

# LegioCid®

WAPOTEC

## Chlorine dioxide treatment kit for spa pools, filters & balance tanks.

The HSE's Approved Code of Practice (ACoP) and guidance Legionnaires' Disease: The control of legionella bacteria in water systems (LB), clearly states that operators of spa pools must drain, clean & disinfect the whole system on a weekly basis. In addition to this the code also states that pipes should be cleaned monthly and filters thoroughly cleaned every 3 months.

For the spa pool operator these tasks can often be very difficult and time consuming, with the spa facility remaining out of operation for considerable periods of time. The cleaning of all internal pipe-lines can often be almost physically impossible unless great consideration has been made before the installation of a spa. The LegioCid® Treatment Kit has been specifically designed to overcome these problems and provide operators with a fast and highly effective disinfection and decontamination regime.

LegioCid® uses Wapotec's patented TCDO (tetrachloro-decaoxygen compound) to produce chlorine dioxide in combination with chlorine, to treat the entire spa pool, pipe circuit, balance tank and filter. It is widely acknowledged that chlorine dioxide is highly effective in removing biofilms, a slimy film of bacteria that can harbour and protect harmful pathogens such as Legionella and Pseudomonas from normal chlorine disinfection. Biofilms can build up easily in pipes, overflow channels, balance tanks and filters particularly in waters that are organically loaded. Bathers in warm spa pools will shed skin particles, sweat, mucus and oily substances that all contribute to the promotion of biofilm formation, even in well managed spas.



**GAFFEY**  
technical services ltd



Biofilms are not effectively destroyed by super-chlorination, hence why many operators experience bacteriological problems repeatedly returning shortly after such treatments.

Easy to apply, the LegioCid® treatment is added to a circulating spa pool where it is activated to allow a controlled release of chlorine dioxide, providing a powerful "chemical scrub" of the entire spa pool system. After several hours of circulation with the treatment, the water is de-chlorinated before being discharged to waste. A rinse cycle is performed before refilling the spa

The LegioCid® method avoids the need for physical dismantling of filters and pipework, therefore reducing time consuming operator involvement. LegioCid should be used at least monthly to maintain hygienic conditions. LegioCid can also be used in case of faecal contamination - chlorine dioxide is one of the few disinfection methods effective in destroying Cryptosporidium.

LegioCid® has been successfully used in many commercial spas, residential/rest homes and hospital facilities.

Each kit contains:

1 x 5kg LegioCid 'A' Liquid TCDO compound

1 x 1 kg LegioCid 'B' Activator

1 x 1 kg LegioCid 'C' Dechlorinator

Measuring beakers, instructions & Material Safety Data Sheets

Presented by