



Waterco Far East
Commercial water filter
Kuala Lumpur, Malaysia



Prolong equipment lifespan, reduce maintenance and improve operating efficiency with Waterco

Daikin Research and Development Malaysia Sdn Bhd (DRDM) was first established in 1998. With a total built up area of 7,340 square feet, it is the largest air-conditioner research and development (R&D) centre in South East Asia. The scope of R&D work in DRDM encompasses residential, light commercial, mini chiller, rooftop, inverter, water source and commercial air conditioner unit.

“ *Cleaner water for cooling tower is vital to prolong equipment lifespan, reduce maintenance requirement and improve operating efficiency.* ”

WATERCO
water, the liquid of life

Waterco Limited (ASX:WAT) pioneers reliable solutions for healthy, safe water environments, which are used in residential, commercial and industrial applications in over 40 countries. Established in 1981, it has become a global brand recognised for designing and manufacturing filtration and sanitisation equipment for the aquatic, aquaculture, and water treatment sectors.

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Removing industrial contaminants from cooling towers

The usage of cooling tower is common for cooling down industrially produced over-heated water to aid daily R&D work in DRDM. However, when water is utilised in such industrial application, the concentration of contaminants such as pollen, dirt, bacteria and other debris is bound to be high. A cleaner water for cooling tower is vital to prolong equipment lifespan, reduce maintenance requirement and improve operating efficiency.

At DRDM, a pre-installed strainer for cooling tower in the process line encountered clogging on numerous occasions. In order to resolve such issue, Mr Jeff Wee from DRDM reached out to Waterco Far East (WFE) for a filtration solution to maximise the performance of their cooling tower.



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Waterco proposed the commercial grade W400 filter with Glass Pearl media, a filtration solution to maximise the performance of their cooling tower.

Waterco's solution to superior water filtration

Waterco proposed the commercial grade W400 filter with Glass Pearl media. The specific spherical shape provides an extremely narrow particle size in creating a dense homogeneous filter media bed. This then enables filtering particles down to three microns. Coupled with the superior purity of glass pearl media that is chemically inert, it has great compatibility for filtering cooling tower water with various contaminants.

Waterco's Glass Pearls are manufactured from 100 per cent pure glass and offer much finer filtration than conventional filter media.

SUPERIOR PURITY

Whereas other filter media may contain a variety of contaminants, Waterco's Glass Pearls are chemically inert for superior purity. In fact, they are independently lab tested for leaching contaminants and found to be well within strict drinking water guidelines.

Their superior purity of Glass Pearls greatly reduces its initial backwashing requirements, prior to commissioning a filter, enabling a rapid start-up of media filters.

SAFE

Waterco Glass Pearls are safe to handle and service in comparison to other glass media options such as crushed glass. They are spherical in shape and free from sharp edges, making them really safe to use. And if there's ever a failure of the filter's laterals and Glass Pearls flow into the swimming pool, they pose no risk of injury to swimmers.

SUPERIOR DEPTH FILTRATION

Glass Pearls operate on the basis of depth filtration whereby dirt is driven through the filter bed and trapped in minute spaces between the particles of filter media, allowing the cleansed water to pass through.

Conventional media such as sand is crushed and sieved; they generally have an irregular structure and a larger variation in particle size. A conventional media filter bed is more porous and unable to trap fine particles.

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