

AquaRevival Regenerative Media Filters Replace Multiple Sand Bed Filters

Saves Money & Eliminates the Environmental Impact of Backwashing

A high-end resort with A-List clientele was looking to upgrade their high-rate sand bed filtration systems, which they were backwashing with several thousand gallons of heated, chemically-balanced water per week to the sewer.

AquaRevival replaced six (6) high-rate sand bed systems servicing three bodies of water with three (3) NSF/ANSI 50* AquaRevival regenerative media filters: the BSG 20, BSG 25, and BSG 40.

BENEFITS:

1. Client is measuring actual 19-23% reduction in electrical consumption running customized setups on standard Danfoss Aqua Drive (Pentair brand) variable frequency drives (VFDs), which immediately resulted in substantial energy savings. The pool turnover rates are precisely matched through the filter cycle and through the regeneration process delivering crystal clear, safe water down to 1 micron.
2. Near zero backwash water consumed. The only water loss occurs when a media change is performed, and the tank is rinsed and recharged with new perlite regenerative media.
3. Dosing chemical consumption slashed along with gas consumption at the heaters due to virtual elimination of the backwash cycles.
4. Client stated "Our pump room is going to become a profit center with the installation of this new AquaRevival technology. The feedback from our members and staff has been loud and clear...they love the new pool water!"

*also NSF/ANSI 61 and ANSI/NSF 372 rated for drinking water



BEFORE: Two Wasteful Filters per Pool Plus Congested Space



AFTER: One Efficient, Compact Filter per Pool with Room to Spare



Aqua-Revival.com
262.725.6081

AquaRevival Regenerative Media Filter Replaces Aged Vacuum DE Filter

Avoids Wall Demolition to Install Competitor's Filter

A middle school was looking to upgrade their vacuum diatomaceous earth grid-style filtration system, which was in very poor condition, and which had been fabricated in the pump room because of the large size of the filter.

Initially, a competitor's filter was specified. But, because of the high cost (over \$75k) of demolishing one wall of the gymnasium and pump room to install the competitor's regenerative media filter, the AquaRevival BSG 30 filter—NSF/ANSI 50* rated to 650 GPM—was chosen.

BENEFITS:

1. Old filter was cut up and hauled out of the pump room in about two hours.
2. The AquaRevival BSG 30 was moved through a vestibule, across the pool deck, through a standard door without removing the door casing, down the steps, and into place on a cleanup pad as seen in the adjacent photo in about an hour.
3. Re-piping and low voltage electrical to the filter controller took very little time, as did VFD programming, and startup training. Custom photos of the install were taken with a cell phone and loaded into the maintenance screens for instant operator confidence.
4. Client stated "The savings on demolition alone literally paid for the new AquaRevival regenerative media filter. We can't believe how good this looks in our pump room. It's a shame the public can't see it. We should have installed it on the pool deck so they can see it, too."

*also NSF/ANSI 61 and ANSI/NSF 372 rated for drinking water



BEFORE: Old Filter Cut Up for Disposal



AFTER: Filter Installed with No Demolition Required



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AquaRevival Regenerative Media Filters Replace Multiple Sand Bed Filters

Again Saving Money & Eliminating the Environmental Impact of Backwashing

A high school with a legacy of State Champion swimmers was looking to upgrade their wasteful high-rate sand bed filtration system, which they were backwashing with thousands of gallons of heated, chemically-balanced water per week to the sewer.

AquaRevival replaced two (2) high-rate sand bed systems servicing one body of water with one (1) NSF/ANSI 50* AquaRevival regenerative media filter: the BSG 30 rated to 650 GPM.

BENEFITS:

1. Client is measuring actual 21% reduction in electrical consumption running customized setups on standard Danfoss Aqua Drive (Pentair brand) variable frequency drives (VFDs), which immediately resulted in substantial energy savings. The pool turnover rates are precisely matched through the filter cycle and through the regeneration process delivering crystal clear, safe water down to 1 micron.
2. Near zero backwash water consumed. The only water loss occurs when a media change is performed, and the tank is rinsed and recharged with new perlite regenerative media.
3. Dosing chemical consumption reduced along with reduced gas consumption at the heaters due to virtual elimination of the backwash cycles.
4. Client stated "Startup training was virtual because of the pandemic. Everything went off without a hitch. Our water is amazing. We love the new AquaRevival filter!"

*also NSF/ANSI 61 and ANSI/NSF 372 rated for drinking water



BEFORE: Two Wasteful Sand Bed Filters



AFTER: One Efficient, Compact Filter with Room to Spare



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Single AquaRevival Regenerative Media Filter Replaces Multiple Troubled Competitor Filters

Technology and Customer Service Exceed Client's Expectations

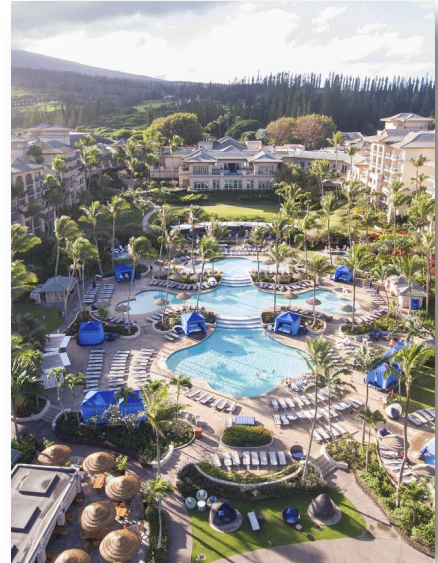
An exclusive resort in the South Pacific had repeated troubles over the life of their less than decade old pair of regenerative media filters. The first problem was a dangerously leaking packing gland, followed by multiple repairs to the urethane lining of both filters. Another complaint was excessive cleaning time with partial to full disassembly required to "un-gum the filter septums and tube sheet."

When the competitor's regenerative media filter worked, it produced great water. The problem was reliability; therefore a single AquaRevival BSG 50 filter—NSF/ANSI 50* rated to 1900 GPM—was chosen to replace the two competitor regenerative media filters that (apparently) weren't fit for purpose.

BENEFITS:

1. No lining or packing gland to fail on the MIL-STD passivated 304L AquaRevival filter. Patented sealing mechanism is inherently safe.
2. AquaRevival is designed for drinking water AND recreational water filtration in mind. Therefore, a built-in cleaning cycle runs a CIP (clean-in-place) protocol that brings the filter back to factory new head loss with no disassembly required.
3. Installation and startup took place during the pandemic so remote startup assistance and staff training was performed.
4. Client stated "We are going to put this filter into multiple properties, no question about it. This is the best new technology on the market, and frankly, it cost a fraction of what our old filters cost. To top it all off, they are friendlier people to work with, too."

*also NSF/ANSI 61 and ANSI/NSF 372 rated for drinking water



BEFORE: Beautiful Water and Unfailingly Available Pools



AFTER: 1900 GPM is No Problem, We Can Do 3800 GPM with One Filter



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