HydraLux is the most advanced pool cover system designed and manufactured by **Aquamatic Cover Systems**. It is a Euro slat style system that incorporates proven **Aquamatic** hydraulic technology.

The HydraLux is the only pool cover that provides automation without the use of tracks, ropes and leading edge bars found on traditional automatic systems. It utilizes unique extruded PVC slats which are sealed to create a buoyant floating pool cover. These highly versatile cover slats can be cut to virtually any converging shape. In addition, multiple covers can be deployed from a hidden recess in the pool floor to allow for complex pool shapes. **You are no longer limited in your pool design.**

The slats are available in six colors. The standard colors include white, tan, gray and light blue. The two other colors are optional and include a solar slat (clear top/black bottom) and a clear slat (applicable only on indoor pools). The slat construction is comprised of an extrusion with three capped and sealed chambers that create an airspace of approximately 1/2", hinged together to form a unique and aesthetically pleasing pool cover.



...for a unique pool

The HydraLux is designed as an automated energy saving device, and is **not to be considered a safety cover**. If the pool requires an ASTM F1346-91 safety cover, please consider our Hydramatic which exceeds these standards.

The HydraLux is a unique automatic cover that utilizes extruded rigid PVC slats. This slat design eliminates the rope track interface and can provide automation on pools that previously could not accept an automatic cover system.

The design characteristic of the slat uses three chambers, that when capped provide a 1/2" airspace giving the cover an insulating value of R5. Ideal for commercial pools, or pools that are maintained in colder climates.

Water features, such as laminars, spa overflows can run while the cover is closed.



...limited only by your
imagination.



Our Product

The **HydraLux** is a unique trackless floating design which can cover any converging pool or spa shape. Fully automatic, this system is also ideal for any commercial application.

Operation

- Designed and developed by Aquamatic Cover Systems
- Proven automatic hydraulic drive technology.
- Key switch control.
- 20 year limited mechanism warranty.
- 5 year limited slat warranty

Installation

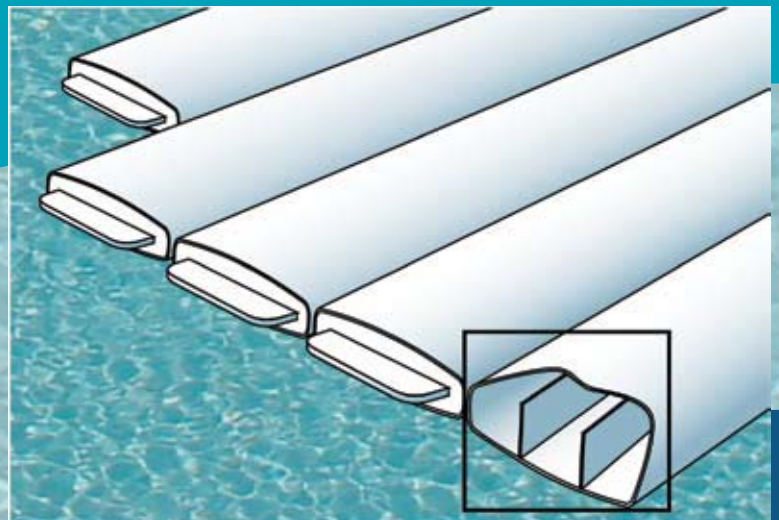
- Recessed, in-floor or deck mounted (see illustrations within this brochure).

Materials

- The pool cover consists of extruded rigid PVC profiles floating on the water.
- Available in 6 colors.



****NOTE:** The **HydraLux** cover is **NOT a safety cover**. It is solely designed as an energy saving device.**

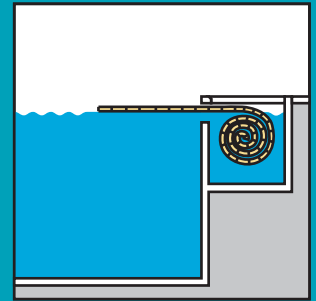


Model #1 (Standard)

The Standard HydraLux model installs in a flooded recess behind the pool. (See illustration to the right).

The recess can be covered with the same materials as the coping and/or deck surround. A stainless steel beam with perpendicular supports holds the custom stainless steel pans that can accommodate any masonry product. The beam and supports are keyed into the bond beam of the pool providing a secure fail-safe application.

