


**SOCOTEC**



# Helping You Reduce Water Consumption

## **SOCOTEC's Oasis Cooling Tower Bleed Off Recycling System will save thousands of pounds on your annual water bill.**

Water suppliers are being tasked by the Government to assist their consumers in assessing ways to reduce their water usage. With growing demand, water is becoming more of a commodity, leading to restricted supply, and prices are beginning to reflect this.

Cooling towers are the primary water user in any climate controlled building, whether its comfort cooling in an office block, or refrigeration in a food stuffs distribution centre. In either context, your cooling tower could be wasting money day after day in avoidable water usage. At SOCOTEC, our technical experts can advise the best course of action in regard to reducing your water usage.

One solution to your problem is the inclusion of an Oasis unit, which can recycle 60 to 75 per cent of the water that the cooling tower bleeds off to drain due to high conductivity, and then send it back to the tower as fresh make-up. In addition, if you have no other water recycling system on a new site, you will qualify for a BREEAM Point. For example, if you bleed off an average of 15m<sup>3</sup> of water per day for a year, then your annual discharge is 5475m<sup>3</sup>/annum. Taking into consideration the water supply and effluent charges and the cost of softening, the bleed water costs you in the region of £14,000 per year.

# SOCOTEC'S OASIS COOLING TOWER BLEED OFF RECYCLING SYSTEM CAN SAVE YOU MONEY

On a 15m<sup>3</sup>/day minimum bleed off, the Oasis unit's cost effectiveness offers a payback against capital expense in just over three years. The greater the volume of water your cooling tower bleeds off per annum, the faster the payback period. An additional benefit to the economic argument is that companies that are seen to be working on reducing their water consumption, are raising their company's ecological profile and protecting the environment from even greater pressure.

ESTIMATED ANNUAL SAVING WITH OASIS COOLING TOWER BLEED OFF RECYCLING SYSTEM*		
ESTIMATED BLEED OFF PER DAY (M3)	ESTIMATED ANNUAL SAVING WITH OASIS BLEED OFF RECYCLING	PAYBACK PERIOD (YEARS)
15	£7,200	3.36
25	£12,000	2.22
30	£14,400	1.95
40	£19,200	1.48
50	£24,000	1.42
75	£36,000	1.08
100	£48,000	1.06

On existing sites with known water consumption costs, the benefit to be gained by installing an Oasis unit can be easily quantified. Oasis Bleed Off Recycling Units can be installed as a retrofit to existing systems as easily as it is to facilitate in new build designs. The Oasis' modular construction aids its installation in plant rooms where space is a potential issue.

## SAVING YOU MORE

If your bleed water equates to a third of the water used, then two thirds is being evaporated. This evaporated water volume is not dischargeable to the foul drain and would be eligible for a rebate against effluent charges on your water bill. This surprisingly can often be sufficiently high in savings to be able to fund the capital expenditure required to purchase the Oasis Cooling Tower Bleed Off Recycling System.

\*Figures calculated based on average water supply and discharge prices and salt prices, including annual servicing. Correct at time of print - 2015

### MORE ABOUT OUR SERVICES

If you would like to find out more information regarding SOCOTEC's Oasis Cooling Tower Bleed Off Recycling System, call 0845 603 2112 or email [salesuk@socotec.com](mailto:salesuk@socotec.com)