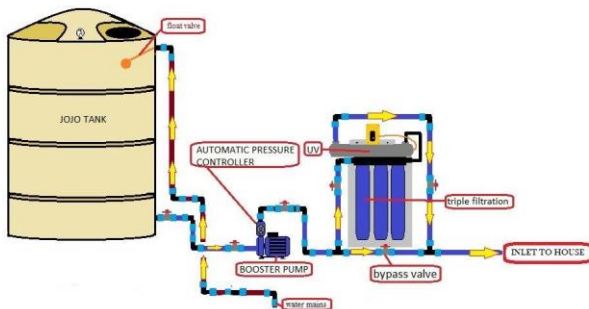


Nimbus Water Technologies – Municipal or Borehole Water Buffer/Back-up system with Filtration Options



ABOVE - Typical mains, or borehole water back-up/buffer water storage with filtration projects. Mains water supply routed into holding tank/s via approved NON RETURN VALVE [required by law, to prevent any push-back of water from tank back into the municipal water lines] with fitted tank ball & float valve, to control the water level & supply of mains water into tank/s. From Tank/s via QUALITY BRAND water booster pump with electric automatic pressure control, water pumped through twin, or triple filtration, [2 x sediment filtration & carbon filtration to 5um and final treatment, Ultra Violet] {Option of filtration to be discussed} – treating all the water going into the home, lodge, B&B, or commercial office building, on demand. – See table below for quote information required by Nimbus WaterTec

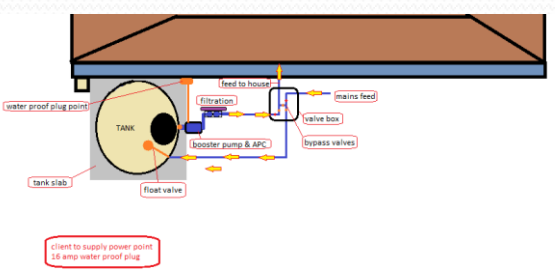


EXAMPLE - Municipal water back up system plus advanced water treatment/filtration system for domestic or light commercial applications

Client brief. Provision for water “outages” – connect mains water supply to tank, need a buffer supply for minimum 3 days.

Water to be safe, meet SANS241 requirements for all purpose & drinking water in the home.

Installed processes – mains to 5000lt tank via approved NRV, pump with APC & filtration & UV to home – all water into home treated & safe for drinking.



PLAN - Domestic - Municipal water back up system plus water treatment system

Client brief. Provision for water “outages” – Connect mains water supply to a buffer tank. How many days water supply will be required? Tank sizes, 750, 1000, 1500, 2500, 5000 lt.

Water to be safe, meet SANS241 requirements for all purpose & drinking water in the home. Water must not “age” in tank.

Installed processes – mains to 5000lt tank via approved NRV, water pressure pump with APC & filtration with UV to home – all water into home treated & safe for drinking. Treatment of water post tank, a suggested requirement, to reduce the risk of health issues, IF water in tank is bacteria contaminated due to “aging”.

To assist with a detailed quote, Nimbus require the following	Following acceptance of the quote estimate, a Nimbus technician or installer need to visit the site to inspect the scope of the work involved, especially trenching and plumbing work required.
REQUIRED WATER STORAGE/TANK SIZE	As a rule, the CSIR guide for water usage in the home is +88-110lt per person per day. Shower/bath, toilets, clothes washing, kitchen/dishes, food prep – no irrigation or pool fill. Or can calculate from your municipal account daily usage.
WATER FILTRATION REQUIRED & LEGAL ISSUE of RISK – Service provider.	Municipal water to tank, SHOULD comply with SANS241 standards for POTABLE WATER. Legally, once you place the water in a storage system, YOU become the service provider and your responsibility to ensure the water 24/7 is safe for human consumption & drinking purposes. Reason why Nimbus suggest water filtration & UV as part of the system.
POWER SUPPLY for water pressure pump and UV system	Nimbus will need a 2 x 220V, 16AMP, external power point close to area of installation for the pump & UV on filtration system. Only a registered electrician may supply & install the power point if not in range of the system.
TANK BASE REQUIRED	A level compacted area, or building brick/paving, or concrete base area of Xm ² x Ym ² is required for the tank. Tank must be level. A full 2500lt tank is 2500kgs, or 2.5 tons, 5000lt tank, 5.0 tons. Nimbus can cost this into our quote or can be done by client appointed contractor to size specification supplied by Nimbus.