In some cases, the stainless steel beam can be finished with the same materials as the pool finish as shown in the picture below. Both the beam and pans are constructed of 316 stainless steel. Special beam and pan details can be designed upon request.



Model #2

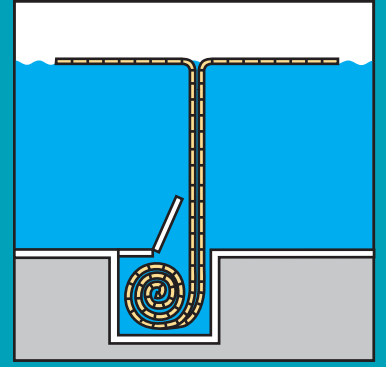
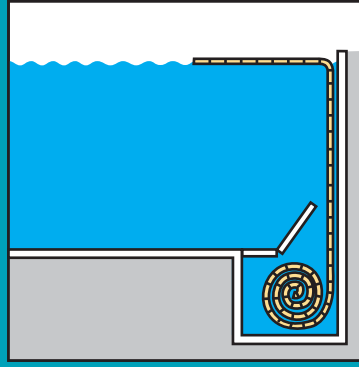
This is our most adaptable HydraLux model. This in-floor application allows for any perimeter pool design, including zero edge and vanishing edge pools.

A 316 solid stainless steel lid accepts all finishes and provides seamless closure with superb aesthetics. The in-floor lid is hydraulically actuated and sequentially timed to work in unison with the hydraulic driven cover drum. A fail-safe limit switch stops the cover at the desired stop points.

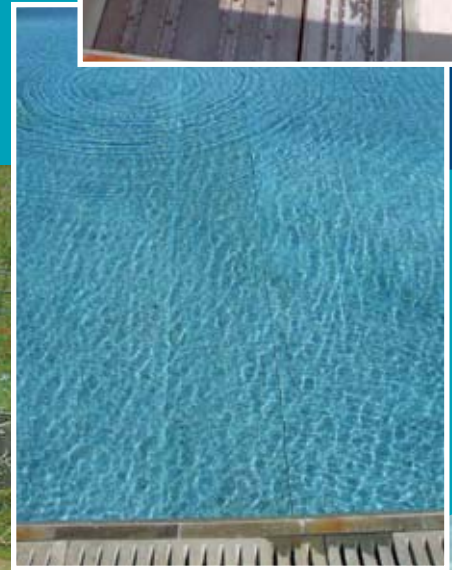
With oval and other non-rectangular pools or pools without a straight side/end, the cover can deploy from the center of the pool or other in-floor position.

All of the hydraulic components, including the lid ram, reducer, torque motor and limit switch are isolated in a dry external recess, adjacent to the pool wall.





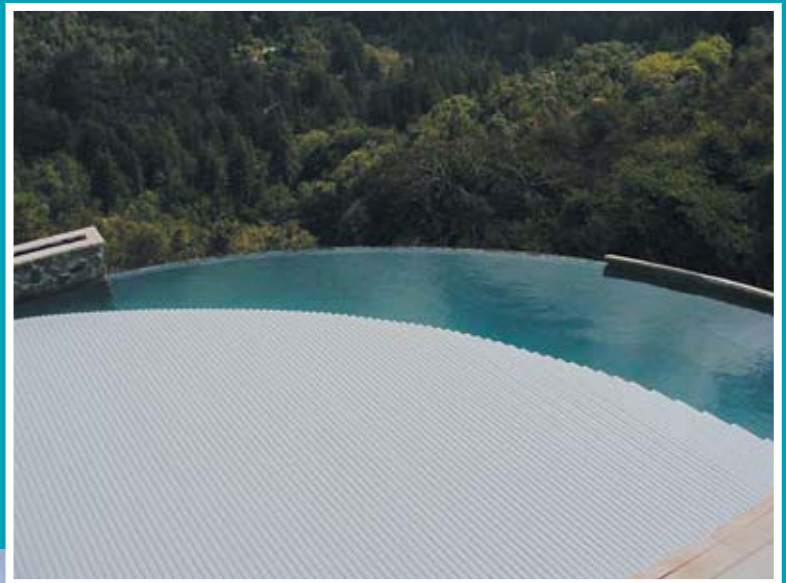
Custom in-floor stainless steel lid ready to accept pool finish



