

BWT/WTU 001/SF

Water Storage Tank Unit

BWT/WTU units are designed to meet the requirements of specific applications. By matching suitable pumps, UV units and controls for any particular site criteria, e.g. volume of storage, peak demand flow, incoming water quality etc., we are able to produce equipment to serve a wide range of systems.

BWT/WTU units offer the following benefits:

- Continuous circulation eliminates stagnation within the tank served.
- All water is passed through the UV unit immediately prior to distribution for maximum protection against water borne bacteria.
- Contamination of the water system originating from the storage tank is avoided.
- No chemical additives are used - the taste, colour and chemical composition of the water remains unchanged.
- No toxic chemicals are used:
 - ◆ NO handling of toxic or corrosive chemicals required.
 - ◆ NO special clothing or eye protection required.
 - ◆ NO storage of toxic or corrosive chemicals required.
 - ◆ NO disposal of chemical containers required.

ENVIRONMENTALLY
FRIENDLY

Specification

BWT/WTU units may be designed to a variety of specifications to suit particular site conditions and requirements. Generally, BWT/WTU units comprise of a continuously rated centrifugal pump, an ultra violet sterilization unit, a flow indication and protection device, water level controls and unit controls all mounted on a steel framework. The ultra violet sterilization unit comprises of a stainless steel vessel with an internal quartz tube housing the UV arc tube. The components are connected using ABS pipework and fittings. The water level control probe assembly is supplied loose for fitting by others. The equipment requires a single phase power supply and would be fully tested prior to despatch from our works. The units are designed to provide adequate circulation of the stored water and treatment of the maximum peak demand flow rate from the tank served.

Options such as weatherproof cabinet, UV intensity monitors, filters, special power supply requirements etc. are all available on request.

Maintenance

BWT/WTU units require little in the way of regular maintenance. The units should be monitored regularly to ensure correct operation and will require cleaning at regular intervals depending on the site conditions and incoming water quality. In addition the UV lamp(s) will require changing after 8000 hours usage (approx. 11 months).

Full Installation, Operating and Maintenance Instructions are supplied with the equipment.

