Stormsaver

Product Data Sheet
Express 225 Combi

Proud UK Manufacturer

Product Description

The Stormsaver Express Filter Combi offers a solution for commercial buildings where space above ground is limited. It also lends itself to retro fit projects, or for sites that require water at pressure.

The Express Filter Combi is a single enclosed unit that houses the control panel, a 225L break tank, an auto backwashing 35 micron filter, and a single pump booster set, which can only be variable speed. It can be used in many types of buildings provided that the mains water pressure and flow rates match those met by the booster set. This is critical to ensure that the capabilities of the unit are matched to the water demands of the individual building. This product supplies a direct pressurised water supply.

The unit has a Type 'AB' Airbreak that is compliant with the Water Supply (Water Fittings) Regulations 1999. It also comes with a BMS common fault output as standard.

Learn More
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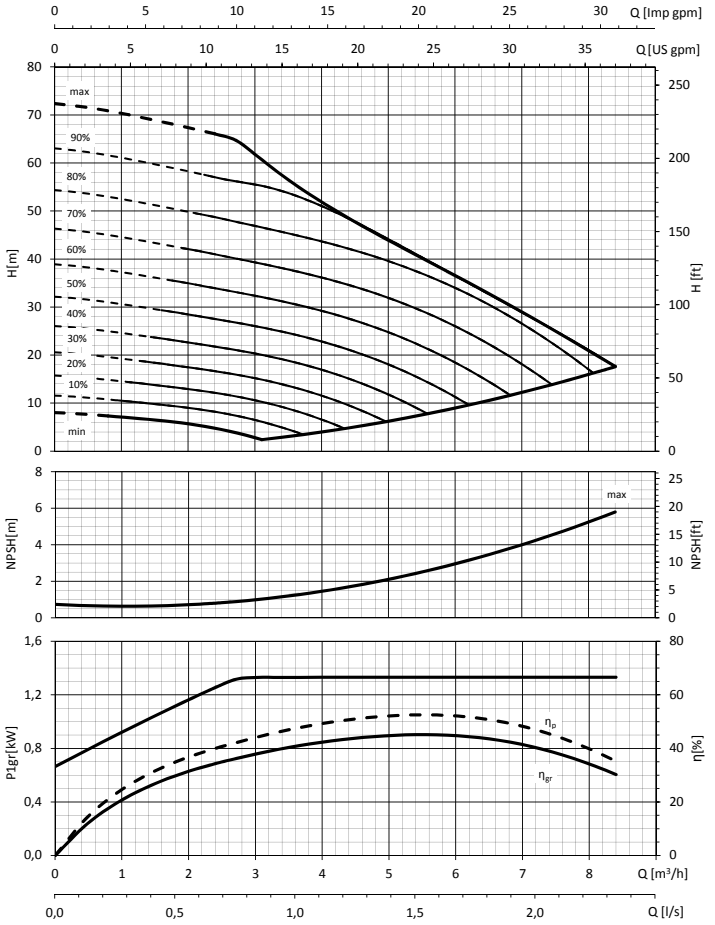
Booster Pump Flow Rate

Variable Speed Pump Curve



Only variable speed pumps are available with the Combi 225L.

Colour	RAL 5005 - Blue
Housing Material	GRP
Power Supply	240v 20A single phase with Type C20 breaker
Auto backwash Filter	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.