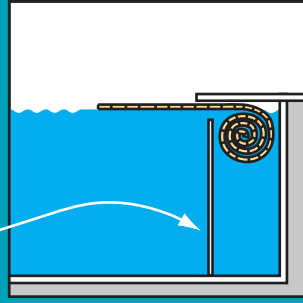
Model #3, 4 & 5

Models 3 and 4 are similar in that they are installed under a cast cantilevered deck. In both of these applications the cover slats and drum assembly must be isolated from swimmers by a divider. This divider can be constructed in the same manner as model #2 in-floor lid and finished the same as the pool interior. The divider must be hinged and removable for cleaning and access to the recess.

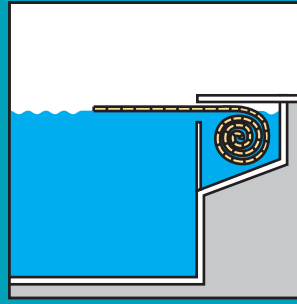
Model 5 is limited to small pools or swim spas. A removable divider is also recommended for this type of installation.



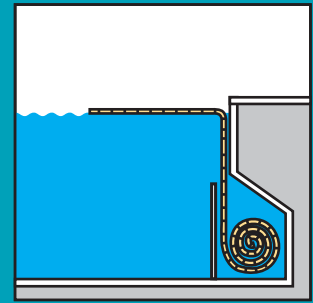
Protective dividers
must be removable
to allow servicing



Model #3



Model #4



Model #5

(Limited to small pools or spas)

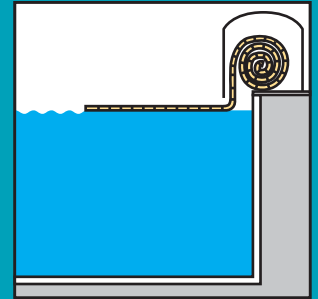


Model #6

This model's retrofit housing can automatically move over the pool water when deploying the cover to close and off the pool surface when opening the pool to swimmers. It can also be mounted in a fixed application.

A composite polymer enclosure is available in six colors (white, tan, gray, charcoal gray, terra cotta and brown).

On outdoor pools the bench enclosure is mandatory as, the slats must be protected from sunlight when not in contact with the water surface on outdoor pools.



HydraLux Gallery



HydraLux Gallery



Double cover pool with a Model #2 solar slats.

Model #1 with tan slats.



Uniquely shaped Vanishing Edge pool with a Model #1 gray slats.



HydraLux Gallery

Double covered pool at a hotel with a Model #4 and stainless steel divider.

