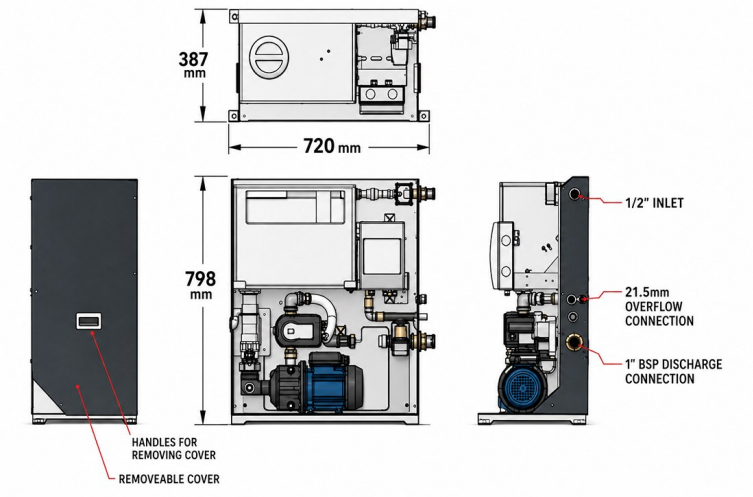
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CAT5 Break Tank & Booster Set for Safety Showers





Product Code: CAT5-SH

CAT5 Water Supply Unit for Emergency Safety Showers

AirBREAK High Flow CAT5 Break Tank System

The AirBREAK is a compact high-flow CAT5 break tank and booster system designed for emergency safety showers and combined safety shower with eyewash stations.

Providing compliant Fluid Category 5 backflow protection through an integrated Type AB air gap arrangement, the system helps protect the mains water supply in hazardous working environments where emergency decontamination equipment is installed.

Designed for commercial and industrial applications, the AirBREAK system combines high flow performance with reliable boosted water delivery for emergency shower systems.

Suitable for Safety Shower & Eyewash Installations

Combined safety shower and eyewash units require substantial and reliable water flow during emergency operation.

The AirBREAK has been developed for applications requiring:

CAT5 backflow protection
High emergency shower flow rates
Boosted water supply performance
Reliable emergency operation

Its integrated break tank and booster arrangement provides separation from the mains supply while supporting emergency shower operation.

ANSI Emergency Shower Flow Requirements

ANSI Z358.1 guidelines generally require emergency safety showers to deliver approximately 76 litres per minute for a continuous 15-minute period.

Combination safety shower and eyewash units must also maintain adequate simultaneous flow to both shower and eyewash outlets.

With maximum flow performance of up to 108 litres per minute, the AirBREAK FC1-05-005M is suitable for supplying many emergency shower and combined safety shower/eyewash systems while also providing compliant CAT5 backflow protection.

Final flow requirements should always be checked against the emergency equipment manufacturer’s specifications and site conditions.

Understanding CAT5 Protection

Fluid Category 5 represents the highest contamination risk category under UK water regulations.

Emergency wash equipment installed in chemical, laboratory or hazardous industrial environments may require CAT5 protection where contaminated water could potentially backflow into the mains water supply.

The AirBREAK uses a Type AB air gap break tank arrangement to help prevent contamination risks and maintain compliance with UK water regulations.

Key Features

CAT5 compliant break tank system
Type AB air gap backflow protection
High flow emergency shower supply
WRAS approved for non-wholesome use
Compact packaged booster set
Electronic pump controller
Adjustable start pressure
Dry run protection with auto-reset
Conductivity probe level monitoring
BMS fault connection capability
Wall mounted or floor standing installation options

Technical Specification

Maximum Flow Rate: 1.8 l/s
Maximum Pressure: 3.1 bar
Closed Valve Pressure: 3.4 bar
Tank Capacity: 36 litres
Motor Power: 0.55 kW
Electrical Supply: 230V / 1 Phase / 50Hz
IP Rating: IP44
Weight: 44 kg
Outlet Connection: 1” BSP

Typical Applications

Suitable for:

Emergency drench showers
Combination shower and eyewash units
Laboratory safety systems
Hazardous wash-down areas
Pharmaceutical environments
Industrial safety wash systems
Chemical handling facilities

Optional Accessories

Optional accessories include weatherproof kiosks, pressure reducing valves, drip trays and wall mounting brackets.

Delivery Information

To order usually 3 to 5 working days

**All pictures shown are for illustration purpose only and may be subject to change without notice. Actual product may vary due to product enhancement.
All dimensions shown are for guidance only and may be subject to change or alteration without notice. All items manufactured or purchased separately from a third party to fit our products should be checked against the actual dimensions of the physical product before purchase. We will not be liable for third party costs and consequential loss associated with the items not fitting third party components.**