

## SWIMMING POOL WATER DISCHARGES

### Estimated weekly discharge

The estimated weekly discharge from a standard domestic pool will be between 1-2 m<sup>3</sup> (220 - 440 gallons). This is required to backwash (clean) the pool filter vessel. Backwashing of the filter should normally be done on a weekly basis.

This can be reduced by fitting an (optional) pre filter which reduces the frequency of backwashing to around once every 12 weeks. The pre-filter only needs to be flushed out, using 15 litres of water approximately every 2 weeks.

The chlorine level within the discharge will have a chlorine residual not exceeding 1mg/litre (ppm).

We can also offer (optional) ultra violet disinfection systems which would allow a reduction in chlorine levels from 1.0ppm to between 0.5 and 0.6ppm.

Backwash water is usually discharged to a soakaway of around 6m<sup>3</sup>. If necessary an (optional) attenuation tank of around 4 -6 m<sup>3</sup> can also be used for controlled discharge.

### Total Discharge

In the unlikely event of having to completely discharge the pool then the undernoted procedure would be adopted:-

- A) Neutralise pool water using Sodium Thiosulphate and allow to circulate for a period of approx 2 hrs.
- B) Check chlorine residual within pool. Should any be evident then a further addition of Sodium Thiosulphate would require to be added.
- C) After approx 2 hours, re-check the chlorine residue and follow item B) if chlorine is detected.
- D) Slowly discharge pool water into drainage system.

### **Please Note:**

Under British Standards the maximum permissible discharge is 750mm depth of water over a 24hr period.

### **Aquality Leisure Limited**

Unit 4 Gordon Park, Orchard Bank Industrial Estate, Forfar, DD8 1WJ

Tel: 01307 490171

E: [info@aqualityleisure.net](mailto:info@aqualityleisure.net)

[www.aqualityleisure.net](http://www.aqualityleisure.net)

Company No. SC 374064