



Riva New Wave Pool Filtration Upgrade Program

Secondary Filter Laterals



The quality of water in a swimming pool is a direct indication of how the filtration and water treatment system is performing. If the filtration system is not backwashed efficiently, the amount of water used for this process will be significantly higher than if the filter design is optimised.

When a filtration system is backwashed, the water is pushed up the filter from the laterals located in the bottom of the filter. Traditional designs call for the use of *filter media agitation* when backwashing; this is achieved by the use of air scouring, which is introduced during the backwashing process. Unfortunately, air scouring provides the operator with an inefficient and often ineffective method of backwashing.

Unique **Secondary Filter Laterals** can be installed from new or retro fitted to existing pool filters to considerably improve filtration washing. The system consists of a further set of laterals positioned towards the top of the filter bed. This secondary set is only used during backwashing and, in effect, recreates the agitation in the top 300mm of sand, which is traditionally achieved by the introduction of air into the system.

Savings

By efficiently backwashing a filter, the water used is significantly reduced. On a 300m³ leisure pool the **savings can be in excess of £4,000 a year**. This relates not only to the water loss, but also the energy required to heat the pool and chemical additives needed to ensure it is safe for further use.

RIVATEC 2000 Amperometric free chlorine / bromine, pH and redox control system suitable for commercial water treatment applications

A simple three-button interface giving access to a range of functions including:

- Ease of use with a simple menu structure in plain English
- A large graphical display providing present and historical data
- Six weeks data logging of users' actions, events and chemical levels assessed on screen
- Redox monitoring to meet full European standards
- Total proportional control of dosing pumps and ancillary items
- Time-out overfeed and protection against no flow
- Programmable codes to restrict access to designated operators
- Flocculent and agitator timer control
- Manual override facility of dosing pumps and ancillary items



The RIVATEC 2000 easily enables you to monitor, control and manage your facility and safely achieve accurate chemical levels. It also fully supports current European standards, so you can easily adopt these without the need for expensive upgrades.

The controller, including our sample cell with integrated flow switch, is supplied factory-mounted on an acrylic backboard to aid installation. Each unit is covered by a two-year warranty, and comes with free commissioning and training by qualified technicians.

Data Logging

The RIVATEC 2000 records and stores the free chlorine, pH and Redox (optional) levels for 28 days. This enables the operator and maintenance engineers to review the performance levels of the pools to help diagnose problems. The data logger will also store all alarm conditions and operator changes. The ability to review this data will improve water quality.

Energy Control System -

Considerable cost savings for your commercial pool operation

The Energy Control System is included with RIVATEC 2000. This has been designed to help reduce your energy consumption even further-



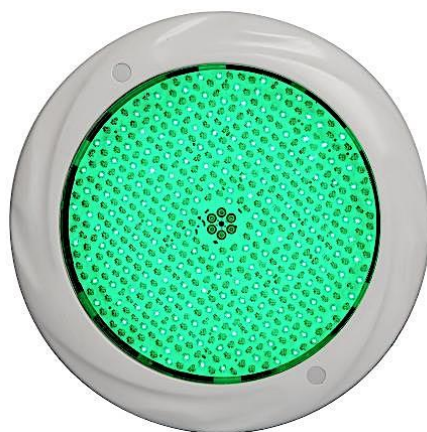
Saving up to 50% on your bills!

Circulation pump speed is reduced when chemicals are at appropriate levels.

Circulation pump speed is reduced in off-peak periods

Based on current energy costs, thousands of pounds in savings can be achieved in a typical leisure environment. As energy costs are set to rise dramatically over the next few years, the RIVATEC 2000 Energy Control System will prove a valuable asset that pays for itself immediately with our unique financing plan.

LED Lighting Energy-Saving Solutions



Underwater lighting in swimming pools and spas is now able to take advantage of recent advances in LED technology. Until now the LEDs available have not been able to provide sufficient light.

There are three versions of the pool light supplied; single colour blue, white and multi-colour and is designed to be a direct replacement for the PAR56 lamp, fitting most leading manufacturers' niches.

We also supply our surface mount fitting that removes the need for a niche to be set into the swimming pool side.

This light is rated at 36 watts, although this is less than a conventional underwater light, the efficiency and type of light produced by this unit actually emits more light through the water.

We also have a flush mounted single LED unit used for spa and pool floor illumination. This can also be adapted to fit a number of existing niches.

Benefits of High-Output LED Lighting include:

- Very high light output
- Substantial energy savings
- Long life - Up to **10 times longer than a conventional light**
- Compatible with existing installations
- Ease of installation
- No dead areas of water behind light
- Colour options



Energy Savings

A conventional 300-watt light will use over £200 of electricity in a single year, whereas the equivalent **High Output LED unit will cost only £25 over the same period!**

When such savings are considered alongside the frequent replacement of conventional underwater lights, payback periods may well be under 12 months. However, this again can be instantaneous with our financing plan.

Health & Safety

Most underwater lights have an area directly behind the light that can trap water, this can then become stagnant and allow bacteria to breed at an alarming rate, which anyone who has changed an underwater light will probably testify to!

The Riva High Output LED unit allows water to flow from the rear of the light back into the pool or spa. This is achieved by convection through outlets built into the light surround.

When installed by our own technicians, the light is **GUARANTEED FOR FIVE YEARS!***

Summary

The unique and revolutionary Filtration Upgrade Program is currently being installed throughout one of the largest leisure groups in the UK, following extensive trials lasting over twelve months. During these trials, not only were savings in excess of 50% experienced continuously but also the water quality was noticeably improved.

**Find out today how you can enjoy the same benefits with an
INSTANT CASH-POSITIVE POSITION FROM MONTH 1
with our unique financing plan!**

Riva's New Wave Upgrade Program – The Future of Pure Filtration!



**For more information or for a free, no-obligation quote
to see how much you could be saving immediately,
contact us today on 0843 289 2060 or info@rivaglobal.com**



*Subject to Terms & Conditions