

# DesoPur®



## In-situ filter media regeneration



*DesoPur® is the economical and environmentally friendly solution for the on-site cleaning and regeneration of filter media.*

Contrary to popular belief, filter sand used in swimming pool filters does not wear out, even after many years of use. Silica (quartz) sand is an extremely hard material that can easily withstand the rigours of friction and chemical attack normally associated with commercial swimming pools.

### The Problem

Silica sand can become fouled with body fats and deposits of calcium salts. This gradual fouling reduces the effective surface area of the sand grains and causes them to stick together, eventually leading to poor filtration capacity and poor water clarity. Fouled filter media also provides an ideal environment for bacteria (particularly as *Pseudomonas Aeruginosa* and biofilms) to become established, increasing the chlorine demand of the pool system and the resulting chlorine disinfection by-products.

As well as poor water clarity, high combined chlorine levels and strong pool odour can often be a symptom of a 'dirty' filter.

### The solution?

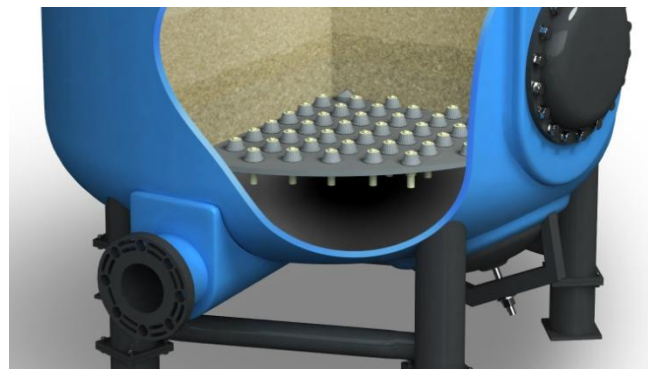
**Replace the sand?** – messy, labour intensive & time-consuming operation which usually requires pool closure. New sand media supplies, transport & waste disposal costs now add up to an expensive procedure. This course of action is unnecessary if the filter vessel is generally in sound condition.

**DesoPur®** is a patented TCDO chlorine dioxide treatment procedure, developed by developed by pool water disinfection specialist WAPOTEC® GmbH, to break-up compacted filter beds, remove body fats and oxidise biofilms and organic pollution. Correctly applied, the DesoPur treatment procedure restores silica sand and carbon media to its original condition (or better). It can be carried out quickly, easily and safely with non-hazardous, non-toxic DesoPur® - with a substantial cost saving and much lower impact on the environment, avoiding landfill / disposal issues. Results can be verified by laboratory tests if required.

**The additional advantage of using DesoPur® is that all of the filter vessel surfaces and underdrain pipework is decontaminated and disinfected - not just the filter media.**

### Advantages In Ozone Systems

For pools using ozone, even greater cost benefits are to be realised. Traditionally, the activated carbon used in de-ozonation vessels requires frequent replacement to ensure effective ozone adsorption. Using DesoPur® to completely regenerate activated carbon, in-situ, will save thousands of pounds over the lifetime of the plant.



*Disinfection & removal of biofilms from the filter surfaces, under-drain areas and lateral collector systems is an important additional benefit of using the DesoPur® treatment system.*

Contact your authorised pool maintenance contractor for further advice and a quotation.

Agent
-------