



## Commissioning Procedure

### Syphon Dump Valve for Emergency Tank Showers

The following guide explains how the syphon dump valve works and outlines how to adjust the water dumping frequency.



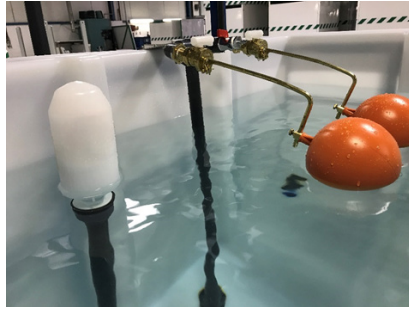
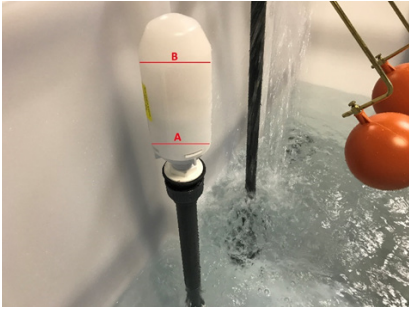
## Installation and Adjusting Water Dump Frequency



Connect the tank shower water inlet to the mains supply and begin to fill the tank.

Water enters the tank via the ballcock valves.

*The hand operated water dump frequency valve is highlighted*



The water level will continue to rise to point A on the syphon dump valve via the water inlet ballcock valves.

Once the water level reaches point A the hand operated water dump frequency valve will then fill the tank water level up to point B on the syphon dump valve.



Once the water has reached point A on the syphon dump valve the frequency of water dumps can now be adjusted using the hand operated water dump frequency valve.

The valve is adjusted in our factory to the point where there is a frequent drip coming out of the valve outlet. It must be adjusted on site after installation to meet the clients water inlet pressure, flow and water dumping frequency requirements.

The frequency of water dumps can be increased by simply opening the hand operated water dump frequency valve more so there is a steady flow of water.

For the water level to reach point B on the syphon dump valve no water should be coming out of the water inlet ballcock valves.

*Default factory setting - a constant steady drip from the hand operated water dump frequency valve outlet*

*Adjusted setting set to a quicker water dumping rate allowing steady flow of water from the frequency valve*





Once adjusted to suit, the water level will continue to rise to point B on the syphon dump valve. The time this takes is dependant upon how much water is coming from the hand operated water dump frequency valve.

When the water level reaches point B on the syphon dump valve the tank will start to dump water out of the overflow pipe.



The water will continue drain out of the overflow pipework until the water level reaches point A again on the syphon dump valve.

**Please note:**

The syphon dump valve will only ever drain the water inside the tank from point A to point B on the dump valve, it will not drain all the water in the tank.

Once the water draining cycle has finished then the draining procedure starts over again with water from the hand operated water dump frequency valve continuing to fill the tank to point B on the syphon dump valve. And so the process repeats.

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