

Mechanical Water Top Up Valve for Rainwater Tanks

Mains Water Top Up Valve

Application

- Backup water supply control valve.
- The valve is designed to be connected to a mains water supply on a rainwater tank. It will provide a backup supply of water in the event of demand exceeding rain supply, whilst ensuring maximum rainwater storage at the next rainfall.

Operating Principle

Under normal conditions, rainwater will fill the tank. If the rainwater level drops below a pre-set level, the valve will open to raise the water level 10 cm using mains water.

Specification

- Cold mains pressure water connection.
- Inlet 20mm 3/4" BSP male
- Minimum inlet pressure 55 kPa (8 P.S.I.).
- Maximum inlet pressure 1000 kPa (150 P.S.I.).
- Maximum water temperature 60°C.
- Supplied with inlet strainer.

Installation

- Do not restrict inlet water flow.
- Not to be modified.
- Valve must be installed horizontally.
- Overflow discharge must be visible.
- Overflow and air gap to comply with local standards
- The minimum water level is easily set at any height during installation by adjusting the cord length.
- Cord must hang freely.



Pumped Water Top Up Valve

Application

The valve is an inlet control device which allows for variable minimum and maximum water level settings within a water tank when filling from a pump.

Operating Principal

The valve will be closed when both weights are submerged (maximum water level). The valve will remain closed until the bottom weight is exposed (minimum water level). The valve will then open and remain open until the maximum level is reached.

Benefits

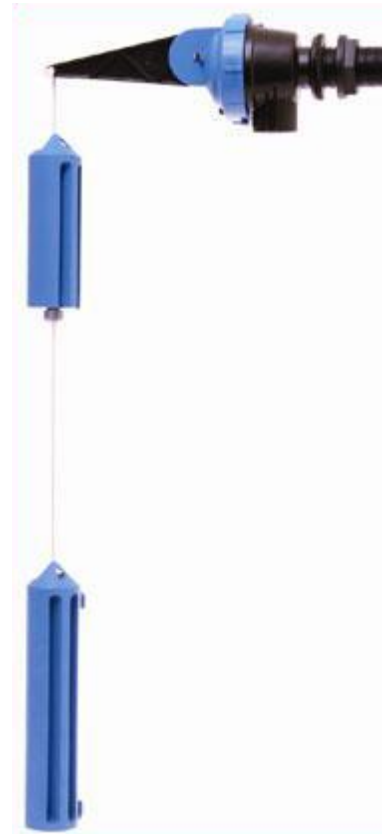
- A high volume water inlet control device.
- Variable adjustment between minimum and maximum water levels.
- Reduces pump run time (saves electricity).
- Increases pump life.

Specifications

- Minimum inlet pressure 55 kPa (8 P.S.I.).
- Maximum inlet pressure 1000 kPa (150 P.S.I.).

Installation

- Do not restrict inlet water flow.
- Not to be modified.
- Not to be connected to a mains water supply.
- Valve must be installed horizontally.
- The maximum level is set by adjusting the top weight cord.
- The minimum water level is set by adjusting the length of the cord between the two weights.
- Valve installation must be in accordance with water regulations.



About Halsted Rain

Halsted Rain is a supplier of urban rainwater harvesting and wastewater systems. We offer a range of modular tanks, filters, pumps, mains top up kits and treatment units designed for installation above and below ground that offer simple and affordable solutions when space and access is restricted, or ground conditions are poor. Our products are ideally suited for residential and commercial property particularly as a retrofit solution.