



Standard Non Pressurised Control Unit

Product Data Sheet

Product Description

The Stormsaver standard non pressurised control unit offers a solution for buildings that have space above ground for a header tank at high, or low level with the addition of a booster set.

The control unit houses the control panel and comes with a BMS common fault alarm. As an optional extra a cartridge filter (see separate data sheet) can be fitted externally to the unit to provide additional filtration.

The standard non pressurised unit controls the submersible pump so that water is pumped from the storage tank, via an airgap that is compliant with the Water Supply (Water Fittings) Regulations 1999, to a header tank/ tanks that are sized to site specific requirements, and then gravity fed to the points of use. If space is not available at high level then the header tank can be located at floor level and water boosted to the appliances via a separate booster set.

In periods of low rainfall the system provides an efficient mains water top up to the header tank via a type AB airgap (see separate data sheet). Should there be an interruption to the power supply or a problem with the pump, the unit will automatically switch over to mains water. It also comes with a BMS common fault output as standard.

Pressure Data

The unit is capable of providing a maximum flow rate of 2L/s. Should pressure be required for applications a booster set can be added as an optional extra after the header tank.

Pressure data can be variable depending upon the pump type, pipe run lengths, type of pipework, valves and debris within pipes etc.

It is important to understand that as the filters blind the discharge pressure and flow rate of the unit will fall below stated figures.

Technical Details

Colour	RAL 7035 - Cream
Housing Material	Powder coated steel
Power Supply	Requires 240v 20A single phase with Type D circuit breaker
Weight	45kg
Dimensions	400mm (H) x 600mm (W) x 140mm (D)
Location	The unit is not weather proof and must NOT be exposed to the elements. Extreme temperatures should also be avoided, so it is not subjected to warming or freezing. For access purposes a minimum of 1000mm is required at the front of the unit to open the door and a minimum of 450mm to each side.

Stormsaver Ltd.

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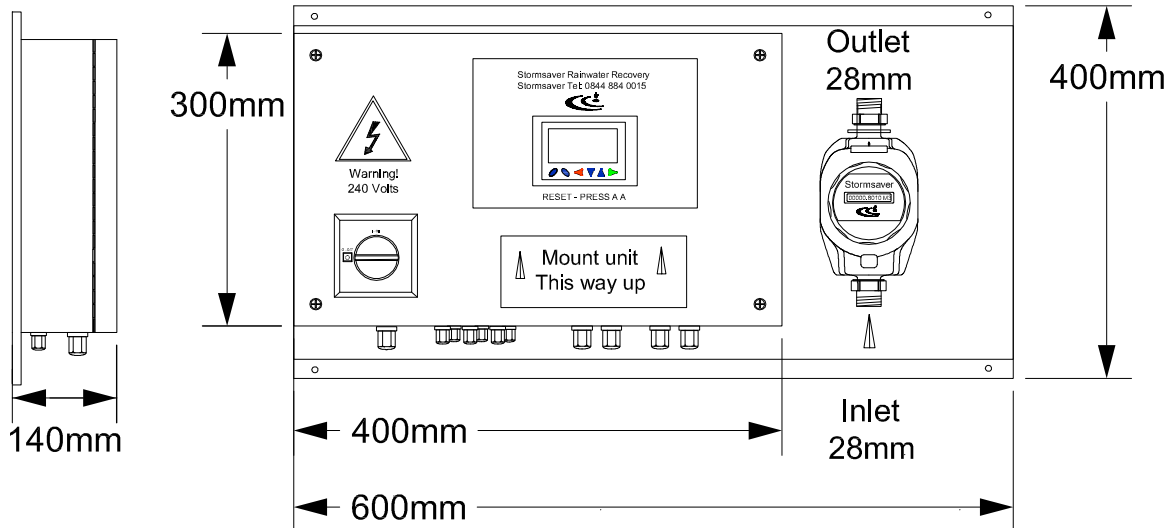
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Technical Drawing



Drawing not to scale

Connection Sizes

Component	Description
Rainwater inlet	28mm - connects to pipe work from the submersible pump in tank
Pressurised outlet	28mm - connects to pipe work to the header tank and on to points of use.

Optional Extras

Upgrade Option	Details
BMS (max. of 5 available from list opposite)	<ul style="list-style-type: none"> - Zero Flow (2) - Pump overload A (3) - Mains water meter (4) - Rainwater meter (5) - Pump A run (6) - Pump overload B (7) - Pump B run (8) - 10% low level warning (9)
Pumps	<ul style="list-style-type: none"> - 2 pumps duty standby - Booster set after header tank
Filtration	<ul style="list-style-type: none"> - cartridge filter - auto backwash filter

Installation / Location

- The unit is NOT weather proof and must not be exposed to the elements or extremes in temperatures.

- The unit should be wall mounted at eye level so that access can be gained without the use of ladders or scaffolding.

- The unit requires adequate access for maintenance, with a minimum of 450mm above and below the unit, 1000mm in front and a minimum of 450mm at the side for connection of pipework.

- The unit will need to be located so access can be gained for an electrical supply, rainwater supply and a mainswater supply.

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