



Quality Manufacturing

AmeriWater has been manufacturing quality water treatment equipment for industrial and medical industries since 1977, and has been producing high efficiency sand filters for cooling water since 1991. AmeriWater uses technology that has been proven to be superior in the industry for the removal of small micron particulates.

The complete line of AmeriWater treatment equipment includes: reverse osmosis, deionizers, softeners, filters and FDA approved water treatment systems. All products are manufactured under QS/GMP standards.

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High Efficiency Sand Filters

Cooling Water Filtration at its best!

How clean is your cooling water?

Particles responsible for fouling of heat transfer surfaces are smaller than 5 microns. AmeriWater high efficiency filters remove these extremely fine particles 0.25 μm to 0.5 μm to provide the true benefits of clean cooling water.

High Efficiency Sand Filters

The development of high efficiency sand filters has revolutionized cooling water filtration. Suspended solids can now be cost effectively removed to 1/4 or 1/2 micron with an automatic backwashing filter. Older technology multimedia filters only get down to about 10 microns. Since most cooling water particles are in the 1/2 to 5 micron size range, high efficiency filters are much better at removing these troublesome contaminants. More efficient filtration means greatly improved results with a smaller filter.

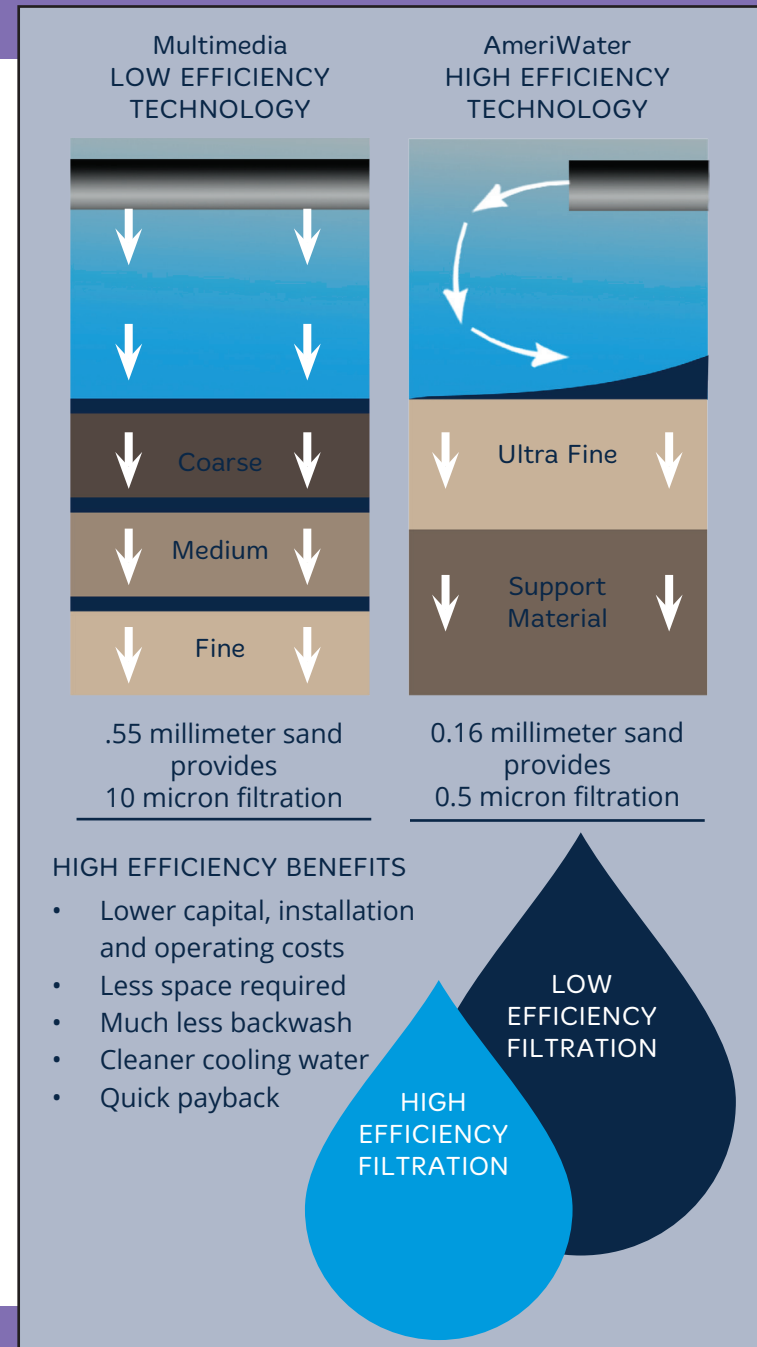
AmeriWater high efficiency filters use ultrafine sand to provide this much more effective filtration. The crossflow action of the water across the surface of the finer media prevents rapid plugging by pushing contaminants over to the storage area. Not only do filtration efficiencies improve dramatically, but the filters require up to 10 times less backwash water.

Cost Effective Filtration

AmeriWater high efficiency filters are much more efficient at removing the extremely fine particles that cooling towers scrub from the air. This greatly improved effectiveness allows these filters to be sized 4 to 5 times smaller than multimedia filters while providing much cleaner water. Multimedia filters sidestream 5 to 10% of the recirculation rate, while high efficiency filters only need 1 to 3%. Don't waste money on large inefficient filters utilizing old technology.

Filtration Results

- Cleaner heat transfer surfaces
- Improved microbial treatment effectiveness
- Minimized potential for Legionnaires' disease
- Reduced corrosion rates
- Cleaner sumps, fill and heat exchanges



Clean Water Benefits

- Energy savings
- Healthier workplace
- Risk reduction
- Longer equipment life
- Less maintenance and unscheduled downtime

Submicron filters made to last -

with minimal maintenance requirements.



Cooling Water Filtration at its best!

AmeriWater produces the most advanced automatic backwashing sand filter systems available.

Standard features include:

- 304 stainless steel vessels (ASME Certified or standard)
- Type L copper or Schedule 80 PVC manifold
- Individually motor controlled bronze ball valves with stainless steel internals
- Centrifugal pump with TEFC motor
- PLC control and motor starter package with single point power connection
- UL approved control panel
- Stainless steel support rails and pump skid
- Field switchable backwash source (city or system)
- Improved backwash design
- 1/2 micron filtration for cooling towers
- 1/4 micron filtration for closed loops

Sizes range from a single tank (24 GPM) system up to a six tank system (600 GPM). Backwash storage tanks (130 up to 1,000 gallons) available.

