

Nimbus Water Technologies – Designed Water Filtration Technology & Solutions for application



Commercial & Industrial water treatment plant designed for application and purpose. Not often that one type of filtration plant for a specific application is the same as a previous filtration plant. **CRITICAL** - Need to consider the raw feed water quality, production flow required per hour, the pump/s & pump pressure. In short, one type of filtration process & technology unable to treat all of the microbiological, physical, aesthetic, operational & chemical contaminant – there is limitations to what each devise or technology can achieve in the overall filtration process.. **For Example** - A **water softener** with resin media [negative charge], as an ion exchange system/devise, withdraws all positive ions from the water – i.e: calcium (lime), magnesium salts and dissolved minerals that cause hardness & lime scale precipitation. Is NOT a water filtration system. A similar ion exchange concept is used to **remove Iron, or heavy metals** from the raw water, using a special BIRM media. **OUR ADVISE IS FREE.**



For Example – left. A typical high flow rate per hour potable water treatment plant at high operating pressure. Applied & installed technology to ensure water to usage points/areas, meet with SANS241 requirements for potable drinking water.



For Example – left. A typical inline water back up & filtration system for municipal or borehole water, for hospital/clinic and office block in Sandton. Raw feed water to water storage, treated on demand to meet potable SANS241 requirements at usage points.



For Example – left. A typical potable water treatment plant build into 6m containers for remote sites in Africa. Raw feed water quality was unsafe for human consumption. A number of treatment technologies installed, in line to achieve the required SANS241 water quality. Chemical dosing, Ozone, Silica filtration, GAC Filtration, Softening and Ultra Violet, and to specific areas, clinic and kitchens, Reverse Osmosis processed water – ALL DESIGNED FOR APPLICATION.



For Example – left. A typical HIGH FLOW DUPLEX water softening plant designed for application, considering the volume of treated water required, the CaCO3 hardness and dissolved in-organic salts in the water.

Pictures RIGHT – Part of designed Reverse Osmosis water treatment plant for commercial foods company, requiring a high degree of purified water for food processing. .