



**Waterco USA**  
**Commercial water treatment**  
Pennsylvania, USA



# Specify Waterco fiberglass filters for reliability, durability and value

Many Olympic swimmers get their start in school and, for the students at this renowned private school in Fort Washington Pennsylvania, that means spending seven days a week training in a dedicated aquatic facility built for budding gold medallists.

The heated six-lane, 25-meter indoor pool is used for practice and inter-school competitive meets. This results in consistently high bather loads, which puts pressure on filtration and sanitization equipment.

When the pool's filter system began to fail in 2021 — compromising the quality of water and health of the students — the professionals at Premier Commercial Aquatics turned to a brand synonymous with reliability and durability: Waterco USA.

**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.

[www.waterco.us](http://www.waterco.us)



An ageing filtration system was affecting pool water quality and the health of swim school students who trained regularly at the facility.



A ramp was built to position Waterco's Commercial Fiberglass Filters due to a narrow hallway into the equipment room.

**Seamless one-piece vessels**

Waterco's Commercial Fiberglass Filters are made from continuous strands of high-quality fiberglass filament wound under controlled tension to create a seamless, impervious vessel. This produces a filter that is free from welds or seams, or special tank linings that typically corrode or electrolyze.

Furthermore, the lightweight vessels provide easy installation, making it easier when faced with small equipment rooms or difficult entryways.

"Access was problematic, so the filters had to be carefully navigated down a narrow hallway and then lowered down into the equipment room," explains HP Wertman. "We actually had to build a ramp to position the filters."

**Commercial filters that are easy to ship and install**

Manufactured from the highest grade of non-corrosive materials, Waterco's fiberglass vessels do not rust or deteriorate and are able to withstand damage from a wide range of water treatment chemicals.

They offer several advantages compared with steel vessels, such as:

**Superior durability:** Fiberglass vessels have a mechanical and chemical resistance superior to steel; it does not rust or corrode and is able to withstand damage from several types of water treatment chemicals. Additionally, they do not leave unsightly stains

**More lightweight:** Fiberglass tanks weigh only one third that of steel vessels, while maintaining the same level of strength. This makes them easy to ship and install

**Easy to maintain:** Once installed they are virtually free of maintenance or repairs. This compares with steel vessels, which require the anti-corrosive coating to be maintained periodically, with certified welders required to make repairs to the lining with epoxy coating

**Withstand high pressure:** Means they are an ideal solution for a wide range of applications including water treatment and commercial swimming pool facilities





*Waterco's new lateral configuration provides a more natural flow of water through the filter, ensuring optimum water filtration and balanced fluidization of the filter bed during backwashing.*

**Waterco's revolutionary lateral design**

Its individual laterals are shortened while maintaining filter media bed coverage to reduce the friction head loss of each lateral and further improve the filter's hydraulic efficiency. This reduces backwash run times, saves valuable water, and produces flatter, more uniform filter media bed after backwashing.

Waterco has vastly improved the hydraulic efficiency of its horizontal filter lateral system by looping its distributors and laterals. The new lateral configuration provides a more natural flow of water through the filter, ensures optimum water filtration and balanced fluidization of the filter bed during backwashing. Its individual laterals are shortened while maintaining filter media bed coverage, reducing the friction head loss of each lateral, further improving the filter's hydraulic efficiency.

**Benefits to client since installation**

To date, the filter area has increased by 50 per cent, flow has improved dramatically, and GPM is up to 90.

"Waterco knew the client needed to go with the best media filter to work with their specifications, which is why the horizontal 48" x 106" manifold system was chosen," explains Waterco USA business and marketing manager, Kristina Macias. "This produces perfect water clarity in an environment where there will be heavy body oils."



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Waterco   

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