

GF Piping Systems

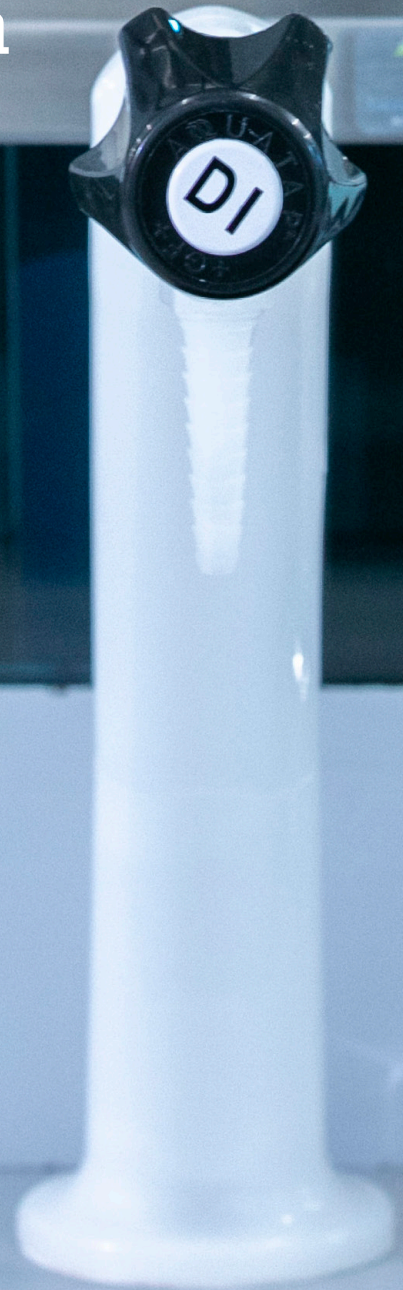
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## AquaTap™ Recirculating Faucet

Innovative solution for microbial  
contamination prevention

Water Works, Inc., San Diego, CA

AquaTap faucets with In-line flow  
diverter (IFD) prevents microbial  
contamination and dead legs



# Water Works

## San Diego, CA

In the rapidly advancing field of biotechnology, the risk of microbial contaminants is a significant concern. High-precision techniques such as polymerase chain reaction and DNA sequencing are particularly vulnerable to contamination. The potential for lab water to introduce bacteria into costly experiments, which can cost thousands of dollars, poses a serious threat. With San Diego's city water containing approximately 600 parts per million of total dissolved solids and DI water measuring less than 5 parts per billion, significant effort was dedicated to engineering a centralized purification system.

### Solution

The AquaTap™ faucets, designed by GF Piping Systems are designed to recirculate water all the way to the faucet tip, effectively minimizing dead legs and reducing the potential for microbial contamination. It has the lowest microbial contamination propensity compared to other faucet options on the market, making it an ideal choice for sensitive applications. The AquaTap faucet works in conjunction with the In-line flow diverter, which creates a pressure differential to create constant recirculating flow of water from the main line to the AquaTap faucet outlet. The AquaTap system promotes efficient recirculation and reduces the need for complex piping layouts. The AquaTap system ensures the DI water created in the centralized purification system is constantly recirculated to the faucet and maintains the water purity needed for experiments.

### Results

As a new facility for a top 10 pharmaceutical company is being built in the area, the preference for AquaTap™ faucets has been reaffirmed due to previous positive experiences. In multiple buildings within the area, there are around 50 AquaTaps installed in each building. The AquaTap system saves significant amounts of water, which is important given the costly nature of DI water production, and it effectively prevents dead legs.

### Customer comments

"Once a customer uses the AquaTap™ system and understands the cleanliness and the convenience of it, they use it again."

John Wammes  
Senior Business Advisor at Water Works, Inc.



GF AquaTap™ recirculating laboratory faucets installed in combination with In-line flow diverter (IFD) eliminate dead-legs at all points of use to maintain purity throughout the DI water.



Water Works, Inc. chose the AquaTap for this installation specifically to maintain high purity all the way to the point of use.

For more information about AquaTap,  
please either scan the QR code or [click here](#).



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