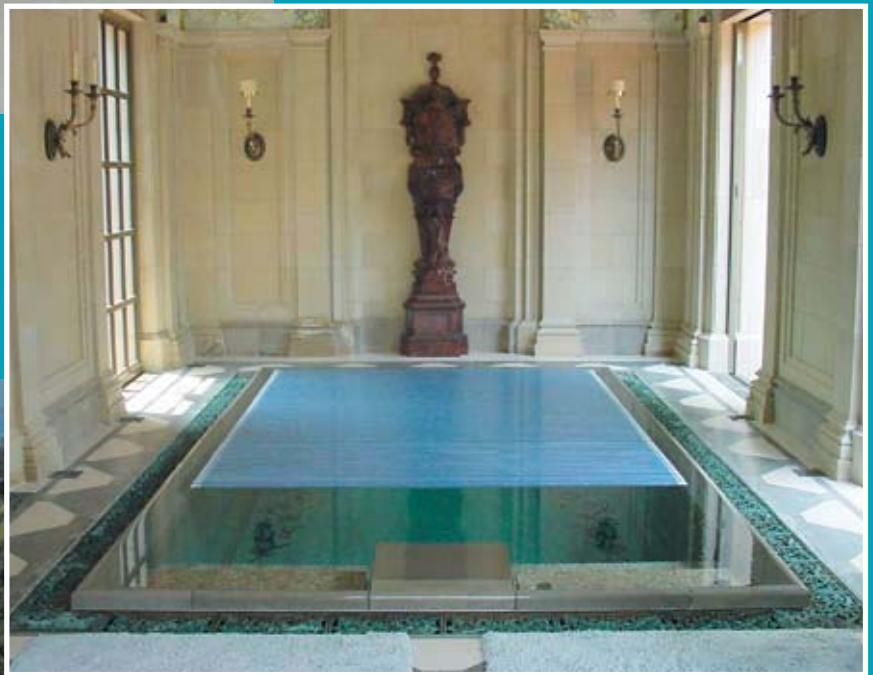


HydraLux Gallery

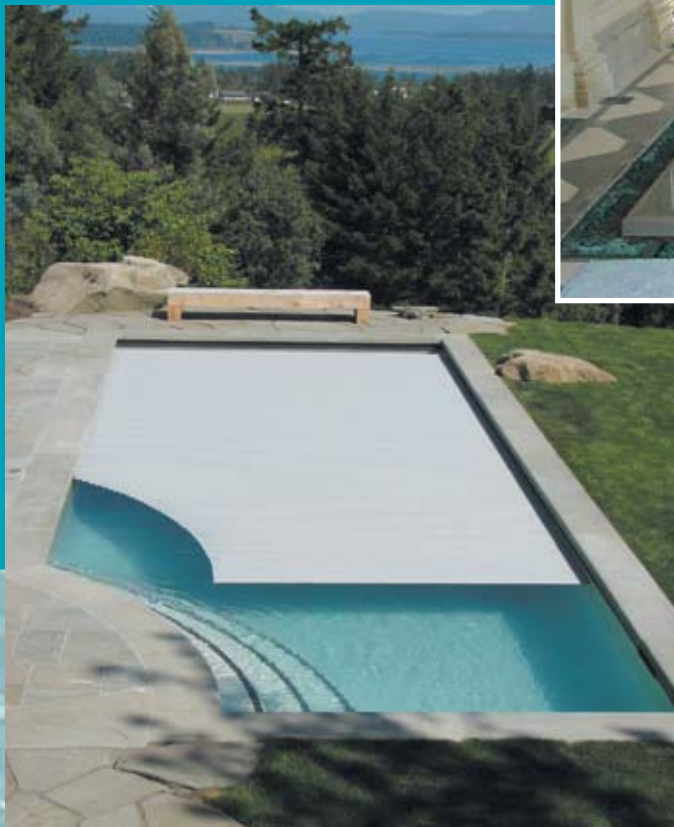


Elegant indoor pool with a Model #6 white slats.

Classically symetrical swim spa with a Model #5 clear slats.



Model #2, in-floor with gray slats.



Our patented Hydraulic Cover Drive Mechanism

WATERPROOF

The drive system located in the dry motor well adjacent to the pool is fully submersible. Although a drain is required, 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.

POWER AND DURABILITY

Hydraulic drives are **compact and powerful**, yet can be easily controlled to provide only as much as is needed to operate the cover. Hydraulics are durable, and the preferred drive in wet and hostile outdoor environments.

COVER TRAVEL LIMITS

The cover travel is gently and reliably stopped at each end of travel by our patented hydraulic limit switch, eliminating the need of electronic encoders or other electrical devices near the pool.

INTEGRATED IN-FLOOR LID CONTROLS

The stainless steel in-floor lids are hydraulically operated and integrated with the cover travel limits, to open and close automatically and sequentially.

WALL SHAFT BEARING AND SEALS

Durable Through-the-Wall drive shaft, bearing and seal kits are provided with each system. They connect the Hydraulic Drive in the Dry Well on the exterior side of the pool to the stainless steel submerged cover drum and are fabricated to wall thickness.

WARRANTY

The cover system comes with a **twenty year** limited warranty on the mechanism, and a **five year** limited warranty on the slats. For additional warranty information, contact your Aquamatic representative.

****NOTE**:** The HydraLux is **NOT** a safety cover.

Energy Saving Solar
Automatic Pool Covers
for Commercial and
Special Residential
Applications



Aquamatic Cover Systems

200 Mayock Road • Gilroy, CA, USA 95020
Ph: 800.262.4044 / 408.846.9274
Fax: 800.600.7087 / 408.846.1060
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;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