



# Potable Water Treatment

*Effective potable water treatment for lodges & campsites*



Aqua Services & Engineering offers various solutions for all drinking water treatment needs, which include surface water treatment plants, softeners, brackish water desalination plants and various chemical solutions. Our commitment to guarantee safe, dependable and affordable drinking water is backed by decades of hands-on experience at hundreds of water treatment facilities throughout Namibia, applying cutting-edge technologies to ensure customer needs.

## Filtration plants for surface water

Many tourism establishments are located along surface waters, especially along the perennial rivers in northern Namibia. While this gives the lodge an almost endless supply of fresh water, this water needs treatment before it can be used at any lodge or campsite.

Aqua Services and Engineering can provide simple, yet effective, small scale direct floc filtration plants. These plants primarily remove any suspended solids and disinfect the water, in order to achieve drinking water standards. Typical treatment plant capacities range from 1 to 5 m<sup>3</sup>/h.



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## Water softening plants

Many tourism establishments solely rely on boreholes as their primary water source. While many boreholes supply perfectly clean drinking water, elevated hardness levels are a nuisance for water infrastructure such as pipes, geysers, taps etc, due to the associated scaling issues.

Aqua Services and Engineering can provide simple water softening units. These fully automatic units use ion exchange technology to permanently remove the hardness of the water, thereby reducing scaling induced maintenance and repair costs drastically. ASE can offer simplex or duplex units, depending if downtime during regeneration is acceptable or not. Our softeners can treat between 1 and 10 m<sup>3</sup>/h.



## Brackish water desalination plants

Aqua Services and Engineering can offer simple reverse osmosis (RO) membrane plants, where water is currently not fit for consumption, due to the high salinity of the water. These units are easy to operate, quick to install, while the maintenance cost are low. The plant capacities range from 250 L/hr to 2000 L/hr for low TDS feed water (Feed TDS < 1500 mg/L).



## Hydrex / SeaQuest solutions

The Hydrex range of Veolia reagents and the SeaQuest sequestrant, provide unobtrusive applications for use in drinking water to control corrosion, scale, discolouring due to metals present in the water. ASE can install simple dosing systems, which automatically dose SeaQuest when a flow sensor detects flow, to ensure healthy potable water.

## Service and maintenance

We offer the full range of services for water treatment, including analysis and quality monitoring, plant optimisation, planned maintenance, service & repair and emergency assistance.



Contact us today for more detailed information and quotations

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