

## Water Filtration Plant

In March 2013, Pure Aqua successfully manufactured and supplied a water filtration plant to a major hotel in Ghana to remove particulates, chlorine, organics, odor, hardness, and bacteria from well water. The water filtration plant is composed of multimedia, activated carbon, water softener, UV sterilizers, and cartridge filtration. The multi-media and activated carbon filters were selected from our MF-600 Series and both used 42" diameter FRP tanks. Both came with duplex arrangements, aquamatic valves and digital stagers along with interconnecting piping and wiring. The twin alternating water softener was selected from our SF-110F series, model # WSF48-1200-4-T. This twin alternating arrangement also came with aquamatic valves and digital stagers along with interconnecting piping and wiring. All were chosen to handle a flow rate of 120 GPM. Since its startup, the water filtration plant has been running smoothly with minimal trouble-shooting.



### System Overview

Location:	Ghana
End-User:	A major hotel
Capacity:	120 GPM
Water Source:	Well Water
Objective:	To remove chlorine, hardness, and turbidity.
Application:	Potable & General Use
Chlorine Feed:	0.5 ppm
Maximum Design Pressure:	125 psi
TSS:	20 ppm
Feed SDI:	Less than 7
Turbidity:	5 NTU
Hardness:	250 ppm

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Designed and  
Manufactured in  
Southern California,  
USA

Pure Aqua Inc. is an  
ISO: 9001 certified  
company with over a  
decade of experience  
in advanced system  
design and  
manufacturing.

Using the latest  
technology in 3D  
Computer Aided  
Design (CAD) software  
allows for highly  
detailed and functional  
design. This reduces  
material cost and  
environmental impact,  
while maintaining  
quality and reliability.

Our modular systems  
are engineered for  
ease of integration and  
delivery to many  
locations worldwide.