

## Ozone Laundry

### PIE Ozonation – Ozone Laundry

It is an indisputable fact that ozone laundry can save detergents, bleaching agents, electricity, water as well as the washing time. It may also reduce clothes shrinkage, increase its durability and less laundry water pollution.

#### How does it work for laundry by ozonated water?

The disinfection power and speed of ozone is 150 and 3,000 times of chlorine respectively. Ozonated water can replace bleaching agent and majority types of liquid disinfectant chemicals. It is an excellent disinfectant which is environmentally friendly and safer as there is no toxic residual.

#### Save considerable detergents

Ozone is the second powerful oxidant in the world that all the dirt can be decomposed in just a very short period of time. Oxygen is released after oxidation of the ozone and that can even better enhance the cleaning capacity of detergent. As a result, it may save up to 40% of the washing detergent by using ozone laundry.

#### Can effectively decompose oil or grease

Ozone can effectively decompose and remove oil or grease that other detergents cannot do that.

#### NO need to increase water temperature or to add bleaching agent

Special disinfection is necessary if clothing, bed sheets and accessories are from the hospitals. Bleaching agent and higher water temperature would be used in a traditional way. However, ozonated water should be the most appropriate method to treat this type of high risk clothing due to its incredible disinfection power. Less clothing shrinkage and can avoid fiber to twine together while it is no need to use hot water.

#### Ozone has softening effect

Ozone is able to enhance the oxygen in the rinsing water while oxygen can activate a variety of detergent and result in softening effect. Using ozone can save lots of chemical softener and the clothing fibers are naturally softened.

#### Less detergents and bleaching agents means the significant reduction of ecological pollution

Majority of the detergents have an adverse impact on the ecology. It has been proved that Chlorine can produce carcinogenic substances and contaminate the food chain. European and American countries have already initiated and planned to prohibit the usage of chlorine. Less or even to abandon the usage of these chemicals but using ozone should effectively protect the ecological environment.

#### Reduce rinsing, save water, washing time and electricity

Ozone can reduce the usage of detergent, bleaching agent and softener while it saves rinsing water, time and avoid the huge electricity bill. Ozone laundry not only saves water, time and electricity, it also saves lots of money.



## 臭氧水洗衣物

### PIE Ozonation — 臭氧水洗衣

用臭氧水來洗衣服，可省回洗衣粉、漂白水、電費、水費和洗衣時間，減少衣物縮水，增加衣物耐用程度，減少洗衣水污染，這已是不爭的事實。

#### 『臭氧水』如何洗衣服？

臭氧的殺菌能力，是氯的 150 倍，殺菌速度，比氯快 3000 多倍。『臭氧水』是可代替漂水和大多數的液體消毒化學品。『臭氧水』比其他消毒劑安全，沒有殘餘毒物，是最環保的消毒工具。

#### 省回可觀的清潔劑

臭氧是世上第二強的氧化劑，適量臭氧能產生極強的潔淨能力，使污物在短時間內，被臭氧分解，脫離衣物纖維；而臭氧在氧化後，會分解成氧。這氧分子正有助清潔劑發揮更強潔力。故此，用臭氧水洗衣物，可省回多達 40% 的洗衣粉(或洗衣液)。

#### 能有效分解油污

臭氧能有效分解油污，除掉一般清潔劑不能去除的油漬。

#### 不需升溫和加漂水

若衣物、床單、被鋪等來自醫院，需要特別消毒。傳統方法是用漂水和提升水溫。臭氧具有強大的殺菌能力，用臭氧水來處理此等高危衣物，是最適合不過。不用熱水，亦可減少衣物縮水和纖維纏繞。

#### 臭氧有柔順效能

臭氧能夠使洗水中的氧分提升，氧能活化多種洗衣粉，帶來柔順效果。使用臭氧，可省卻大量化學柔順劑，令衣物纖維自然柔順。

#### 減少使用清潔劑和漂水，等於減少生態污染

大部份的清潔劑，對生態都有不利影響；氯已證明會產生致癌物質，污染生物鏈。歐美國家已倡議或已計劃禁用。使用臭氧，減少或棄用此等化學品，能有效地保護生態環境。

#### 減少過水，省水、省時間及省電

臭氧能減少使用洗衣粉、漂水和柔順劑，同時也省回過水的水量及時間；加上不用升溫，便省回升溫的時間和龐大的電費。臭氧水洗衣物，不但省水、省時間及省電，而且還省回不少金錢。

