# **Aqua** KLEAR

### **Cost saving calculation**

# **Pool Operating Costs**

Pump flow rate M³ / min Freq of backwashing per week Time of backwashing (mins)	7 1 10	
Gap between backwashing in weeks		4
Water temperature Incoming	10	
Pool temperature	29	
Cost of Electricity / kW		
Cost of Gas / kW	£0.0654	
Cost of Oil / kW		
Cost of Water / M <sup>3</sup>	£0.6790	
Cost of Chlorine / Ltr	£0.1800	
Chlorine used per week in Itrs	333	
Cost of Acid / kg	£21.500	
Cost of coagulant / unit	£0.000	
Effluent supply charge per M <sup>3</sup>	£0.270	

Pump flow rate per M <sup>3</sup> / min	7	
Freq of Backwashing per Week	1	
Gap between backwashing in weeks		4.0
Freq of Backwashing / Yearly	52	13.0
Time of Backwashing (mins)	10	
M³ per Backwash	70	14
Cost of Heating for backwashing only	£5,260.32	£263.02
Cost of new water	£2,471.56	£123.58
Effluent supply charge	£982.80	£49.14
Cost of Chlorine / year	£3,116.88	£1,558.44
Yearly use of Acid	£782.60	£260.87
Yearly use of coagulant	£0.00	£0.00

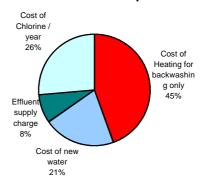
Total Cost / year £12,614.16 £2,255.04

Total cost saving £10,359.12

#### **Proportion of costs**

## NOTE:

The total cost saving is only that associated with the backwashing of the filters.



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