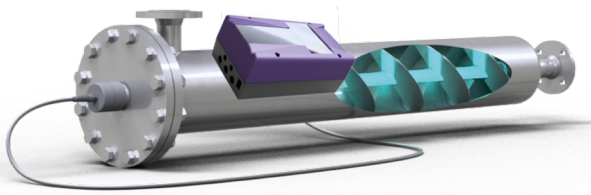
Advanox™
ADVANCED OXIDATION

DRYDEN AQUA DISTRIBUTION
SUSTAINABLE WATER QUALITY

AOP-80

Advanced oxidation
Public spas



WHAT IS **ADVANOX™ ?**

Advanox™ stands for "Advanced Oxidation" and is a state-of-the-art water treatment system designed to **reduce organic substances and organic chloramines by oxidation reactions with powerful hydroxyl radicals (OH•).**

Where to use the Advanox™ AOP-80?

The Advanox™ AOP-80 has been specifically **developed for public spas.** When used in combination with our Dryden Aqua Intergrated System DAISY® (AFM® + APF®) the lowest combined chlorine concentration of less than 0.2 ppm and lowest THMs levels of less than 20ug/l.

OFFER PREMIUM WATER AND AIR QUALITY TO YOUR CUSTOMERS!

1

Lowest combined chlorine

By efficiently removing organic chloramines, ADVANOX™ is the perfect match to DAISY® to reduce the total combined chlorine in public spas to less than 0,2 ppm (mg/l).

2

Lowest operating costs

Advanox™ offers a perfect alternative to medium pressure UV systems without forming THMs, and ozone with significantly lower investment and operating costs!

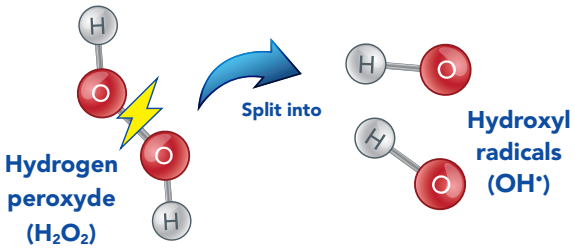
3

Cleanest water

Used for drinking water purification Advanced oxidation can remove the most difficult compounds in the water including cosmetics, pharmaceuticals and toxins.

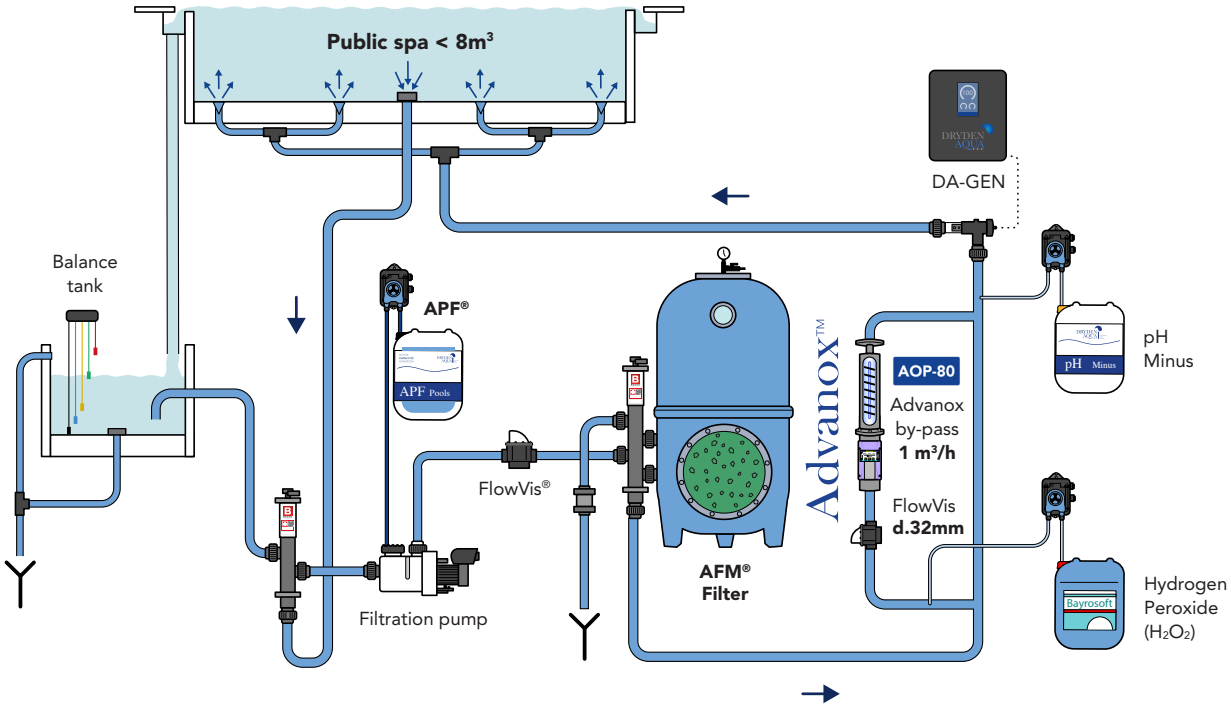
With ADVANOX™, UV irradiation is not used to disinfect the water, it is used to generate free radicals for Advanced Oxidation!

ADVANOX™ was developed to generate a very High UV-dose of 5000J/m² - providing the energy necessary to efficiently break peroxide molecules into hydroxyl radicals



AOP-80 **INSTALLATION**

1. **Install a DAISY® system (AFM® + APF®) to prevent the formation of inorganic chloramines and THMs**
2. **Install a by-pass on the return line to treat approx. 1 m³/h of water through ADVANOX™**
3. **Use a FlowVis® flowmeter to ensure the correct flow in the ADVANOX™ by-pass**



Product description	AOP-80
Public spa size (m³)	**< 8 m³**
Capacity in m³/h	1
Power consumption in W	140
Effective UV-C in W	40
Installation	vertical or horizontal
Reactor diameter in mm	150

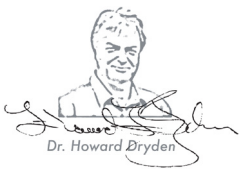
Hydrogen Peroxide (H_2O_2) dosage

a. Concentration H_2O_2 35% :

≈ 30 ml / m³/h going through the ADVANOX™ by-pass

b. Concentration H_2O_2 12% :

≈ 90 ml / m³/h going through the ADVANOX™ by-pass



Find on our website download section more information about ADVANOX™ including our installation and commisionning manual

Watch our DAISY® e-learning video on YouTube