

Flat cap sterilization Still drinking Water



The Company - Nestlé Waters Al Manhal

Nestlé Waters is one of the early adopters of pulsed light, with a first unit installed in 2004 in Nestlé Contrex, for flat caps decontamination (40 000 b/h). The technology is also used in Saudi Arabia since 2004, in the Nestlé Waters Al Manhal factory in Riyadh, on a bottling line, for flat caps decontamination. The company has also had installed a second pulsed light unit for flat and sport caps treatment.

Industrial Issue

Product:	purified water «Nestlé Pure Life» (ozonated and mineralised)
Shelf life:	shelfstable
Packaging:	25 mm flat cap / 33mm sport cap
Lines:	40,000 bph (flat caps) and 25,000 bph (flat and sport caps)
Microbiological issue:	mould hazard



Claranor solution

- 1 lamp and 2 lamps (for sport caps) optical cavities
- 1 flash/cap
- Trial results on sport caps: 3.6 log reduction on *A. niger* in 1 flash
- Integration and retrofits of the line by Claranor
- Before 2011: more than 1.3 millions caps treated with pulsed light



Customer testimonial

Ra'Id Khashman, Technical Manager, Nestlé Waters Al Manhal

“Water is a scarce and precious material in our region. We need to ensure the safety of our production and the quality of our product using the most effective technologies. CLARANOR Pulsed light system for cap decontamination is a reliable and efficient barrier to mould and yeast which has allowed us to secure our Nestlé Pure Life water production since 2004.”