Water Reuse Specialists
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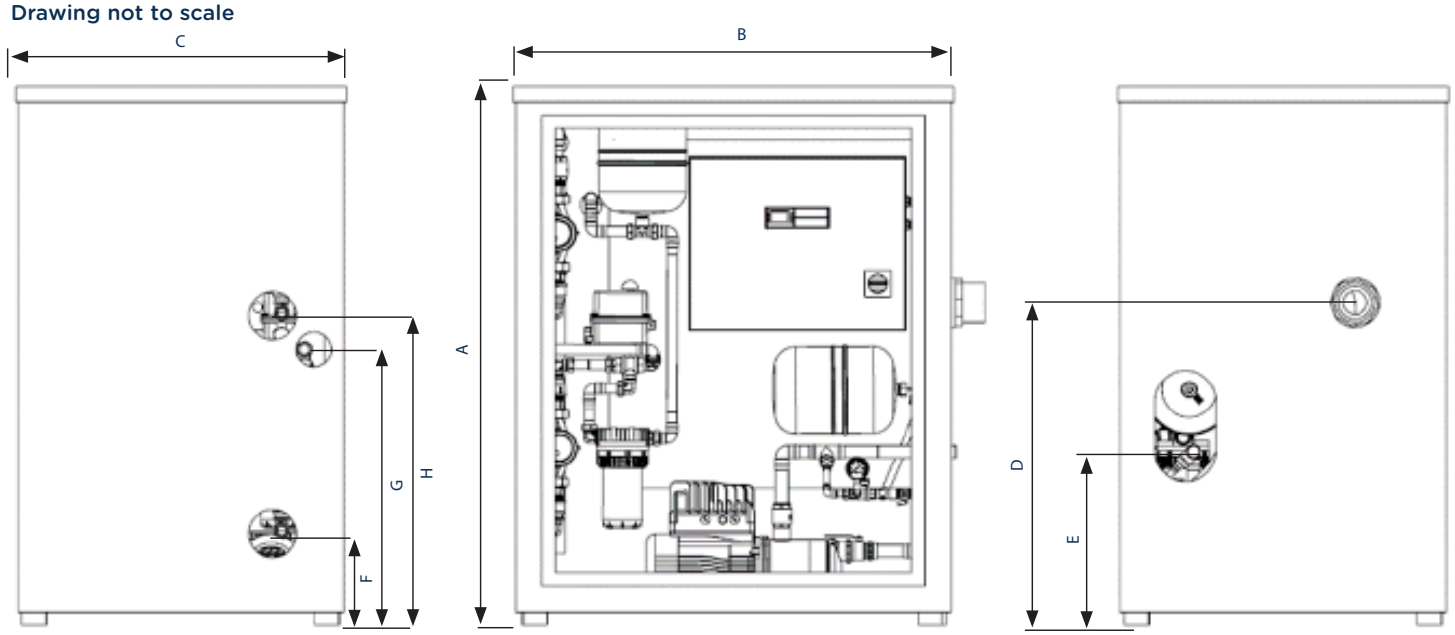
Technical Drawing

Drawing not to scale



LHS view | Front view | RHS view

Unit must be installed at least 100mm away from a solid surface to enable the type 'AB' airbreak to function correctly at the back of the unit.

Dry Weight	Wet Weight	Height (A)	Width (B)	Depth (C)	Floor to overflow (D)	Floor to outlet (E)	Floor to RW inlet (F)	Floor to filter drain (G)	Floor to MW inlet (H)
min 170kg	max 395kg	1240mm	1000mm	750mm	750mm	460mm	200mm	510mm	660mm

All measurements are approximate and may vary marginally

Installation / Location

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

- The unit should be located at floor level so that access can be gained without the use of ladders or scaffolding. It must also not be fixed to the wall.

- The unit requires adequate access for maintenance, with a minimum of 450mm above the unit, 1000mm in front, a minimum of 100mm behind and 450mm at the sides for the 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 connections will need to be made into a sealed trapped gully as water will be at pressure.

Connection Sizes

Component	Description
Rainwater inlet	28mm - Connects to pipe work from the submersible pump/s in the tank
Pressurised outlet	28mm - Connects to pipe work to points of use
Overflow	90mm Internal pipe - Connects to drain via a sealed trapped gully - 110mm External
Filter Drain	22mm - Connects to drain via a sealed trapped gully
Mains water inlet	35mm - Connects to mains water pipe via a Y strainer supplied by others (the inlet needs to match the flow requirements of site)

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