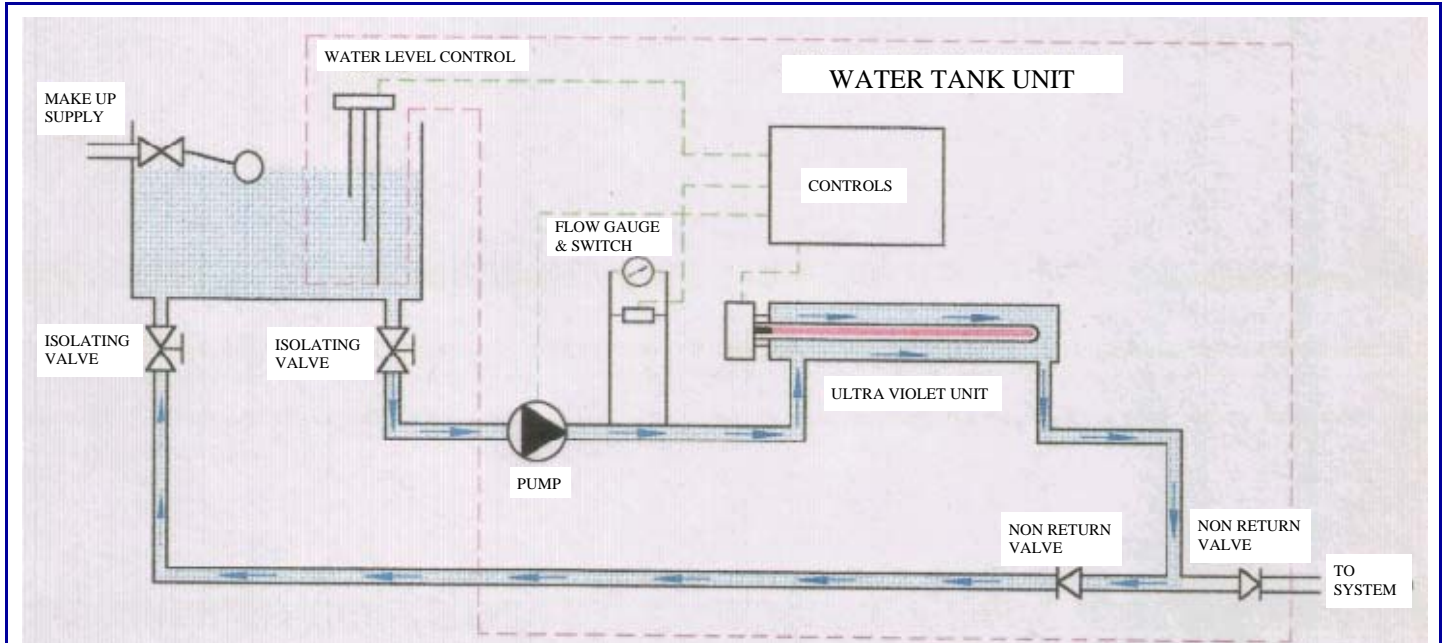


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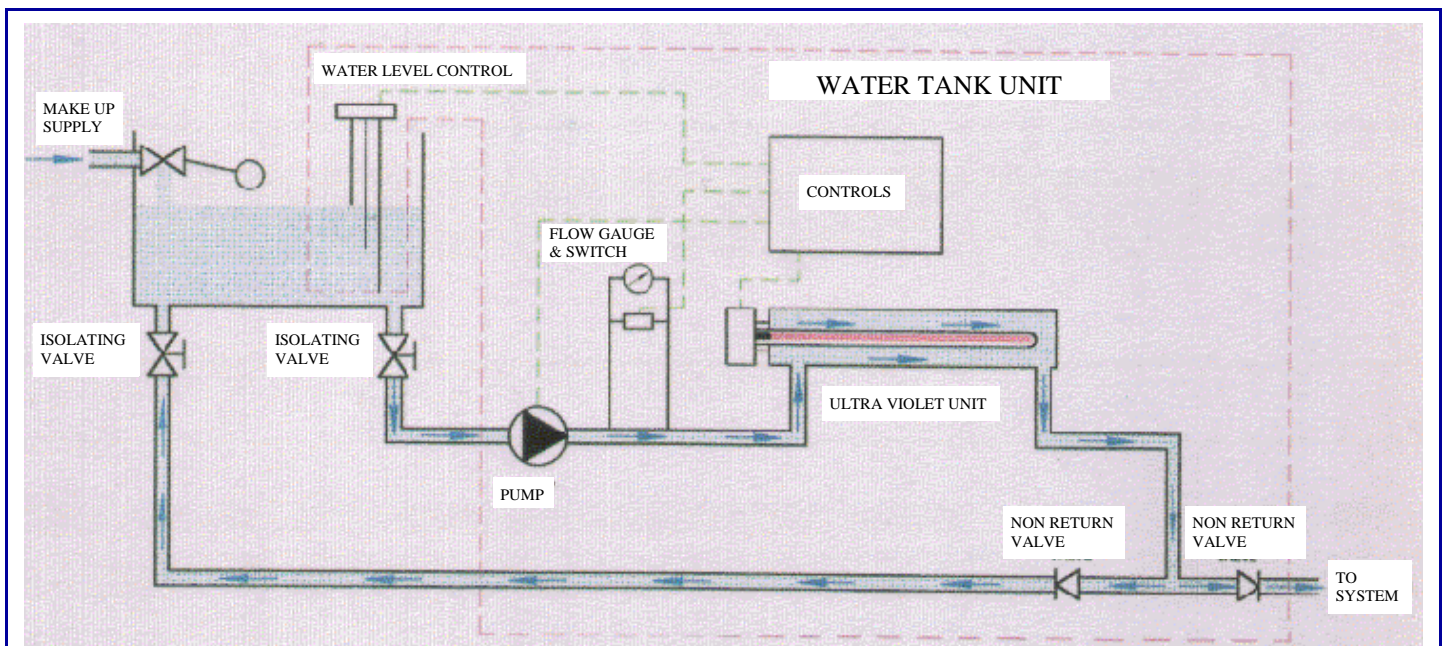
Water Storage Tank Unit

BWT/WTU Water Storage Tank Units are designed to circulate water around storage tanks in order to prevent stagnation, control microbiological activity and pre-treat the water prior to supply to the distribution system.



BWT/WTU WATER TANK UNIT OPERATING WITH NO SYSTEM DEMAND

Sterilisation of the circulated water is effected by the application of intense Ultra Violet light for continuous kill without the use of chemical additives.



BWT/WTU WATER TANK UNIT OPERATING WITH NORMAL SYSTEM DEMAND

Water drawn from the tank is taken from the outlet connection of the WTU unit ensuring that the whole flow is exposed to the ultra violet as it is delivered ensuring full treatment of the water supplied.