

Aqua KLEAR

Cost saving calculation

Pool Operating Costs

Pump flow rate M ³ / min	7
Freq of backwashing per week	1
Time of backwashing (mins)	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 ³	£0.6790
Cost of Chlorine / Ltr	£0.1800
Chlorine used per week in ltrs	333
Cost of Acid / kg	£21.500
Cost of coagulant / unit	£0.000
Effluent supply charge per M ³	£0.270

	Before Aqua KLEAR	After Aqua KLEAR
Pump flow rate per M ³ / 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	
M ³ 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

NOTE:

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

Proportion of costs

