



Singlex Non Pressurised Control Unit

Product Data Sheet

Product Description

The Stormsaver singlex non pressurised control unit offers a solution for commercial buildings that have space above ground for a header tank at high, or low level.

The control unit houses the control panel, a small pressurisation unit and auto backwashing filtration to 35 microns.

From the singlex non pressurised unit the water is pumped 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

Inlet Pressure	3.0 bar
Pressure drop across unit with clean filter	1.5 bar
Discharge pressure with clean filter	1.5 bar
Discharge pressure with 50% blocked filter	1.0 bar

Pressure data can be variable depending upon the pump pressure, 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 5005 - Blue
Housing Material	Powder coated steel
Power Supply	Requires 240v 20A single phase with Type D breaker
Weight	45kg
Dimensions	920mm (H) x 580mm (W) x 230mm (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.

Autobackwash Filter Details

The auto backwashing filter is operated by the system controls, which monitors the differential pressure either side of the filter. When a 1 bar pressure drop is detected the actuator turns. This allows the pump to run and water to enter the 8L pressure vessel built into the panel, and when this is pressurised it backwashes the filter, with the waste water going to drain. As soon as the process is complete the actuator is turned and the system will continue to run as normal. Each backwash should take no more than 10 seconds.

The system will automatically carry out a backwash every 24 hours, even if a pressure change is not detected to ensure maximum filter efficiency.

Stormsaver Ltd.

Hockerton Moor Enterprise Park
Winkburn Lane | Hockerton
Newark | Nottinghamshire
NG22 8FL

T 01636 815254

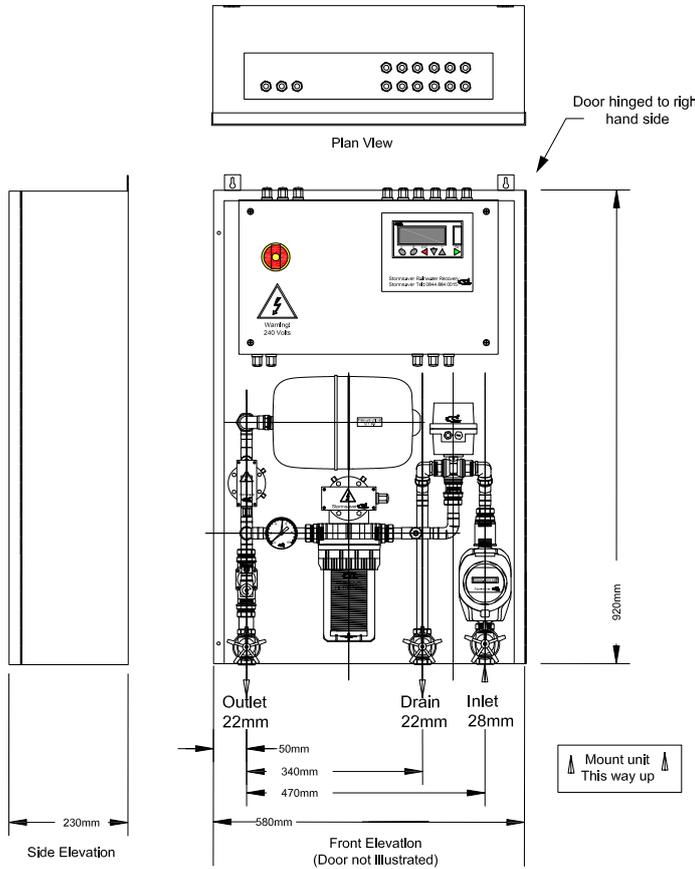
e enquiries@stormsaver.com

f Like us on facebook

t Follow us on twitter



Technical Drawing



Drawing not to scale

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 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 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, mainswater supply and a drain.
- The drain connection will need to be made into a sealed trapped gully as water will be at pressure.
- If a Header tank is required it should be no more than 2m above the Singlex processor unit.

Connection Sizes

Component	Description
Rainwater inlet	28mm - connects to pipe work from the submersible pump in tank
Pressurised outlet	22mm - connects to pipe work to the header tank and on to points of use.
Drain	22mm waste pipe - connects to drain via a sealed trapped gully

Optional Extras

Upgrade Option	Details
BMS	<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	- 2 pumps duty standby

Stormsaver Ltd. T 01636 815254
 Hockerton Moor Enterprise Park e enquiries@stormsaver.com
 Winkburn Lane | Hockerton f Like us on facebook
 Newark | Nottinghamshire t Follow us on twitter
 NG22 8FL

