



Location: Beverly Hills, CA
Client: Alagem Capital Group
Capacity: 5,000 gallons/day
Source: Greywater from showers
Recycled Use: Irrigation

Aquacell GX20

Waldorf Astoria, Beverly Hills

The Property

The \$200-million 5-star hotel development is highlighted by a 12-story building adjacent to the iconic Beverly Hilton Hotel. This first Waldorf Astoria on the West Coast built from the ground up features 119 guest rooms and 51 suites. The hotel design takes inspiration from the Streamline Moderne style made popular in the 1930s and 1940s, with floor-to-ceiling windows and oversized private balconies. As expected with a Waldorf Astoria, the amenities are top shelf. There is a rooftop pool deck and bar, the largest of its kind in Beverly Hills. Other amenities include a restaurant run by famous French chef Jean-Georges Vongerichten, and the Waldorf Astoria Beverly Hills La Prairie Spa, which is the only La Prairie Spa in California. The hotel received LEED Gold certification in 2017, in part thanks to the Aquacell greywater recycling system.



The Aquacell Greywater Solution

Greywater is collected from showers in a portion of the guest rooms and suites and directed to a central collection point in the basement of the hotel. The Aquacell GX20 system then pumps the water from the greywater collection tank through the GX treatment skid, which consists of microfiltration, ultrafiltration, and chlorine dosing. All of these process components are neatly situated on one skid. This keeps the footprint small, allowing maximum flexibility in tight spaces.

Space and cost were the two key drivers that led ownership to select the Aquacell GX20 for installation at the Waldorf Astoria Beverly Hills. By using Aquacell's custom modular rectangular tanks and the Aquacell GX20 skid-mounted treatment system, all greywater system components were slotted into a tight space in the basement of the luxury hotel. The Aquacell GX20 model selected for the project is a perfect testament to the 'fit for purpose' design philosophy used by Aquacell for decades in Australia. The GX20 does not have some of the bells and whistles of other Aquacell greywater models, but it does include fitting process treatment for irrigation as an end use. The result is a safe and cost-effective greywater solution for the project.

In addition to supplying the greywater treatment equipment for the project, Aquacell by PHOENIX provided site-specific design, permitting, installation supervision, commissioning and operations, via a service contract with the owner.

