

# Utilizing a Tekleen Filtration System for Cleaning Well Water at a Commercial Brewery

Sierra Nevada has a longstanding commitment to sustainability. Part of this commitment is seen in its extensive water treatment program that works to provide clean water to the facility with little waste.

Filtered well water is used to manufacture their extensive line of beers and for drinking water. This brewing and drinking water is taken from three wells. It is super-soft water ideal for brewing. A Tekleen model MTF3-L filters this water down to 5 microns. The Tekleen filter is used as a pre-filter to an existing cartridge filter that previously would become blinded, or clogged, rapidly, requiring laborious cleaning and downtime. That cartridge has not had to be changed for several years as a result of the Tekleen system, which is self-cleaning and operates without significant water waste.

With the Tekleen system in place, the brewery is able to achieve their sustainability target with as much efficiency as possible, and without significant interruption to service.

Sierra Nevada selected Tekleen for its North Carolina facility because of previous experience with a Tekleen installation at its Chico, CA brewery.

Tekleen filters clean themselves of internal debris when sensors determine that it is required by measuring pressure. The filters discharge the accumulated debris, along with a minimum amount of wastewater.

In addition to providing clean water to the cooling tower, separate Tekleen systems are used to filter water from collected rainwater for use in the irrigation system, and to provide clean water to the facility cooling tower.

*Copper clad brew kettles at the Sierra Nevada brewery.*



*The Tekleen well water filtration system at Sierra Nevada Brewing Co., Fletcher, NC*



*The Sierra Nevada brewing facility was built between 2012 and 2014. The restaurant opened in 2015. Filtered well water is used for making the beer product and for drinking water.*



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*Tekleen industrial self-cleaning water filters are suitable for a wide range of applications: HVAC, petrochemical, pulp & paper, drinking water, golf & turf, sugar processing, metal processing, waste water, sea water filtration, greenhouse & nursery, plastics manufacturing, food industry, power generation, car wash water reuse and recycling, and fruit & vegetable irrigation.*