

# Advanced Oxidation Process (AOP)

## what is it?

AOP is a process designed specifically for quick and efficient disinfection applications. It has multiple benefits, including disinfection, chloramine removal and improving the overall quality of water

1

### AOP

AOP is a combination of ozonation and UV light, producing very reactive chemical oxidants called hydroxyl radicals

2

### WATER TREATMENT

Once the hydroxyl radicals are generated, they react very quickly with contaminants present in the water

3

### CORRECT CONTACT TIME

The required contact time for Advanced Oxidation to happen is 2 minutes. A de-ozonation stage is not required because all of the ozone produced is consumed during the process

4

### PERFECTLY TREATED WATER

Water leaving the AOP process is disinfected and of high quality

5

### NO HARMFUL BY-PRODUCTS

Using only electricity and oxygen from the air, the AOP process produces no harmful chemicals and leaves no harmful by-products